



LEMOORE CITY COUNCIL  
COUNCIL CHAMBER  
429 C STREET  
September 18, 2018

**AGENDA**

***Please silence all electronic devices as a courtesy to those in attendance. Thank you.***

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**PUBLIC COMMENT**

This time is reserved for members of the audience to address the City Council on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Council. It is recommended that speakers limit their comments to 3 minutes each and it is requested that no comments be made during this period on items on the Agenda. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda. Prior to addressing the Council, any handouts for Council will be provided to the City Clerk for distribution to the Council and appropriate staff.

**5:30 pm STUDY SESSION**

SS-1 Champions Recovery (Speer)

**CLOSED SESSION**

This item has been set aside for the City Council to meet in a closed session to discuss matters pursuant to Government Code Section 54956.9(d)(4). The Mayor will provide an oral report regarding the Closed Session at the beginning of the next regular City Council meeting.

1. Conference with Legal Counsel – Anticipated Litigation  
Government code Section 54956.9  
Significant Exposure to Litigation Pursuant to Paragraph (2) of Subdivision (d) of Section 54956.9  
Two Cases
2. Conference with Legal Counsel – Anticipated Litigation  
Government Code Section 54956.9  
Initiation of Litigation Pursuant to Paragraph (4) of Subdivision (d) of Section 54956.9  
(Deciding Whether to Initiate Litigation)  
One Case

In the event that all the items on the closed session agenda have not been deliberated in the time provided, the City Council may continue the closed session at the end of the regularly scheduled Council Meeting.

## 7:30 pm REGULAR SESSION

- a. CALL TO ORDER
- b. PLEDGE OF ALLEGIANCE
- c. INVOCATION
- d. AGENDA APPROVAL, ADDITIONS, AND/OR DELETIONS

### PUBLIC COMMENT

This time is reserved for members of the audience to address the City Council on items of interest that are not on the Agenda and are within the subject matter jurisdiction of the Council. It is recommended that speakers limit their comments to 3 minutes each and it is requested that no comments be made during this period on items on the Agenda. The Council is prohibited by law from taking any action on matters discussed that are not on the Agenda. Prior to addressing the Council, any handouts for Council will be provided to the City Clerk for distribution to the Council and appropriate staff.

### CEREMONIAL / PRESENTATION – Section 1

No Ceremonial / Presentations

### DEPARTMENT AND CITY MANAGER REPORTS – Section 2

2-1 Department & City Manager Reports

#### CONSENT CALENDAR – Section 3

Items considered routine in nature are placed on the Consent Calendar. They will all be considered and voted upon in one vote as one item unless a Council member or member of the public requests individual consideration.

- 3-1 Approval – Minutes – Regular Meeting – September 4, 2018
- 3-2 Approval – Investment Report for the Month Ended July 31, 2018
- 3-3 Approval – Bid Award and Budget Adjustment – CIP 5222 – Water Tank at Well 7
- 3-4 Approval – Second Reading – Ordinance 2018-07 Amending Article A and B of Chapter 7 of the City of Lemoore Municipal Code Relating to Water Use and Service (Corder)
- 3-5 Approval – Bid Award – CIP 5203 – Test Hole Drilling and Construction of Production Well 15

#### PUBLIC HEARINGS – Section 4

Report, discussion and/or other Council action will be taken.

- 4-1 Adoption of Mitigated Negative Declaration and Mitigated Monitoring and Reporting Plan for the City of Lemoore/Leprino Foods Combined Effluent/Recycled Water Discharge for Stone Ranch (Brandt) \*\*Continued from 9/4 City Council meeting\*\*

#### NEW BUSINESS – Section 5

Report, discussion and/or other Council/Successor Agency action will be taken.

- 5-1 Report and Recommendation – Budget Amendment – Fire Prevention Inspector Position – Resolution 2018-44 (Speer)
- 5-2 Report and Recommendation – Budget Amendment – Information Technology Analyst Position – Resolution 2018-45 (Speer)

### CITY COUNCIL REPORTS AND REQUESTS – Section 6

6-1 City Council Reports / Requests

### ADJOURNMENT

**Upcoming Council Meetings**

- City Council Regular Meeting, Tuesday, October 2, 2018
- City Council Regular Meeting, Tuesday, October 16, 2018

Agendas for all City Council meetings are posted at least 72 hours prior to the meeting at the City Hall, 119 Fox St., Written communications from the public for the agenda must be received by the City Clerk's Office no less than seven (7) days prior to the meeting date. The City of Lemoore complies with the Americans with Disabilities Act (ADA of 1990). The Council Chamber is accessible to the physically disabled. Should you need special assistance, please call (559) 924-6705, at least 4 business days prior to the meeting.

**PUBLIC NOTIFICATION**

I, Mary J. Venegas, City Clerk for the City of Lemoore, declare under penalty of perjury that I posted the above City Council Amended Agenda for the meeting of September 18, 2018 at City Hall, 119 Fox Street, Lemoore, CA on September 13, 2018.

*//s//*

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Mary J. Venegas, City Clerk



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## Staff Report

**Item No: SS-1**

**To: Lemoore City Council**

**From: Michelle Speer**

**Date: September 11, 2018**

**Meeting Date: September 18, 2018**

**Subject: Champions Recovery**

**Strategic Initiative:**

- |  |   |
|--|---|
| <input type="checkbox"/> Safe & Vibrant Community            | <input checked="" type="checkbox"/> Growing & Dynamic Economy |
| <input type="checkbox"/> Fiscally Sound Government           | <input type="checkbox"/> Operational Excellence               |
| <input type="checkbox"/> Community & Neighborhood Livability | <input type="checkbox"/> Not Applicable                       |

**Proposed Motion:**

Information Only

**Subject/Discussion:**

Crystal Hernandez, Executive Director of Champions Recovery, will be presenting on the benefits of the Champions program.

Champions is a Kings County community based organization aimed at improving the lives of Kings County residents who are in need. Services include behavioral health, victim services, forensic services, family services, and youth services, all aimed at "putting into order, disordered lives."

They have several locations throughout Kings County operating for 18 years. They serve everyone in a compassionate and comprehensive manner, always seeking to help as many people as possible.

Their latest project is a work experience Bistro located in downtown Lemoore, Bistro 212. The bistro will serve soups, sandwiches, wraps, baked goods (utilizing an off-site bakery), fruit cups, gourmet salads, coffees, teas, juices, and much more. Their hope is to hire key staff within the next month, and to complete maintenance work on the property (paint, yard, signage, decor) to bring the beauty of the classic building back to life. They would

love to hire Lemoore residents into the key positions of Manager, lead server, and possibly an event coordinator with the remaining positions reserved for their clients.

The City of Lemoore looks forward to working with Champions to see their vision successful.

**Financial Consideration(s):**

Not Applicable.

**Alternatives or Pros/Cons:**

Not Applicable.

**Commission/Board Recommendation:**

Not Applicable.

**Staff Recommendation:**

Information Only.

**Attachments:**

- Resolution:
  - Ordinance:
  - Map
  - Contract
  - Other
- List:

**Review:**

- Asst. City Manager
- City Attorney
- City Clerk
- City Manger
- Finance

**Date:**

- 09/12/18
- 09/13/18
- 09/12/18
- 09/12/18

**September 4, 2018 Minutes  
Study Session  
City Council Meeting**

**CALL TO ORDER:**

*At 5:30 p.m., the meeting was called to order.*

**ROLL CALL:** Mayor: MADRIGAL  
Council Members: BLAIR, BROWN, CHEDESTER  
Absent: NEAL

City Staff and contract employees present: City Manager Olson; Assistant City Manager Speer; City Attorney Van Bindsbergen; Police Chief Smith; Parks and Recreation Director Glick; City Clerk Venegas; QK Planner Brandt.

**PUBLIC COMMENT**

*There was no Public Comment.*

**5:30 pm STUDY SESSION**

**SS-1 Kings Area Rural Transportation**

*Assistant City Manager Speer introduced Angie Dow, Kings Area Rural Transportation Executive Director who provided information regarding Kings Area Rural Transportation and a powerpoint presentation with the following:*

- *Microtransit*
  - *Lemoore Routes*
  - *Coverage Frequency*
  - *Microtransit vehicles and application*
  - *Replacing or modifying underperforming fixed-routes*
  - *Serving underserved and/or transit deserts*
- *Flex Route*
  - *Lemoore Routes 30 and 31*
  - *Average Daily Ridership*
  - *Flex Route Pilot*

*A citizen requested pickup in Lemoore and/or Hanford and Ms. Dow said it could be done via the Flex Route with a transfer to a regular route.*

**CLOSED SESSION PUBLIC COMMENT**

*There was no Closed Session Public Comment.*

*At 6:12 p.m., Council adjourned to Closed Session.*

CLOSED SESSION

1. Conference with Legal Counsel – Anticipated Litigation  
Government Code Section 54956.9  
Significant Exposure to Litigation Pursuant to Paragraph (2) of Subdivision (d) of Section 54956.9  
One Case
2. Conference with Real Property Negotiators  
Government Code Section 54956.8  
Property: Approximately 3.9 acres North of Kings Lions Complex, APN 023-290-030  
Agency Negotiator: Nathan Olson, City Manager  
Negotiating Parties: Octavio Hurtado  
Under Negotiation: Price and Terms
3. Conference with Real Property Negotiators  
Government Code Section 54956.8  
Property: Four parcels of approximately 2.3 acres located on the South East Corner of 19<sup>th</sup> Avenue and Cinnamon Drive, APN's 023-430-006, 023-430-007, 023-430-008 and 023-430-009  
Agency Negotiator: Nathan Olson, City Manager  
Negotiating Parties: Sarah Hill and the Trust of Naoaki and Gladys Sano  
Under Negotiation: Price and Terms

ADJOURNMENT

*At 6:47 p.m., Council adjourned.*

**September 4, 2018 Minutes  
Lemoore City Council  
Regular City Council Meeting**

CALL TO ORDER:

*At 7:30 p.m., the meeting was called to order.*

ROLL CALL: Mayor: MADRIGAL  
Council Members: BLAIR, BROWN, CHEDESTER  
Absent: NEAL

City Staff and contract employees present: City Manager Olson; Assistant City Manager Speer; City Attorney Van Bindsbergen; Public Works Director Rivera; Community Development Director Holwell; Police Chief Smith; Parks and Recreation Director Glick; Finance Director Corder; City Clerk Venegas; QK Engineer Joyner.

CLOSED SESSION REPORT OUT

*There was nothing to report out.*

## PUBLIC COMMENT

*Tom Reed read a prepared statement regarding the letter of a dreamer in order to not forget the privileges have today. Army Specialist 4<sup>th</sup> Class Danny Rhoads, son of Lemoore resident Speed Rhoads, was killed in action while saving members of his unit. For his actions that day he was awarded the Bronze Star with V for Valor.*

*Connie Wlaschin inquired about the \$7,500 that was paid to settle the Dowd lawsuit. The warrant register does not list attorney costs for the City Council. Ms. Wlaschin would also like to know the status of the Vorhees contract. City Manager Olson stated the Vorhees property agreement was for construction to begin by April 1, 2018. The road has not been completed and there are no incentives at this time.*

*Holly Blair wrote and presented personal thank you notes to each individual fire fighter.*

## CEREMONIAL / PRESENTATION – Section 1

*There were no Ceremonial/Presentation.*

## DEPARTMENT AND CITY MANAGER REPORTS – Section 2

### 2-1 Department & City Manager Reports

*Parks and Recreation Director Glick stated he is obtaining a quote to trim the palm trees at Heritage Park. He also provided a list of upcoming events.*

*Public Works Director Rivera stated the Master Plans for Sewer will be brought to Council in late October or early November.*

*City Manager Olson inquired if a Council Member would be interested in attending the ICSC conference in Anaheim October 8-10<sup>th</sup>. If interested, it would be about \$1,500 per person. Council Member Blair stated she would be interested. This item will be brought back at a later time.*

*City Manager Olson attended the grand opening of La Parilla. A surf shop will open soon in Lemoore and the World Surf League will be promoting.*

*Fire Chief German stated he was contacted by the World Surf League and he provided a tour of the vintage trucks.*

## CONSENT CALENDAR – Section 3

- 3-1 Approval – Minutes – Regular Meeting – August 21, 2018
- 3-2 Approval – Budget Amendment – Landscape and Lighting Maintenance District (LLMD) No. 1 Zone 3
- 3-3 Approval – Resolution 2018-43 in Support of the California Proposition 3 Water Supply and Water Quality Bond Act of 2018
- 3-4 Approval – Employment Agreement for Chief of Police

*Council Member Blair pulled Items 3-2 and 3-4 for separate consideration.*

*Motion by Council Member Brown, seconded by Council Member Chedester, to approve the Consent Calendar, excluding Items 3-2 and 3-4.*



Ayes: Brown, Chedester, Blair, Madrigal  
Absent: Neal

3-2 Approval – Budget Amendment – Landscape and Lighting Maintenance District (LLMD) No. 1 Zone 3

*Motion by Council Member Chedester, seconded by Council Member Blair, to approve Consent Calendar Item 3-2.*

Ayes: Chedester, Blair, Brown, Madrigal  
Absent: Neal

3-4 Approval – Employment Agreement for Chief of Police

*Motion by Council Member Brown, seconded by Council Member Chedester, to approve Consent Calendar Item 3-4.*

Ayes: Brown, Chedester, Madrigal  
Noes: Blair  
Absent: Neal

#### PUBLIC HEARINGS – Section 4

4-1 Adoption of Mitigated Negative Declaration and Mitigated Monitoring and Reporting Plan for the City of Lemoore/Leprino Foods Combined Effluent/Recycled Water Discharge for Stone Ranch (Brandt)

*Motion by Council Member Chedester, seconded by Council Member Blair, to table until next meeting.*

Ayes: Chedester, Blair, Brown, Madrigal  
Absent: Neal

4-2 First Reading – Ordinance 2018-07 Amending Article A of Chapter 7 of the City of Lemoore Municipal Code Relating to Water Use and Service

*Public Hearing opened at 8:00 p.m.*

*Spoke: Connie Wlaschin*

*Public Hearing closed at 8:02 p.m.*

*Motion by Council Member Chedester, seconded by Council Member Blair, to approve the introduction of Ordinance No. 2018-07 amending Article A of Chapter 7 to update the water ordinance to include more detailed wording for deposits, requiring of a guaranty by the owner of property for past due bills and add language to multiple sections; waive the reading of the Ordinance in its entirety and set the second hearing on the Ordinance for the City Council's next regular meeting.*

Ayes: Chedester, Blair, Brown, Madrigal  
Absent: Neal

NEW BUSINESS – Section 5

5-1 Report and Recommendation – Agreement with Carollo for Water Treatment Plan Project Preliminary Design

*Motion by Council Member Brown, seconded by Council Member Chedester, to approve, as modified, the agreement with Carollo Engineers, Inc., (Carollo) to provide Design Engineering Services for the preliminary design of three groundwater treatment plants in the City and authorize the City Manager to execute.*

Ayes: Brown, Chedester, Blair, Madrigal  
Absent: Neal

5-2 Report and Recommendation – Approval of the Recommended City Positions for the 2018 League of California Cities Annual Conference Resolutions

*Motion by Council Member Chedester, seconded by Council Member Blair, to authorize the City's voting delegate to approve resolution one and abstain on resolution two at the Annual League of California Cities conference to be held in Long Beach, CA from September 12-14, 2018.*

Ayes: Chedester, Blair, Brown, Madrigal  
Absent: Neal

CITY COUNCIL REPORTS AND REQUESTS – Section 6

6-1 City Council Reports / Requests

*Council Member Blair commented on the ability of the City Attorney to make large recommendations but not her own small decision at the previous City Council meeting in the other facility.*

*Mayor Madrigal attended the Grand Opening for LaParilla. Attended a Stratford event last Thursday with the City Manager as both wells went down. The City and several organizations provided water. This Friday is the Annual Salute to Ag. Will represent the City and present to the winners. Attended a KCAG meeting and discussed Prop 6 which will repeal the gas tax. The KCAG Board decided to remain neutral. The Surf Ranch Competition will be September 7-9<sup>th</sup> and encourage everyone to go out and support. Invited to Liberty Middle School to speak to a group about leadership and the theme is "Character in Leadership." Dr. Crystal Hernandez will be interviewed by the Hanford Sentinel and plans to tell of the great experience with City of Lemoore staff.*

ADJOURNMENT

*At 8:21 p.m., the meeting adjourned.*

*Approved the 18<sup>th</sup> day of September 2018.*

ATTEST:

APPROVED:

\_\_\_\_\_  
Mary J. Venegas, City Clerk

\_\_\_\_\_  
Ray Madrigal, Mayor



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## Staff Report

**Item No: 3-2**

**To: Lemoore City Council**

**From: Heather J. Corder, Finance Director**

**Date: August 21, 2018**

**Meeting Date: September 18, 2018**

**Subject: Investment Report for the Month Ended July 31, 2018**

**Strategic Initiative:**

- |   |  |
|---|--|
| <input type="checkbox"/> Safe & Vibrant Community             | <input type="checkbox"/> Growing & Dynamic Economy |
| <input checked="" type="checkbox"/> Fiscally Sound Government | <input type="checkbox"/> Operational Excellence    |
| <input type="checkbox"/> Community & Neighborhood Livability  | <input type="checkbox"/> Not Applicable            |

**Proposed Motion:**

Receive and file the investment report for month ended July 31, 2018.

**Subject/Discussion:**

California Government Code Section 53607 and the City of Lemoore's Investment Policy require the submission of a monthly investment report to the City Council. As of July 31, 2018, the City had \$46.05 million (current market value) in cash and investments and in the average weighted yield to maturity on the City's public fund investments was 0.98%. As required by government code, all investments are in conformity with the City's investment policy and sufficient cash flows are available to meet the next six months of estimated expenditures.

The attached Monthly Investment Report presents the investments held by the City of Lemoore as of July 31, 2018. The Investment Report consists of the following two summaries:

- Summary of Cash and Investments – Provides the total portfolio of the City
- Investments at Market Value by Maturity Date – Provides a list of investment by maturity date, an indication of the liquidity of the investments. The City's investment policy defines what the City can legally invest in under State Law

and City policy. These restrictions in investment types and the terms of allowable investments result in limited yields on City Investments.

As of July 31, 2018, the City had \$46,054,594 (current market value) in cash and investments. The investments included CD's (\$4.08 million), US Government Securities (\$4.93 million) and the State Investment Pool (16.51 million). The City's bank accounts held approximately \$20.43 million.

Thirty-six percent (36.02%) of the City's portfolio is with the State Investment Pool (Local Agency Investment Fund, LAIF) in which the State's Investment experts provide diversified investments in which local agencies can invest. By using the combined size of the participating cities and agencies, the State Pool can provide a better yield, liquidity and investment knowledge than otherwise would be available to a single entity.

**Financial Consideration(s):**

None.

**Alternatives or Pros/Cons:**

None.

**Commission/Board Recommendation:**

Not applicable.

**Staff Recommendation:**

Receive and file the Monthly Investment Report.

**Attachments:**

- Resolution:
- Ordinance:
- Map
- Contract
- Other

List: Monthly Investment Report

**Review:**

- Asst. City Manager
- City Attorney
- City Clerk
- City Manger
- Finance

**Date:**

- 09/11/18
- 09/12/18
- 09/13/18
- 08/12/18
- 07/30/18

**City of Lemoore**  
**Summary of Cash and Investments**  
**As of July 31, 2018**

Type	Description	Bank/Agent	Maturity Date	Interest Rate	Amount	Current Market Value
CD	Fixed Term CD	Bank of America	9/10/2018	0.03%	\$ 118,779	\$ 118,779
CD	Fixed Term CD	Bank of America	9/14/2018	0.03%	124,568	124,568
Ckg	Laguna Irrigation District	Bank of America	7/31/2018	0.20%	74,047	74,047
Pool	Local Agency Investment Fund	State Treasurer	7/31/2018	1.90%	16,374,335	16,374,335
Ckg	General Operating Account	Union Bank	7/31/2018	0.01%	10,537,582	10,537,582
Ckg	IOC Account	Union Bank	7/31/2018	0.01%	3,770	3,770
Ckg	General Operating Account	Wells Fargo	7/31/2018	0.00%	5,200,069	5,200,069
Ckg	LMGC	Wells Fargo	7/31/2018	0.03%	306,732	306,732
USGS	US Government Agency Securities	US Bank	10/2/2019	1.25%	5,014,000	4,939,828
CD	Municipal Tr & Svgs Bank	Wells Fargo	8/27/2018	1.30%	248,000	247,993
CD	Greenfield Savings Bank	Wells Fargo	10/19/2018	1.50%	248,000	247,947
CD	Sallie Mae Bank	Wells Fargo	11/20/2018	2.05%	200,000	200,000
CD	Third Federal S&L Association	Wells Fargo	11/26/2018	1.60%	248,000	247,930
CD	Mid-Missouri Bank	Wells Fargo	12/19/2018	1.50%	249,000	248,926
CD	Webster Bank	Wells Fargo	1/24/2019	1.90%	200,000	199,903
CD	Washington Trust Westerly	Wells Fargo	2/19/2019	1.70%	247,000	246,479
CD	GE Capital Bank	Wells Fargo	2/21/2019	1.65%	247,000	246,401
CD	Barclays Bank	Wells Fargo	4/15/2019	1.90%	247,000	246,711
CD	Discover Bank	Wells Fargo	6/18/2019	2.00%	247,000	246,346
CD	American Express	Wells Fargo	9/18/2019	2.10%	247,000	245,970
CD	Citi Bank	Wells Fargo	1/14/2020	2.10%	247,000	245,303
CD	American Expr Cent	Wells Fargo	6/17/2020	2.25%	247,000	242,825
CD	Capital One Bank USA	Wells Fargo	6/17/2020	2.15%	247,000	243,408
CD	Capital One	Wells Fargo	8/26/2020	2.35%	247,000	244,534
CD	Everbank	Wells Fargo	8/28/2020	2.05%	247,000	243,234
Pool	Local Agency Investment Fund RDA	State Treasurer	7/31/2018	1.90%	216,695	216,695
Ckg	Lemoore Redevelopment Agcy	Union Bank	7/31/2018	0.01%	4,103,402	4,103,402
Ckg	RDA IOC Account	Union Bank	7/31/2018	0.01%	210,878	210,878
					<b>\$ 46,147,858</b>	<b>\$ 46,054,594</b>

Average weighted Yield to Maturity: 0.98%

I certify that this report reflects all Government Agency pooled investments and is in conformity with the Investment Policy of the City of Lemoore. A copy of this Investment Policy is available at the Office of the Finance Director. The Investment Program herein shown provides sufficient cash flow liquidity to meet six months of estimated expenditures.

Signed:

  
 Heather J. Corder, Finance Director

**City of Lemoore**  
**Investments at Market Value by Maturity Date**  
**As of July 31, 2018**

Investments	1 Day to 180 Days	181 Days to 1 year	1 year to 2 years	2 years to 3 years	3 years to 4 years	4 years to 5 years	5+ years	Totals	Percent
CASH	20,436,480	-	-	-	-	-	-	20,436,480	44.37%
CD'S	1,636,045	985,937	977,506	487,768	-	-	-	4,087,255	8.87%
STATE POOL	16,591,030	-	-	-	-	-	-	16,591,030	36.02%
USGS	-	-	4,939,828	-	-	-	-	4,939,828	10.73%

Totals	38,663,555	985,937	5,917,334	487,768	-	-	-	46,054,594	100.00%
Percent	83.95%	2.14%	12.85%	1.06%	0.00%	0.00%	0.00%	100%	-



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## Staff Report

**Item No: 3-3**

**To: Lemoore City Council**  
**From: Frank Rivera, Public Works Director**  
**Date: September 5, 2018 Meeting Date: September 18, 2018**  
**Subject: Bid Award and Budget Amendment – CIP 5222 – Water Tank at Well 7**

**Strategic Initiative:**

<input type="checkbox"/> Safe & Vibrant Community	<input type="checkbox"/> Growing & Dynamic Economy
<input type="checkbox"/> Fiscally Sound Government	<input checked="" type="checkbox"/> Operational Excellence
<input type="checkbox"/> Community & Neighborhood Livability	<input type="checkbox"/> Not Applicable

**Proposed Motion:**

Approve a budget amendment of \$310,000 and award bid to Spiess Construction Company, Inc. in the amount of \$1,998,000 per bid specifications, plus an additional \$199,800 contingency funds, and authorize the City Manager to sign the contract.

**Subject/Discussion:**

Well 7 is located on the north side of Bush Street, north of West Hills College. It is in need of an additional water storage tank to sustain Leprino Foods plant and the surrounding areas water demands. The new tank will also allow staff to move water from one tank to the other to service the tanks more efficiently.

The engineer’s estimate for this project was \$2,098,992.50. Bids were opened on August 2, 2018, with the following bids received:

Bidder	Total Bid
Spiess Construction Company, Inc.	\$1,998,000.00
HPS Mechanical, Inc.	\$2,043,530.00
Dawson-Mauldin Construction, Inc.	\$2,071,049.00
Paso Robles Tank, Inc.	\$2,099,557.00

Staff is recommending the project be awarded to Spiess Construction Company, Inc. in the amount of \$1,998,000. The project will commence upon contract approval.

Resolution No. 2018-02 adopting the CEQA initial study and negative declaration for an additional water storage tank, Well 7 was approved by City Council on January 16, 2018.

**Financial Consideration(s):**

In 2015, CIP 5222 was budgeted for \$1,015,000. This budget was set with the plan to add a 1 million gallon tank. As designs were drawn, it was decided to upgrade the tank to 1.5 million gallons so that it would match the current tank at the well; this increased tank size raised the cost. Additional increased costs were incurred from soil testing that showed there were additional foundation requirements needed and new tariffs that have been put in place. The additional monies will come from the Water Reserves Fund.

**Alternatives or Pros/Cons:**

**Pros:**

- Provides additional water storage to meet demands of current and future commercial, industrial and residential customers.
- More efficient service of tanks.

**Cons:**

- Additional cost was not budgeted for CIP 5222

**Commission/Board Recommendation:**

Not applicable.

**Staff Recommendation:**

Staff recommends that City Council approve a budget amendment in the amount of \$1,182,800, award the bid for the Water Tank at Well 7 Project per bid specifications to Spiess Construction Company, Inc. in the amount of \$1,998,000 and authorize the City Manager to sign the contract. Staff also recommends that City Council approve an additional \$199,800 for contingency funds on the contract.

**Attachments:**

- Resolution:
- Ordinance:
- Map
- Contract
- Other
  - List: Agreement
  - Budget Amendment
  - Proposal Summary
  - Recommendation
  - Spiess Proposal

**Review:**

- Asst. City Manager
- City Attorney
- City Clerk
- City Manger
- Finance

**Date:**

- 09/11/18
- 09/12/18
- 09/13/18
- 09/12/18
- 09/12/18



# AGREEMENT

THIS AGREEMENT, entered into by and between Spiess Construction Co., Inc. hereinafter referred to as “Contractor”, and the City of Lemoore, hereinafter referred to as “the City;”

## WITNESSETH:

WHEREAS, the City Council of said City has awarded a contract in the amount of \$1,998,000.00.

for performing the work hereinafter mentioned in accordance with the sealed bid of said Contractor.

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

### **A. SCOPE OF WORK**

The Contractor shall perform all the work, and furnish all the labor, materials, equipment, and all utility and transportation services required to complete all of the work of construction and installation of the improvements at the time and in the manner provided in accordance with the Plans, Bid, Special Provisions, Contract Documents, and Specifications for the WATER TANK WELL 7 IMPROVEMENTS in the City of Lemoore and the County of Kings for the City of Lemoore, the items, quantities, and compensation for which are set forth in the Contractor’s bid therefore on file in the office of the City Manager of said City, and which by reference are made a part of this agreement.

### **B. COMPONENT PARTS**

This Contract shall consist of the following documents, each of which is on file in the office of the City Manager of said City, and all of which are incorporated herein and made a part hereof by reference:

1. This agreement
2. Notice Inviting Sealed Bids
3. Accepted Bid Proposal Form
4. Specifications
5. Performance Bond
6. Labor and Materials Bond
7. Certification of compliance with State Labor Code Section 3700
8. Plans, Profiles, Detailed Drawings, Specifications, Special Provisions, and any Modifications to aforesaid prior to execution of this agreement.

**C. TIME OF PERFORMANCE**

The Contractor shall begin work within ten (10) consecutive calendar days after execution of the contract by the City and receipt of the *Notice to Proceed* from the City. Time of completion for the work shall be one hundred eighty (180) working days from (a) the date of commencement of the work as established in the City's Notice to Proceed, or (b) if no other date is established in a Notice to Proceed from City, the date of Contractor's actual commencement of the Work (including mobilization).

Liquidated damages will accrue and may be assessed as provided in the Contract Documents. Should said work not be completed within the time limit as may be extended as herein provided, damages will be sustained by the City. It is understood and agreed that it is and will be impracticable or extremely difficult to determine the actual amount of damages which the City will sustain in the event of and by reason of such delay, and it is therefore agreed that the Contractor will pay the City the sum of One Thousand (\$1,000) per calendar day for each and every day's delay beyond the time specified as and for liquidated damages, during or as a result of each calendar day by which completion of the project is delayed beyond the completion date; in case the Contractor fails to make such payment, the City may deduct the amount thereof from any money due or that may become due the Contractor under the Contract. Should such money not be sufficient, the City shall have the right to recover the balance from the Contractor or its sureties. The work shall be completed within the times set forth in the Special Provisions. Time is of the essence, and forfeiture due to delay will be assessed the Contractor as provided for in the Supplementary Conditions.

**D. PAYMENTS**

Payments will be made by the City to the Contractor for said work performed at the times and in the manner provided in the Specifications and at the prices stated in the Contractor's bid.

**E. ASSIGNMENT**

Contractor offers and agrees that it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under section 4 of the Clayton Act (15 U.S.C., Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the Contract.

**F. CHANGES**

Changes in this agreement or in the work to be done under this agreement shall be made as provided in the General Conditions.

**G. TERMINATION**

The City and Contractor may terminate this agreement as provided in the General Conditions.

**H. PREVAILING WAGES**

The project is a public work, the work shall be performed as a public work and pursuant to the General Conditions.

**I. TAXES AND LICENSES**

The Contractor agrees to pay all taxes, licenses, and fees levied or assessed by any governmental agency on Contractor incident to the performance of work pursuant to this agreement, and unemployment compensation insurance, social security, or any other taxes upon the wages of Contractor, its employees, agents, and representatives. Contractor agrees to obtain and renew an annual business license from City throughout the term of the agreement and pay the applicable annual business license fee to City in accordance with Lemoore Municipal Code Section 3-1A-1-3.

**J. INDEMNIFICATION AND INSURANCE**

The Contractor will defend, indemnify and hold harmless the City, its governing board, officers, agents, trustees, employees and others as provided in the General Conditions.

By this statement the Contractor represents that it has secured the payment of Workers' Compensation in compliance with the provisions of the Labor Code of the State of California and during the performance of the work contemplated herein will continue so to comply with said provisions of said Code. The Contractor shall supply the City with certificates of insurance evidencing that Workers' Compensation Insurance is in effect and providing that the City will receive thirty (30) days' notice of cancellation.

Contractor shall provide the insurance set forth in the General Conditions.

**K. ATTORNEY'S FEES**

If either of the parties to this agreement brings any legal action or seeks arbitration regarding any provision of this agreement, the prevailing party in the litigation or arbitration shall be entitled to recover reasonable attorney's fees from the other party, in addition to any other relief that may be granted. This provision applies to the entire agreement.

**L. AMENDMENTS**

This agreement, and all corresponding attachments, constitutes the entire agreement between the parties relating to the Work, and supersedes any prior or contemporaneous agreement between the parties, oral or written, including the City's award of the agreement to Contractor, unless such agreement is expressly incorporated herein. The City makes no representations or warranties, express or implied, not specified in the Contract. The agreement is intended as the complete and exclusive statement of the parties' agreement pursuant to California Code of Civil Procedure section 1856. The terms of the agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever except by written agreement signed by the parties and approved or ratified by the Governing Board.

**M. WRITTEN NOTICE**

Written notice shall be deemed to have been duly served if delivered in person to the individual or member of the firm or to an officer of the corporation for whom it was intended, or if delivered at or sent by registered or certified or overnight mail to the last business address known to the person who gives the notice.

**N. BINDING EFFECT**

Contractor, by execution of this Agreement, acknowledges that Contractor has read this Agreement and the other Contract Documents, understands them, and agrees to be bound by their terms and conditions. The Contract shall inure to the benefit of and shall be binding upon the Contractor and the City and their respective successors and assigns.

This agreement is made and executed in duplicate and either copy shall, for all purposes, be deemed an original.

IN WITNESS WHEREOF, The City of Lemoore has caused these presents to be executed by its officers thereunto duly authorized, and the Contractor has subscribed same.

Dated: \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
*Contractor*

By: \_\_\_\_\_

*(Seal if Corporation)*

\_\_\_\_\_

**CITY OF LEMOORE**

Dated: \_\_\_\_\_, 20\_\_

By: \_\_\_\_\_  
*City Manager*

Attest: \_\_\_\_\_  
*City Clerk*

**CORPORATE CERTIFICATE**

I, \_\_\_\_\_, certify that I am the \_\_\_\_\_ Secretary of the Corporation named as CONTRACTOR in the forgoing agreement; that \_\_\_\_\_, who signed said agreement on behalf of CONTRACTOR was then \_\_\_\_\_ of said corporation, and that said agreement was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Secretary

**(CORPORATE SEAL)**

**PERFORMANCE BOND (100% OF CONTRACT PRICE)**

KNOWN ALL MEN BY THESE PRESENTS, that \_\_\_\_\_  
\_\_\_\_\_, as Principal, and \_\_\_\_\_,  
as Surety are hereby held and firmly bound unto the City of Lemoore as Owner in the penal sum of \_\_\_\_\_, for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

WHEREAS, the City Council of the City of Lemoore, at its regular meeting of \_\_\_\_\_ has awarded to Principal a contract for the **WATER TANK WELL 7 IMPROVEMENTS** in the City of Lemoore for the City of Lemoore, and,

WHEREAS, said Principal is required under the terms of said contract to provide a bond for the faithful performance of said contract.

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above-bonded Principal, his or its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and will truly keep and perform the covenants, conditions and agreements in said contract and any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time of the contract and during a one-year warranty period and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the Obligee, its officers, and agents, as therein stipulated, then this obligation shall become null and void; otherwise, it shall remain in full force and virtue.

And the said Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall in no way be impaired or affected by any extension of time within which the City may accept such bid; and said Surety does hereby waive notice of any such extension.

**PERFORMANCE BOND, PAGE TWO**

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by corporate officers, to three (3) identical counterparts, each of which shall for all purposes be deemed an original thereof, the day and year first set forth below.

Executed on \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
*Principal*

*(Seal if Corporation)*

By: \_\_\_\_\_

Title: \_\_\_\_\_

*(Attach Acknowledgement of Authorized Representative of Principal)*

Any claims under this bond may be addressed to:

\_\_\_\_\_  
\_\_\_\_\_  
(name and address of Surety)

\_\_\_\_\_  
\_\_\_\_\_  
(name and address of Surety's agent for services and process in California, if different from above)

\_\_\_\_\_  
(telephone number of Surety's agent in California, if different from above)

*(Attach Acknowledgement)*

\_\_\_\_\_  
*Surety*

\_\_\_\_\_  
*Attorney-in-Fact*

**NOTICE:** No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service and process in California. Certified copy of Power of Attorney must be attached.

**LABOR AND MATERIALS BOND**  
**(100% OF CONTRACT PRICE)**

KNOWN ALL MEN BY THESE PRESENTS, that \_\_\_\_\_  
\_\_\_\_\_,  
as Principal, and \_\_\_\_\_, as Surety  
are hereby held and firmly bound unto the City of Lemoore as Owner in the penal sum of \_\_\_\_\_, for the payment  
of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

WHEREAS, the City Council of the City of Lemoore, at its regular meeting of \_\_\_\_\_ has awarded to Principal a contract for the **WATER TANK WELL 7 IMPROVEMENTS** in the City of Lemoore for the City of Lemoore, and,

WHEREAS, said Principal is required under the terms of said contact to provide a bond for the faithful performance of said contract.

NOW THEREFORE, the condition of this obligation is such, that if the above-bonded Principal and all subcontractors to whom any portion of the work provided for in said contract is sublet, his or its heirs, executors, administrators, successors, or assigns, shall promptly make payment for all labor performed and services rendered and materials furnished in the performance of the work provided for in said contract, then the above obligation shall be null and void; otherwise to remain in full force and virtue. PROVIDED, however, that this bond is subject to the following conditions and limitations:

- a. All persons who have performed labor or rendered services or furnished materials as aforesaid shall have a direct right of action against the Principal and Surety on this bond, which right of action shall be asserted in proceedings instituted in the State in which labor was performed or services rendered or materials furnished (or where labor has been performed or services rendered or materials furnished in more than one state, then in any such state). Insofar as permitted by the laws of such state, such right of action shall be asserted in a proceeding instituted in the name of the Obligee to the use and benefit of the person instituting such action and of all other persons having claims hereunder, and any other person having a claim hereunder shall have the right to be made a part of such proceedings (but not later than six months and ninety days after the complete performance of said contract and final settlement thereof) and to have such claim adjudicated in said action and judgment rendered thereon.
- b. The Surety shall not be liable hereunder for any damages recoverable under any worker's compensation or employer's liability statute.
- c. In no event shall the Surety be liable for a greater sum than the penalty of this bond, or subject to any suit, action, or proceeding thereof, and the alteration or addition to the terms of the contract, or to the work to be performed there under or the Specifications accompanying the same shall not in any way affect its obligations of this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the contract, or the work or the Specifications.



**LABOR AND MATERIALS BOND, PAGE TWO**

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by corporate officers, to three (3) identical counterparts, each of which shall for all purposes be deemed an original thereof, the day and year first set forth below.

Executed on \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
*Principal*

*(Seal if Corporation)*

By: \_\_\_\_\_

Title: \_\_\_\_\_

*(Attach Acknowledgement of Authorized Representative of Principal)*

Any claims under this bond may be addressed to:

\_\_\_\_\_  
\_\_\_\_\_  
(name and address of Surety)

\_\_\_\_\_  
\_\_\_\_\_  
(name and address of Surety's agent for services and process in California, if different from above)

\_\_\_\_\_  
(telephone number of Surety's agent in California, if different from above)

*(Attach Acknowledgement)*

\_\_\_\_\_  
*Surety*

\_\_\_\_\_  
*Attorney-in-Fact*

**NOTICE:** No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service and process in California. Certified copy of Power of Attorney must be attached.

**CERTIFICATE OF INSURANCE  
TO  
CITY OF LEMOORE  
Lemoore, California**

Only this Certificate  
of Insurance Form  
will be Accepted

This certifies to the City that the following described policies have been issued to the insured named below and are in force at this time.

Insured \_\_\_\_\_

Address \_\_\_\_\_

Description of operations/locations/products insured (show contract name and/or number, if any) \_\_\_\_\_

POLICIES AND INSURERS	LIMITS	POLICY NUMBER	EXPIRATION DATE
°WORKERS COMPENSATION <hr/> (Insurer) Best's Rating _____	Employers Liability \$ _____		
°GENERAL LIABILITY Check Policy Type: <input type="checkbox"/> Comprehensive Or <input type="checkbox"/> Commercial Check Coverage Type: <input type="checkbox"/> "Claims-Made" -or- <input type="checkbox"/> "Occurrence" <hr/> (Insurer) Best's Rating _____	Comprehensive General Liability Each Occurrence \$ _____ Aggregate \$ _____ <hr/> Commercial General Liability Each Occurrence \$ _____ General Aggregate, either: per project/location \$ _____ -or- twice occurrence limit \$ _____		
°BUSINESS AUTO POLICY  Liability Coverage Symbol _____ <hr/> (Insurer) Best's Rating _____	Each Person \$ _____ Each Accident \$ _____ Each Accident, Property Damage \$ _____ -or- Combine Single Limit \$ _____		
°UMBRELLA LIABILITY Check Coverage Type: <input type="checkbox"/> "Claims-Made" -or- <input type="checkbox"/> "Occurrence" <hr/> (Insurer) Best's Rating _____	Occurrence/Aggregate \$ _____ Self-Insured Retention \$ _____		

NOTE: If commercial general liability insurance is used or if aggregate limits are endorsed to the comprehensive general liability policy form, the general aggregate must apply per location./project or the aggregate limit must be at least twice the occurrence limit.

<b>THE FOLLOWING ARE IN EFFECT:</b>	<b>Yes</b>	<b>NO</b>
The City, the Engineer, their officials, officers, employees, and volunteers are named on all liability policies described above as Insured as respect: (a) activities performed for the City by or on behalf of the named Insured, (b) products and completed operations of the Named Insured, and (c) any premises owned, leased, or used by the Named Insured.		
Products and Completed Operations		
The undersigned will mail to the City 30 days' written notice of cancellation or reduction of coverage of limits.		
Cross Liability Clause (or equivalent wording)		
Personal Injury, Perils A,B and C		
Broad Form Property Damage		
X, C, U Hazards Included		
Contractual Liability Coverage applying to this Contract		
Liquor Liability		
Coverage afforded the City, the Engineer, their officials, officers employees, and volunteers as Insured applies primary and not excess or contributing to any insurance issued in the name of the City.		
Waiver of Subrogation from Worker's Compensation insurer.		

This certificate is issued as a matter of information. This certificate is not an insurance policy and does not amend, extend, or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, condition, of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions, and conditions of such policies.

<i>Insurance Agency or Brokerage</i>	<i>Insurance Company</i>
<i>Address</i>	<i>Home Office</i>
<i>City                      State                      Zip</i>	<i>Authorized Signature                      Date</i>
<i>Name of Person to be contacted</i>	<p>Note: Authorized signature may be agent's if agent has placed insurance through an agency agreement with the insurer. If insurance is brokered, authorized signature must be that of official of insurer.</p>
<i>Telephone</i>	

**WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY  
SPECIAL ENDORSEMENT  
FOR CITY OF LEMOORE (the "Entity")**

**SUBMIT IN TRIPLICATE**

ENDORSEMENT NO.

ISSUE DATE (MMDDYY)

PRODUCER

Telephone

NAMED INSURED

**POLICY INFORMATION:**

Insurance Company:

Policy No.:

Policy Period: (from)

(to)

**OTHER PROVISIONS**

**CLAIMS:** Underwriter's representative for claims pursuant to this insurance.

Name:

Address:

Telephone:

( )

**EMPLOYER'S LIABILITY LIMITS**

\$ \_\_\_\_\_ (Each Accident)

\$ \_\_\_\_\_ (Disease - Policy Limit)

\$ \_\_\_\_\_ (Disease - Each Employee)

In consideration of the premium charges and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows:

1. **CANCELLATION NOTICE.** This insurance shall not be canceled, or materially reduced in coverage or limits except after thirty (30) days prior written notice by receipted delivery has been given to the Entity.
2. **WAIVER OF SUBROGATION.** The Insurance Company agrees to waive all rights of subrogation against the Entity, its officers, officials, employees and volunteers for losses paid under the terms of this policy which arise from the work performed by the Named Insured for the Entity.

Except as stated above nothing herein shall be held to waive, alter or extend any of the limits conditions, agreements or exclusions of the policy to which this endorsement is attached.

**ENDORSEMENT HOLDER**

ENTITY

**CITY OF LEMOORE  
711 W. CINNAMON DRIVE  
LEMOORE, CA 93245**

**Attention: City Manager**

AUTHORIZED  Broker/Agent  Underwriter

REPRESENTATIVE

I, \_\_\_\_\_ (print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereby do so bind this company to this endorsement.

*Signature*

\_\_\_\_\_  
(original signature required)

Telephone ( )

Date Signed

<b>GENERAL LIABILITY SPECIAL ENDORSEMENT</b>		<b>SUBMIT IN TRIPLICATE</b>	
<b>FOR <u>CITY OF LEMOORE</u> (the "Entity")</b>		ENDORSEMENT NO.	ISSUE DATE (MMDDYY)

PRODUCER	<b>POLICY INFORMATION:</b> Insurance Company: Policy No.: Policy Permit: (from) _____ (to) _____ <input type="checkbox"/> Deductible <input type="checkbox"/> Self-Insured Retention (check which) of \$ _____
----------	--

NAMED INSURED	<b>APPLICABILITY.</b> This insurance pertains to the operations and/or tenancy of the named insured under all written agreements and permits in force with the Entity unless checked here <input type="checkbox"/> in which case only the following specific agreements and permits with the Entity are covered: <b>ENTITY AGREEMENTS/PERMITS</b>
---------------	--

TYPE OF INSURANCE	
-------------------	--

LIMIT OF LIABILITY	OTHER PROVISIONS
--------------------	------------------

\$ _____ per accident, for bodily injury and property damage. <b>LOSS ADJUSTMENT EXPENSE</b> <input type="checkbox"/> INCLUDED IN LIMITS <input type="checkbox"/> IN ADDITION TO LIMITS	<b>CLAIMS:</b> Underwriter's representative for claims pursuant to this insurance. Name: _____ Address: _____ Telephone: ( _____ ) _____
---	---

In consideration of the premium charges and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows:

1. **INSURED.** The Entity, its elected or appointed officers, agents, volunteers and employees are included as insureds.
2. **CONTRIBUTION NOT REQUIRED.** As respects work performed by the Named Insured for or on behalf of the Entity; the insurance afforded by this policy (a) be primary insurance as respects the Entity, its elected or appointed officers, officials, employees or volunteers; or (b) stand in an unbroken chain of coverage excess of the Named Insurer's scheduled underlying primary coverage. Any other insurance maintained by the Entity, its elected or appointed officers, officials, employees or volunteers shall be in excess of this insurance and shall not contribute with it.
3. **CANCELLATION NOTICE.** With respect to the interests of the Entity, this insurance shall not be canceled, except after thirty (30) days prior written notice by receipted delivery has been given to the Entity.
4. **SCOPE OF COVERAGE.** This policy, if primary, affords coverage at least as broad as:
  - (1) Insurance Services Office Commercial General Liability Coverage, "occurrence" form CG 0001 (Ed. 11/88); or
  - (2) If excess, affords coverage which is at least as broad as the primary insurance form referenced in the preceding section (1).

Except as stated above nothing herein shall be held to waive, alter or extend any of the limits conditions, agreements or exclusions of the policy to which this endorsement is attached.

<b>ENDORSEMENT HOLDER</b>	
---------------------------	--

ENTITY  <b>CITY OF LEMOORE</b> <b>711 W. CINNAMON DRIVE</b> <b>LEMOORE, CA 93245</b>  <b>Attention: City Manager</b>	<b>AUTHORIZED</b> <input type="checkbox"/> Broker/Agent <input type="checkbox"/> Underwriter <input type="checkbox"/> _____ <b>REPRESENTATIVE</b>  I, _____ (print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereby do so bind this company to this endorsement.  <b>Signature</b> _____ (original signature required)  Telephone ( _____ ) _____ Date Signed _____
--	---

<b>AUTOMOBILE LIABILITY SPECIAL ENDORSEMENT</b>		<b>SUBMIT IN TRIPLICATE</b>	
<b>FOR <u>CITY OF LEMOORE</u> (the "Entity")</b>		ENDORSEMENT NO.	ISSUE DATE (MMDDYY)
PRODUCER	<b>POLICY INFORMATION:</b> Insurance Company: Policy No.: Policy Period: (from) _____ (to) _____  <input type="checkbox"/> Deductible <input type="checkbox"/> Self-Insured Retention (check which) of \$ _____		
NAMED INSURED	<b>APPLICABILITY</b> , This insurance pertains to the operations and/or tenancy of the named insured under all written agreements and permits in force with the Entity unless checked here <input type="checkbox"/> in which case only the following specific agreements and permits with the Entity are covered: <b>ENTITY AGREEMENTS/PERMITS</b>		
<b>TYPE OF INSURANCE</b>	<b>OTHER PROVISIONS</b>		
<input type="checkbox"/> Commercial Auto Policy <input type="checkbox"/> Business Auto Policy <input type="checkbox"/> Other _____			
<b>LIMIT OF LIABILITY</b>	<b>CLAIMS:</b> Underwriter's representative for claims pursuant to this insurance. Name: _____ Address: _____  Telephone: ( _____ ) _____		
\$ _____ per accident, for bodily injury and property damage. <b>LOSS ADJUSTMENT EXPENSE</b> <input type="checkbox"/> INCLUDED IN LIMITS <input type="checkbox"/> IN ADDITION TO LIMITS			
In consideration of the premium charges and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows: 1. <b>INSURED.</b> The Entity, its elected or appointed officers, agents, volunteers and employees are included as insureds with regard to damages and defense of suits arising from the ownership, operations, maintenance, use, loading or unloading of any auto owned, leased, hired, or borrowed by the Named Insured, for which the Named Insured is responsible. 2. <b>CONTRIBUTION NOT REQUIRED.</b> As respects work performed by the Named Insured for or on behalf of the Entity; the insurance afforded by this policy shall: a) be primary insurance as respects the Entity, its elected or appointed officers, officials, employees or volunteers; or (b) stand in an unbroken chain of coverage excess of the Named Insurer's scheduled underlying primary coverage. Any other insurance maintained by the Entity, its elected or appointed officers, officials, employees or volunteers shall be in excess of this insurance and shall not contribute with it. 3. <b>CANCELLATION NOTICE.</b> With respect to the interests of the Entity, this insurance shall not be canceled, except after thirty (30) days prior written notice by receipted delivery has been given to the Entity. 4. <b>SCOPE OF COVERAGE.</b> This policy, if primary, affords coverage at least as broad as: (1) Insurance Services Office form number CA 0001 (Ed. 6/92), Code 1 ("any auto"); or (2) If excess, affords coverage which is at least as broad as the primary insurance form referenced in the preceding section (1). Except as stated above nothing herein shall be held to waive, alter or extend any of the limits conditions, agreements or exclusions of the policy to which this endorsement is attached.			
<b>ENDORSEMENT HOLDER</b>			
ENTITY  <b>CITY OF LEMOORE</b> <b>711 W. CINNAMON DRIVE</b> <b>LEMOORE, CA 93245</b>  <b>Attention: City Manager</b>	<b>AUTHORIZED REPRESENTATIVE</b> <input type="checkbox"/> Broker/Agent <input type="checkbox"/> Underwriter <input type="checkbox"/> _____  I, _____ (print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereby do so bind this company to this endorsement.  <b>Signature</b> _____ <i>(original signature required)</i>  Telephone ( _____ ) _____ Date Signed _____		

## NOTICE OF AWARD

TO: Spiess Construction co., Inc.  
1110 E. Clark Ave., #210  
Santa Maria, CA 93455  
(805) 937-5859

PROJECT Description:

### WATER TANK WELL 7 IMPROVEMENTS

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for BIDS dated July 5, 2018 and July 12, 2018. You are hereby notified that your BID has been accepted for items in the amount of \$1,998,000.00.

You are required by the Information for BIDDERS to execute the Agreement and furnish the required CONTRACTOR's Performance BOND, Payment BOND and certificates of insurance within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS within (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 18 day of September 2018.

Owner City of Lemoore

By \_\_\_\_\_ Title City Engineer  
Joel R. Joyner, P.E., PLS

### ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

\_\_\_\_\_  
(Contractor

this, the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

By \_\_\_\_\_ Title \_\_\_\_\_

**NOTICE TO PROCEED**

TO: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PROJECT Description:

**WATER TANK WELL 7 IMPROVEMENTS**

You are hereby notified to commence WORK in accordance with the Agreement dated \_\_\_\_\_, on or before \_\_\_\_\_ and you are to complete the WORK within 180 consecutive working days thereafter. The date of completion of all WORK is therefore \_\_\_\_\_.

CITY OF LEMOORE  
Owner

By \_\_\_\_\_  
Joel R. Joyner, P.E., PLS

Title City Engineer

**WATER TANK WELL 7 IMPROVEMENTS**

**ACCEPTANCE OF NOTICE**

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by

\_\_\_\_\_  
(Contractor)

this, the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

By \_\_\_\_\_  
(Signature)

Title \_\_\_\_\_  
(Please Type)

Employer Tax Identification Number:

\_\_\_\_\_

Telephone Number ( ) \_\_\_\_\_

Fax Number ( ) \_\_\_\_\_





## CITY OF LEMOORE BUDGET AMENDMENT FORM

Date:	9/18/2018	Request By:	Frank Rivera
Requesting Department:	Water		

**TYPE OF BUDGET AMENDMENT REQUEST:**

- Appropriation Transfer within Budget Unit
- All other appropriations (Attach Council approved Staff Report)

**FROM:**

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
050		1010	\$ 2,898,407.35	\$ (1,182,800.00)	\$ 1,715,607.35

**TO:**

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
160	5222	4310	\$ -	\$ 210,000.00	\$ 210,000.00
160	5222	4317	\$ 1,015,000.00	\$ 972,800.00	\$ 1,987,800.00

**JUSTIFICATION FOR CHANGE/FUNDING SOURCE:**

New Water Tank at Well 7. Size increased from 1 million gallon to 1.5 million gallon. Soil testing showed addition foundation requirements. New tariffs were put in place.

**APPROVALS:**

Department Head:	Date:
City Manager:	Date:
Completed By:	Date:

**City of Lemoore  
Water Tank Well 7 Improvements**

NAME & ADDRESS OF BIDDER				Spiess Const., Co., Inc. 1110 E. Clark Ave. #210 Santa Maria, CA 93455		HPS Mechanical Inc. 3100 E. Belle Terrace Bakersfield, CA 93307		Dawson-Mauldin Const., Inc. PO Box 8397 Huntington Beach, CA 92315		Paso Robles Tank, Inc. PO Box 2810 Hemet, CA 92546		Engineer's Estimate	
Item	Approx Qty	Unit	Description	Unit Price	Total \$	Unit Price	Total \$	Unit Price	Total \$	Unit Price	Total \$	Unit Price	Total \$
1.	1	LS	*Mobilization/Demobilization	\$95,000.00	\$ 95,000.00	\$70,000.00	\$ 70,000.00	\$50,000.00	\$ 50,000.00	\$71,000.00	\$ 71,000.00	\$90,000.00	\$ 90,000.00
2.	1	LS	Site Clearing and Grubbing	\$24,400.00	\$ 24,400.00	\$7,500.00	\$ 7,500.00	\$15,000.00	\$ 15,000.00	\$16,500.00	\$ 16,500.00	\$15,000.00	\$ 15,000.00
3.	1	LS	Demolition and Disposal	\$11,800.00	\$ 11,800.00	\$75,150.00	\$ 75,150.00	\$5,000.00	\$ 5,000.00	\$46,750.00	\$ 46,750.00	\$20,000.00	\$ 20,000.00
4.	325	CY	Site Grading	\$93.00	\$ 30,225.00	\$72.00	\$ 23,400.00	\$70.00	\$ 22,750.00	\$138.00	\$ 44,850.00	\$30.00	\$ 9,750.00
5.	304	CY	Class II Aggregate Base	\$150.00	\$ 45,600.00	\$155.00	\$ 47,120.00	\$160.00	\$ 48,640.00	\$80.00	\$ 24,320.00	\$75.00	\$ 22,800.00
6.	169	TON	Asphalt Concrete	\$205.00	\$ 34,645.00	\$190.00	\$ 32,110.00	\$184.00	\$ 31,096.00	\$4.00	\$ 676.00	\$150.00	\$ 25,350.00
7.	363	LF	Concrete Valley Gutter	\$100.00	\$ 36,300.00	\$100.00	\$ 36,300.00	\$76.00	\$ 27,588.00	\$39.00	\$ 14,157.00	\$50.00	\$ 18,150.00
8.	1	LS	Welded Steel Water Storage Tank	\$1,388,710.00	\$ 1,388,710.00	\$1,565,340.00	\$ 1,565,340.00	\$1,430,000.00	\$ 1,430,000.00	\$1,224,450.00	\$ 1,224,450.00	\$1,525,000.00	\$ 1,525,000.00
9.	1	LS	12" Yard Piping	\$105,700.00	\$ 105,700.00	\$56,000.00	\$ 56,000.00	\$145,000.00	\$ 145,000.00	\$184,800.00	\$ 184,800.00	\$39,000.00	\$ 39,000.00
10.	1	LS	16" Yard Piping	\$181,400.00	\$ 181,400.00	\$91,000.00	\$ 91,000.00	\$203,000.00	\$ 203,000.00	\$297,000.00	\$ 297,000.00	\$102,500.00	\$ 102,500.00
11.	67	LF	12" SDR35 PVC Storm Drain Piping	\$80.00	\$ 5,360.00	\$70.00	\$ 4,690.00	\$85.00	\$ 5,695.00	\$1,980.00	\$ 132,660.00	\$75.00	\$ 5,025.00
12.	1	EA	Christy U43 Drain Box (or Approved Equal)	\$7,500.00	\$ 7,500.00	\$5,600.00	\$ 5,600.00	\$5,200.00	\$ 5,200.00	\$2,750.00	\$ 2,750.00	\$4,000.00	\$ 4,000.00
13.	2	EA	Tie in to Existing Water Lines	\$7,400.00	\$ 14,800.00	\$5,000.00	\$ 10,000.00	\$30,000.00	\$ 60,000.00	\$13,750.00	\$ 27,500.00	\$2,000.00	\$ 4,000.00
14.	552	LF	Install 6' Chain Link Fence	\$30.00	\$ 16,560.00	\$35.00	\$ 19,320.00	\$40.00	\$ 22,080.00	\$22.00	\$ 12,144.00	\$50.00	\$ 27,600.00
	1	10%	Contingencies										\$ 190,817.50
<b>TOTAL BID</b>					<b>\$ 1,998,000.00</b>		<b>\$ 2,043,530.00</b>		<b>\$ 2,071,049.00</b>		<b>\$ 2,099,557.00</b>		<b>\$ 2,098,992.50</b>



September 5, 2018

Frank Rivera  
Public Works Director  
City of Lemoore  
711 W. Cinnamon Drive  
Lemoore, CA 93245

Re: Water Tank Well 7 Improvements

Dear Mr. Rivera:

Bids for the City's Water Tank Well 7 Improvements Project were opened on August 2, 2018. The lowest bid received was from Spiess Construction Company, Inc., in the amount of \$1,998,000.00.

The bids received are listed below:

Spiess Construction Company, Inc.	\$1,998,000.00
HPS Mechanical, Inc.	\$2,043,530.00
Dawson-Mauldin Construction, Inc.	\$2,071,049.00
Paso Robles Tank, Inc.	\$2,099,557.00
Engineer's Estimate	\$2,098,992.50

Spiess Construction Company, Inc. submitted a bid that was complete and in order, making them the lowest responsive bidder. Their license is current, DIR registration is current, and a City of Lemoore Business License is pending upon their Notice of Award.

Pending sufficient funds, it is recommended that the City Council award the contract to the lowest responsive bidder, Spiess Construction Company, Inc., for the Base Bid amount of \$1,998,000.00.

Sincerely,

Joel R. Joyner, P.E., PLS  
City Engineer

Enclosures: Bid Proposal Summary

**BID PROPOSAL TO THE  
CITY COUNCIL  
CITY OF LEMOORE  
KINGS COUNTY, CALIFORNIA  
FOR  
WATER TANK WELL 7 IMPROVEMENTS**

BID OF SPIESS CONSTRUCTION Co., INC. (hereinafter called "Bidder")  
organized and existing under the laws of the State of CALIFORNIA, doing business as  
A CORPORATION.\*

\* Insert "a corporation," "a partnership," or "an individual" as applicable.

TO: The City Council, City of Lemoore  
(Hereinafter called "City")

The undersigned, as bidder, declares that he has carefully examined the location of the proposed work, that he has thoroughly examined all the Contract Documents and Plans, and that this bid is made without collusion with any other person, firm, or corporation, and that all laws and ordinances relating to the interest of public officers in the contract have been complied with in every respect; AND he proposes and agrees, if this bid is accepted, that he will contract with the City in the form of contract contained herein to provide all necessary machinery, tools, equipment, and other means of construction, and to furnish all materials and provide superintendence, overhead expenses, and all labor and expenses of whatever nature to construct the work in accordance with the Plans and the detailed Specifications and other contract provisions contained herein or reasonably implied thereby, or as necessary to complete the work in the manner and within the time named herein and according to the requirements and to the reasonable satisfaction of the Engineer, and to indemnify the City against any loss or damage arising from any act of the undersigned as Contractor and that he will take as full payment therefore the sum stated below.

Bidder hereby agrees to commence work under this contract on or before the date specified in the written *Notice to Proceed* from the City, and to fully complete the project within the time allotted in the Special Provisions. Bidder further agrees to forfeit and pay the City for each calendar day of delay in the completion of the project as provided for in the Special Provisions.

The undersigned understands that the quantities given are approximate only, being given as a basis for the comparison of bids, and the City of Lemoore does not, expressly or by implication, warrant that the given quantities of work will be performed but reserves the right to increase or decrease the amounts of any portion of the work, or to omit portions of the work as may deemed necessary or advisable by the Engineer, without claim for damage or loss of anticipated profit. The undersigned understands that payment will be made only on the basis of the actual quantities or work performed.

This Bid Proposal Form consists of the following:

- a. Bid Form showing unit prices and the amount bid for each item of work.
- b. Bidder's List of Subcontractors.

- c. Major Materials Suppliers Information.
- d. Equal Employment Opportunity Certificate.
- e. Public Contract Code Section 10285.1 Statement.
- f. Public Contract Code Section 10162 Statement.
- g. Public Contract Code Section 10232 Statement.
- h. Noncollusion Affidavit.
- i. Drug-free Workplace Certification.
- j. Information required of bidders.
- k. Completed Statement of Licensure.
- l. Certification of compliance of State Labor Code 3700.
- m. Bid security in the amount of ten percent (10%) of the total amount bid in accordance with the stated requirements contained in the General Conditions.
- n. Bid Certification Page.

Bidder's failure to properly complete the entire Bid Proposal Form may result in the bid being considered nonresponsive.

## B I D FORM

### TO THE CITY OF LEMOORE:

The undersigned declares that he has carefully examined the location of the proposed work, that he has carefully examined the Plans and Specifications and hereby proposes to furnish all materials and do all the work required to complete the said work in accordance with said Plans and Specifications, for the prices as listed below:

### WATER TANK WELL 7 IMPROVEMENTS

#### BASE BID

ITEM	QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	PRICE	TOTAL
1.	L.S.	L.S.	*Mobilization / Demobilization including bonds, permits, licenses, and fees required to perform the work, complete and in place @ <u>NINETY FIVE THOUSAND</u> ____ Dollars Per Lump Sum Amount.	<u>95,000.00</u> /L.S.	<u>95,000.00</u>
2.	L.S.	L.S.	Site Clearing and Grubbing, complete and in place @ <u>TWENTY FOUR THOUSAND FOUR HUNDRED</u> ____ Dollars Per Lump Sum Amount	<u>24,400.00</u> /L.S.	<u>24,400.00</u>
3.	L.S.	L.S.	Demolition and Disposal, complete and in place @ <u>ELEVEN THOUSAND EIGHT HUNDRED</u> ____ Dollars Per Lump Sum.	<u>11,800.00</u> /L.S.	<u>11,800.00</u>
4.	325	C.Y.	Site Grading, complete and in place @ <u>NINETY THREE</u> ____ Dollars Per Cubic Yard.	<u>93.00</u> /C.Y.	<u>30,225.00</u>
5.	304	C.Y.	Class II Aggregate Base, complete and in place @ <u>ONE HUNDRED FIFTY</u> ____ Dollars Per Cubic Yard.	<u>150.00</u> /C.Y.	<u>45,600.00</u>
6.	169	TON	Asphalt Concrete, complete and in place @ <u>TWO HUNDRED FIVE</u> ____ Dollars Per TON	<u>205.00</u> /TON	<u>34,645.00</u>
7.	363	L.F.	Concrete Valley Gutter, complete and in place @ <u>ONE HUNDRED</u> ____ Dollars Per Lineal Foot.	<u>100.00</u> /L.F.	<u>36,300.00</u>

ITEM	QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	PRICE	TOTAL
8.	L.S.	L.S.	Welded Steel Water Storage Tank with appurtenances, including but not limited to foundation, vents, ladder, hatch, fill line piping, overflow piping with concrete splash pad, water level controls for the water storage tank to be functional, complete and in place @ <u>ONE MILLION THREE HUNDRED EIGHTY EIGHT THOUSAND SEVEN HUNDRED TEN</u> Dollars Per Lump Sum Amount.	<u>1,388,710.00</u> /L.S.	<u>1,388,710.00</u>
9.	L.S.	L.S.	12-inch Yard Piping, including but not limited to fittings, valves, flange adapters, flexible expansion joint and 10-inch gate valve, as shown on the Plans, complete and in place @ <u>ONE HUNDRED FIVE THOUSAND SEVEN HUNDRED</u> Dollars Per Lump Sum Amount.	<u>105,700.00</u> /L.S.	<u>105,700.00</u>
10.	L.S.	L.S.	16-inch Yard Piping, including but not limited to fittings, valves, flange adapters, flexible expansion joint, as shown on the Plans, complete and in place @ <u>ONE HUNDRED EIGHTY ONE THOUSAND FOUR HUNDRED</u> Dollars Per Lump Sum Amount.	<u>181,400.00</u> /L.S.	<u>181,400.00</u>
11.	67	L.F.	12-inch SDR35 PVC Storm Drain Piping, complete and in place @ <u>EIGHTY</u> Dollars Per Lineal Foot.	<u>80.00</u> /L.F.	<u>5,360.00</u>
12.	1	EA.	Christy U43 Drain Box (or approved equal), complete and in place @ <u>SEVEN THOUSAND FIVE HUNDRED</u> Dollars Per Each.	<u>7,500.00</u> /EA.	<u>7,500.00</u>
13.	2	EA.	Tie in to existing, complete and in place @ <u>SEVEN THOUSAND FOUR HUNDRED</u> Dollars Per Each.	<u>7,400.00</u> /EA.	<u>14,800.00</u>
14.	552	L.F.	Install 6' Chain Link Fence complete and in place @ <u>THIRTY</u> Dollars Per Lineal Foot.	<u>30.00</u> /L.F.	<u>16,560.00</u>
Total Amount of Base Bid:				\$ <u>1,998,000.00</u>	

Total Amount of Base Bid is ONE MILLION NINE HUNDRED NINETY EIGHT THOUSAND Dollars and No Cents.

In the event of discrepancy between words and figures, the words shall prevail. In case of discrepancy between unit prices and totals, the unit price shall prevail.

\* **Bid Item No. 1 Mobilization shall not exceed 5% of total Base Bid.**

If written notice of the Award of Contract is mailed, faxed, or delivered to the undersigned at any time before this bid is withdrawn, the undersigned shall, within ten (10) days after the date of such mailing, faxing, or delivering of such notice, execute and deliver an agreement in the form of agreement present in these Contract Documents and give Performance and Payment Bonds in accordance with the specifications and bid as accepted.

The undersigned hereby designates as the office to which such Notice of Award of Contract may be mailed, faxed, or delivered:

1110 E. CLARK AVE., # 210  
SANTA MARIA, CA 93455 FAX 805-934-4432

Bidder's Public Liability and Property Damage Insurance is placed with:

OLD REPUBLIC GENERAL INSURANCE CORP.

Bidder's Workers' Compensation Insurance is placed with:

OLD REPUBLIC GENERAL INSURANCE CORP.

A bidder shall not submit a bid unless the bidder's California contractor's license number appears clearly on the bid, the license expiration date and class are stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid submitted by a contractor who is not licensed pursuant to Business and Professions Code section 7028.15 shall be considered nonresponsive and shall be rejected.

**NOTE:** Each bid must give the full business address of the bidder and be signed by bidder with bidder's usual signature. Bids by partnerships must furnish the full name of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and designation of the chairman of the board, president or any vice president, and then followed by a second signature by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.

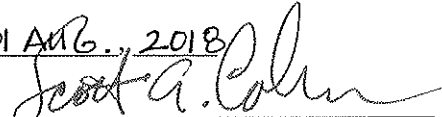
The undersigned declares under penalty of perjury under the laws of the State of California that the representations made in this bid are true and correct.

Print or Type Name : SCOTT A. COLEMAN  
Title: PRESIDENT  
Name of Company as Licensed: SPIESS CONSTRUCTION CO. INC.  
Business Address: P.O. BOX 2849  
SANTA MARIA, CA 93457  
Telephone Number: 805-937-5859  
California Contractor License No.: 333989



Class and Expiration Date: A, B, C33, C27 EXP. 5-31-20  
State of Incorporation, if Applicable: CALIFORNIA

Evidence of authority to bind corporation is attached.

Dated: 01 AUG., 2018  
Signed:   
SCOTT A. COLEMAN, PRESIDENT

RESOLUTION OF BOARD OF DIRECTORS OF  
SPIESS CONSTRUCTION CO., INC.

RESOLVED, That any of the following persons, Scott A. Coleman, President/CFO; Jeff L. Davidson, Secretary; Barry Matchett, Vice-President/Asst. Secretary; Frank Forthun, Assistant Vice-President; acting together or individually, are hereby authorized to bid on any private or public works construction project on behalf of said Corporation; are authorized and instructed to execute such Bid Proposal Forms, Contracts, Change Orders; and other documents as may be necessary and on behalf of said Corporation.

I, Jeff L. Davidson, do hereby certify that I am the duly elected and qualified Secretary and the Keeper of the records and corporate seal of Spiess Construction Co., Inc. a corporation organized and existing under the laws of the State of California, and that the above is true and correct copy of the resolution duly adopted at a meeting of the Board of Directors thereof, convened and held in accordance with law and Bylaws of said Corporation on the 3<sup>rd</sup> day of March 2015, and such the resolution is now in full force and effect.

IN WITNESS THEREOF, I have affixed my name as Secretary and have caused the corporate seal of said Corporation to be hereunto affixed the 3<sup>rd</sup> day of March 2015.

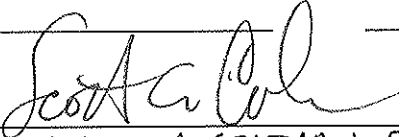


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Jeff L. Davidson, Secretary

## BIDDER'S LIST OF SUBCONTRACTORS

Pursuant to the provisions of Section 4100 to 4113 inclusive, of the Government Code of the State of California, every bidder shall set forth the name and location of the place of business of each subcontractor who will perform work or labor in or about the construction of the work or improvement in an amount in excess of one-half (1/2) of one percent (1%) of the Bidder's total bid. If the Bidder fails to specify a subcontractor for any portion of the work in excess of one half (1/2) of one percent (1%) of the Bidder's total bid, he agrees to perform that portion himself. The following is the required list of subcontractors:

<u>Type of Work</u>	<u>Name, Address and Phone Number of Subcontractors</u>	<u>Contractor's License No. / DIR Registration</u>
<u>TANK FOUNDATION &amp; MISC. CONCRETE</u>	<u>RICHARD GORHAM CONSTRUCTION PASO ROBLES, CA (805) 452-1036</u>	<u>LIC. # 49436 (B) 1000008696</u>
<u>SURFACE PREPARATION &amp; COATING APPLICATION</u>	<u>SIMPSON SANDBLASTING &amp; SPECIAL COATINGS FONTANA, CA (951) 829-0000</u>	<u>LIC. # 878060 (C-33) 1000006079</u>
<u>INSTRUMENTATION</u>	<u>TELSTAR INSTRUMENTS SACRAMENTO, CA (916) 646-1999</u>	<u>LIC. # 422364 1000008999</u>
<u>PAVING</u>	<u>BLACK GOLD ASPHALT MAMMOTH LAKES, CA (760) 934-8616</u>	<u>LIC. # 626721 (C-12) 1000009374</u>
<u>FENCE</u>	<u>TRIPLE CROWN FENCE DELANO, CA (661) 778-0558</u>	<u>LIC. # 1027596 1000051018</u>
<u>01 AUGUST 2018</u> Date	 (Contractor's Signature) SCOTT A. COLEMAN, PRESIDENT	

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Note: The Bidder's List of Subcontractors is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this form.

## MAJOR MATERIAL SUPPLIERS INFORMATION

The bidder shall indicate opposite each item of material listed below the name of the manufacturer or supplier of the material proposed to be furnished under the bid. Failure to comply with this requirement may render the bid informal and may cause its rejection.

Equipment/Material	Manufacturer or Supplier
1. Asphalt Concrete	<u>GRANITE ROCK</u>
2. Class 2 Aggregate Base	<u>GRANITE ROCK</u>
3. Welded Steel Water Tank	<u>SPIESS / EVRAZ STEEL</u>
4. Concrete	<u>CEMEX</u>
5. Ductile Iron Pipe	<u>MCWAYNE / PACIFIC STATES</u>
6. PVC Pipe	<u>DIAMOND PLASTICS</u>
7. Valves	<u>AFC / EBBA</u>
8. Fittings	<u>SIGMA</u>
9. Fencing	<u>MERCHANTS METAL / TRIPLE CROWN FENCE</u>

Awarding a contract under this bid will not imply approval by the City of manufacturers or suppliers listed by the bidder. No substitution will be permitted after award of contract unless equipment or material of the listed manufacturer or supplier cannot meet the specifications.

Note: The Major Material Suppliers Information is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this form.

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS BID  
SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF  
THOSE CERTIFICATIONS WHICH ARE A PART OF THIS BID)

## EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder SPIESS CONSTRUCTION CO., INC., proposed subcontractor \_\_\_\_\_, hereby certifies that he has , has not , participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

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## PUBLIC CONTRACT CODE

### Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has \_\_\_\_\_, has not  been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a checkmark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.

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### Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes \_\_\_\_\_ No

If the answer is yes, explain the circumstances in the following space.

Note: The above Statement is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.

### **Public Contract Code 10232 Statement**

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.  
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

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**NONCOLLUSION AFFIDAVIT**  
(Title 23 United States Code Section 112 and  
Public Contract Code Section 7106)

To the CITY of LEMOORE

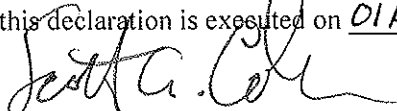
In conformance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares as follows:

I am the PRESIDENT of SPIESS CONSTRUCTION CO., INC., the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 01 AUG 2018, at SANTA MARIA, CA.

Signature: 

Name (Print) SCOTT A. COLEMAN

Title: PRESIDENT



## DRUG-FREE WORKPLACE CERTIFICATION

This Drug-Free Workplace Certification is required pursuant to Government Code Sections 8350 *et seq.*, the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or services from any State agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract awarded by a State agency may be subject to suspension of payments or termination of the contract, or both, and the contractor may be subject to debarment from future contracting if the state agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract or grant from a State agency shall certify that it will provide a drug-free workplace by doing all of the following:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the person's or organization's workplace and specifying actions which will be taken against employees for violations of the prohibition;

(b) Establishing a drug-free awareness program to inform employees about all of the following:

- (1) The dangers of drug abuse in the workplace;
- (2) The person's or organization's policy of maintaining a drug-free workplace;
- (3) The availability of drug counseling, rehabilitation and employee-assistance programs;
- (4) The penalties that may be imposed upon employees for drug abuse Violations;


(c) Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code Section 8355 listed above and will publish a statement notifying employees concerning (a) the prohibition of controlled substance at the workplace, (b) establishing a drug-free awareness program, and (c) requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by Section 8355(a) and requiring that the employee agree to abide by the terms of that statement.

I also understand that if the City determines that I have either (a) made a false certification herein, or (b) violated this certification by failing to carry out the requirements of Section 8355, that the contract or grant awarded herein is subject to suspension of payments, termination, or both. I further understand that should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of Section 8350 *et seq.*

I acknowledge that I am aware of the provisions of Government Code Section 8350 *et seq.* and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

SPIESS CONSTRUCTION CO., INC.  
Name of Contractor

  
Signature

SCOTT A. COLEMAN, PRESIDENT  
Print Name

01 AUGUST 2018  
Date

## INFORMATION REQUIRED OF BIDDER

The bidder shall furnish the following information. Failure to comply with this requirement may render the Bid non-responsive and may cause its rejection. Additional sheets shall be attached as required.

(1) Number of years as a contractor in construction work of this type: 41 YEARS

(2) Names and titles of all officers of contractor's firm:  
SCOTT A. COLEMAN, PRESIDENT  
BARRY L. MATCHETT, VICE PRESIDENT  
FRANK L. FORTHUN, ASST. VICE PRES.  
JEFF DAVIDSON, SECRETARY

(3) Name of person who inspected site of proposed work for your firm: \_\_\_\_\_  
Date of Inspection: \_\_\_\_\_

(4) Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract: TRAVELERS CASUALTY & SURETY CO. OF AMERICA  
ABD INSURANCE & FINANCIAL SERVICES - BRYAN MARTIN  
3 WATERS PARK DRIVE, BLDG B, STE 100, SAN MATEO, CA  
(415) 302-4309

(5) ATTACH TO THIS BID the experience resume of the person who will be designated chief construction superintendent.

(6) List five projects completed as of recent date involving work of similar type and complexity:  
Project: (SEE ATTACHED EXPERIENCE SUMMARY)

Contract Price: \_\_\_\_\_

Name, address and telephone number of owner: \_\_\_\_\_

Name and telephone number of Contact Person: \_\_\_\_\_

Project: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Name, address and telephone number of owner: \_\_\_\_\_

Name and telephone number of Contact Person: \_\_\_\_\_



Spiess Construction Co., Inc.

P.O. Box 2849  
Santa Maria, CA 93457-2849  
(805) 937-5859  
Fax (805) 934-4432

**EXPERIENCE SUMMARY**  
**WELDED STEEL STORAGE TANKS**  
(CONTACT OFFICE FOR EXPERIENCE PRIOR TO 2011)

1. **80,000 Gallon Backwash Tank for Manganese Treatment System Project** **\$154,886**  
  
c/o Mountain Cascade Construction – John Thieman (925) 525-8199  
PO Box 5050 Job# 21052  
Livermore, CA 94551 October 2011
  
2. **Plant 119 Reservoir Project** **\$627,050**  
  
Suburban Water Systems – Jorge Lopez (626) 543-2518  
1211 E. Center Court Drive Job #21102  
Covina, CA 91742 December 2011
  
3. **Cachuma Lake Fire Suppression Water Storage Reservoir** **\$361,481**  
County of Santa Barbara  
  
c/o Brough Construction – Jeff Brough (805) 489-7779  
634 Printz Road Job #21111  
Arroyo Grande, CA 93420 December 2011
  
4. **Brace Tank No. 1 & Via Montana Tank No. 2** **\$181,300**  
Seismic Upgrades  
  
City of Burbank – Danny Wang (818) 238-3500  
275 Olive Avenue Job #21123  
Burbank, CA 91510 December 2011
  
5. **Lodi Surface Water Treatment Plant** **\$164,658**  
City of Lodi  
  
c/o C. Overaa & Co. – Meagan Conklin (510) 231-5582  
200 Parr Boulevard Job #21101  
Richmond, CA 94801 March 2012

6.	<b>4A Potable Water Reservoir Coating, Tank and Site Impvts</b> South Coast Water District	<b>\$76,305</b>
	c/o AIS - Brett Johnston 7831 Alondra Blvd. Paramount, CA 90723	(562) 940-8305 Job #21201 June 2012
7.	<b>Dow Tank Modification &amp; Vista De Almaden Tank Ladder</b> San Jose Water Company	<b>\$52,530</b>
	c/o West Valley Construction – Chris Saul 580 McGlincey Lane Campbell, CA 95008	(408)371-3604 Job #21149 July 2012
8.	<b>Kern Valley State Prison Tank</b> State of California Dept. of Correction & Rehabilitation	<b>\$206,850</b>
	c/o Preston Pipelines – Steve Yates 133 Bothelo Avenue Milpitas, CA 95035	(408) 262-1418 Job #21145 September 2012
9.	<b>Carmel Woods Tank #3</b>	<b>\$532,144</b>
	California American Water – Aman Gonzalez 511 Forest Lodge Rd. Pacific Grove, CA 93950	(831) 646-3201 Job #21139 September 2012
10.	<b>La Barge Vineyard Water &amp; Fire System</b> La Barge Vineyards, LLC	<b>\$104,085</b>
	c/o Rodney Williams Construction 1305 North "H" Street A-307 Lompoc, CA 93436	(805) 735-3449 Job #21230 November 2012
11.	<b>Bear Gulch Roof Repair</b>	<b>\$75,120</b>
	California Water Service Co. – Mike Fogel 1720 North First Street San Jose, CA 95112	(408) 367-8339 Job #21253 November 2012
12.	<b>Existing Cypress Reservoir Roof Replacement</b> Project No. W-1102	<b>\$1,358,260</b>
	City of Covina – Laura Lara or Dean Dospital 125 East College Street Covina, CA 91723	(626) 384-5490 Job #21205 January 2013

- |     |   |   |
|-----|---|---|
| 13. | <b>De Bell Tank No. 2 and Paseo Redondo</b><br>Tank Seismic Upgrades Project  | <b>\$224,050</b>                              |
|     | City of Burbank – Danny Wang<br>301 East Olive Ave.<br>Burbank, CA 91502  | (818) 238-3500<br>Job #21242<br>February 2013 |
| 14. | <b>Exterior Coating &amp; Painting of Tanks &amp; Containment Basin</b>   | <b>\$597,600</b>                              |
|     | Chino Basin Desalter Authority – Casey Costa<br>2151 S. Haven, #202<br>Ontario, CA 91761  | (909) 218-3230<br>Job #21250<br>March 2013    |
| 15. | <b>Fire Protection Water Storage Tank</b>   | <b>\$505,902</b>                              |
|     | Department of Navy – ROICC Camp Pendleton<br>c/o Webcor/RA Burch – Andrew Martin<br>405 Maple Street, #B<br>San Ramon, CA 92065 | (760) 788-0800<br>Job #21143<br>May 2013      |
| 16. | <b>Construction of Reservoir 7990-2</b>   | <b>\$721,100</b>                              |
|     | Coachella Valley Water District – Amer Hassouneh<br>85-995 Avenue 52<br>Coachella, CA 92236                                     | (760) 398-2651<br>Job #21245<br>July 2013     |
| 17. | <b>Fire Water Storage Tank</b><br>Ross Store Hotel #3   | <b>\$232,800</b>                              |
|     | c/o Western States Fire Protection - James Grimes<br>3720 Industry Avenue<br>Lakewood, CA 90712                                 | (562) 279-0770<br>Job #21334<br>December 2013 |
| 18. | <b>(2) 150,000 Gallon Welded Steel Tanks</b><br>Arsenic Wellhead Mitigation Project   | <b>\$487,288</b>                              |
|     | City of Delano<br>c/o Brough Construction Inc. - Jedd Ingram<br>634 Printz Road<br>Arroyo Grande, CA 93420                      | (805) 709-1735<br>Job #21215<br>February 2014 |
| 19. | <b>Fire Water Storage Tank</b><br>Ross Stores, Inc. Central Valley Distribution Center  | <b>\$355,725</b>                              |
|     | c/o RLH Fire Protection – Jason Norton<br>3430 Unicorn Rd.<br>Bakersfield, CA 93308   | (661) 410-1334<br>Job #21329<br>April 2014    |

- |     |  |   |
|-----|--|---|
| 20. | <b>East Reservoir 2.0 MG Welded Steel Water Storage Tank</b>   | <b>\$1,085,297</b>                            |
|     | Western Heights Water Company – Bill Brown<br>32352 Avenue D,<br>Yucaipa, CA 92399   | (909)790-1901<br>Job# 21354<br>August 2014    |
| 21. | <b>Regnart Heights Station Tank Replacement</b>  | <b>\$701,350</b>                              |
|     | San Jose Water Company<br>c/o Lewis & Tibbits- Ryan Kreider<br>1265 South Bascom Ave.<br>San Jose, CA 95128                | (408) 925-0220<br>Job #21339<br>February 2015 |
| 22. | <b>0.20 MG Zurich II Welded Steel Water Tank<br/>&amp; Appurtenant Work</b>  | <b>\$525,800</b>                              |
|     | Crestline Village Water District – Karl Drew<br>777 Cottonwood Drive<br>Crestline, CA 92325                                | (909) 338-1727<br>Job #21412<br>March 2015    |
| 23. | <b>Water Storage System Design and Construction<br/>of the County Substation Project, Jacumba, CA</b>                      | <b>\$534,035</b>                              |
|     | San Diego Gas & Electric Company<br>c/o Beta Engineering-Trinity DeVille<br>8315 Century Park Court<br>San Diego, CA 92123 | (318) 767-5593<br>Job #21345<br>April 2015    |
| 24. | <b>Ross Central Valley Distribution Center</b>   | <b>\$355,725</b>                              |
|     | Ross Stores, Inc.<br><br>c/o RLH Fire Protection – Jason Norton<br>4440 Rosewood Drive<br>Pleasanton, CA 94588             | (661) 410-1334<br>Job #21329<br>April 2015    |
| 25. | <b>Beltz Well #2 – Santa Cruz, CA</b>  | <b>\$293,900</b>                              |
|     | Anderson Pacific Engineering<br>Attn: Andy Sullivan<br>1390 Norman Ave<br>Santa Clara, CA 95054                            | (408) 219-2640<br>Job # 2356<br>Oct 2015      |

- |     |   |  |
|-----|---|--|
| 26. | <b>CBI – Federal Services – Whittier Narrows EPA</b>  | <b>\$535,735</b>                                 |
|     | CBI Federal Services<br>James J. Franklin<br>1230 Columbia Street, Suite 1200<br>San Diego, CA 92101        | (619) 446-4517<br>Job #21351<br>May 2015         |
| 27. | <b>Water Storage Tanks #7A &amp; B Peter Pitchess Detention Center</b>                                      | <b>\$423,687</b>                                 |
|     | Bowe Constructors<br>Mr. Darrin Bowe<br>42424 4 <sup>th</sup> Street<br>Lancaster, CA 92101                 | (661) 940-0899<br>Job #21418<br>July 2015        |
| 28. | <b>.75 mg Tank Replacement</b>  | <b>\$1,489,145</b>                               |
|     | Meiners Oaks Water District - Mike Hollebrands<br>202 West El Roblar<br>Ojai, CA 93023                      | (805) 646-2114<br>Job #21440<br>September 2015   |
| 29. | <b>Jefferson Elementary School Tank</b>   | <b>\$287,660</b>                                 |
|     | c/o RGM & Associates Brad Kaune<br>Jefferson School District<br>1219 Whispering Wind Dr.<br>Tracy, CA 95377 | (925) 671-7717<br><br>Job #21434<br>January 2016 |
| 30. | <b>Reservoir 2A-2.5 Million Gallon Welded Steel Water Storage Tank</b>                                      | <b>\$1,477,995</b>                               |
|     | South Mesa Water Company - David Armstrong<br>391 W. Avenue L<br>Calimesa, CA 92320                         | (909) 795-2401<br>Job #21439<br>March 2016       |
| 31. | <b>Camanche Tank 9 Replacement</b>  | <b>\$398,295</b>                                 |
|     | Amador Water Agency<br>c/o Mazingo Construction – Casey Yearot<br>12800 Rider Rd.<br>Sutter Creek, CA 95685 | (209) 848-0160<br>Job # 21713<br>October 2017    |

- |            |   |  |
|------------|---|--|
| <b>32.</b> | <b>Sylvan Glen Reservoir Seismic Retrofit and Site Improvement</b>                                | <b>\$982,660</b>                                       |
|            | Walnut Valley Water District – Vince De La Rosa<br>2571 S. La Brea Canyon Rd.<br>Walnut, CA 91789 | (909) 595-1268 ext 297<br>Job #21707<br>September 2017 |
| <b>33.</b> | <b>Palos Verde PV 037-T1 Tank Improvement</b>   | <b>\$594,700</b>                                       |
|            | California Water Service – Bryan Wilfey<br>1720 N. First St.<br>San Jose, CA 95112                | (310) 257-1478<br>Job #21705<br>May 2017               |
| <b>34.</b> | <b>Well No. 4 Tank Site Improvement</b>   | <b>\$624,950</b>                                       |
|            | City of Delano – Pedro Nunez<br>1015 Eleventh St.<br>Delano, CA 93215                             | (661) 720-2256<br>Job #21704<br>September 2017         |



Project: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Name, address and telephone number of owner: \_\_\_\_\_

\_\_\_\_\_  
Name and telephone number of Contact Person: \_\_\_\_\_

Project: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Name, address and telephone number of owner: \_\_\_\_\_

\_\_\_\_\_  
Name and telephone number of Contact Person: \_\_\_\_\_

Project: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Name, address and telephone number of owner: \_\_\_\_\_

\_\_\_\_\_  
Name and telephone number of Contact Person: \_\_\_\_\_

Note: The above information is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.

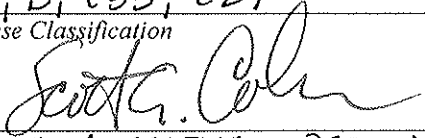
## STATEMENT OF LICENSURE

UNDER PENALTY OF PERJURY, I swear that the license or certificate of licensure (a copy of which is attached hereto) is mine, is current and valid, and is in a classification appropriate to the work to be undertaken.

SPIESS CONSTRUCTION CO., INC.  
Licensee

333909                      5-31-20  
Contractor's License Number and Expiration Date

A, B, C33, C27  
License Classification

Signed:   
SCOTT A. COLEMAN, PRESIDENT

If the bidder possesses a current City of Lemoore Business License at Bid Day, the bidder certifies its number is N/A, dated \_\_\_\_\_.

(WILL OBTAIN BUSINESS LICENSE IF APPARENT LOW BIDDER.)

**CERTIFICATION OF COMPLIANCE WITH  
STATE LABOR CODE SECTION 3700**

In compliance with State Labor Code Section 1861:

*I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.*

Dated: 01 AUGUST, 2018

SPIESS CONSTRUCTION CO., INC.  
Contractor

By:

  
\_\_\_\_\_

*(Seal if Corporation)*

SCOTT A. COLEMAN, PRESIDENT

**BID CERTIFICATION PAGE**

Accompanying this bid is BIDDERS BOND  
(NOTICE: INSERT THE WORDS "CASH(\$ \_\_\_\_\_)," "CASHIER'S CHECK," "CERTIFIED CHECK," OR "BIDDER'S BOND," AS THE CASE MAY BE.)

in amount equal to at least ten percent of the total of the bid.

The names of all persons interested in the foregoing bid as principals are as follows:

**IMPORTANT NOTICE:** If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a copartnership, state true name of firm, also names of all individual copartners composing firm; if bidder or other interested person is an individual, state first and last names in full. SPIESS CONSTRUCTION CO., INC.

President: SCOTT A. COLEMAN  
Secretary: JEFF DAVIDSON  
Treasurer: N/A  
Manager: SCOTT A. COLEMAN

Licensed in conformance with an act providing for the registration of Contractors,

License No. 333989 Classification(s) A, B, C33, C27

**ADDENDA**

This Bid is submitted with respect to the changes to the contract included in addenda number/s

1  
(Fill in addenda numbers if addenda have been received and insert, in this Bid, any Engineer's Estimate sheets that were received as part of the addenda.)

By my signature on this bid I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this bid I further certify, under penalty of perjury under the laws of the State of California and the United States of America, that the Noncollusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106; and the Title 49 Code of Federal Regulations, Part 29 Debarment and Suspension Certification are true and correct.

Date: 01 AUGUST 2018



SPIESS CONSTRUCTION CO., INC.  
Scott Coleman

SCOTT A. COLEMAN, PRESIDENT  
Signature and Title of Bidder

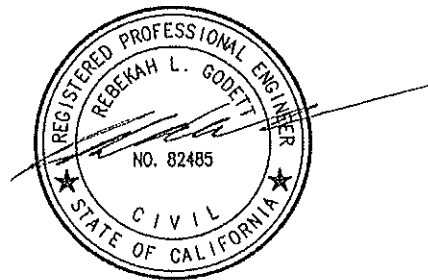
Business Address 1110 E. CLARK AVE., #210, SANTA MARIA, CA  
Place of Business SANTA MARIA, CA  
Place of Residence ARROYO GRANDE, CA

# ADDENDUM No. 1

FOR THE

## CITY OF LEMOORE WATER TANK WELL 7 IMPROVEMENTS

July 24, 2018



OWNER:  
City of Lemoore  
711 Cinnamon Drive  
Lemoore, CA 93245  
(559) 924-6735

PREPARED BY:  
QK.  
901 E. Main Street  
Visalia, CA 93278  
(559) 733-0440

L160239

## ADDENDUM No. 1

---

The following additions, deletions, or modifications shall become part of the Contract Documents for this Project:

### REVISIONS TO SPECIFICATIONS

#### **BID CONDITIONS**

- Item 1.** Replace Page BC-11 and BC-12 with REVISED Page BC-11 and REVISED BC-12, attached.

#### **SPECIAL PROVISIONS PART II, CONSTRUCTION DETAILS**

- Item 2.** Section 33 16 14 Welded Steel Water Storage Tank.
- Item 3.** Revise Part 1-1.4. B.4 to read: Vandal Deterrent Exterior Staircase.
- Item 4.** Revise Part 1-1.4. C.1.F to read: Staircase, handrail, and staircase safety device details.
- Item 5.** Revise Part 2-2.2. B.7 to read: Roof thickness: 3/16-inch, minimum.
- Item 6.** Revise Part 2-2.2. F.1 to read: Fabricate the tank bottom, including sketch and annular plates, from steel plate not less than 1/4 inch in thickness. Annular bottom plates shall be provided per Appendix C of ANSI/AWWA D100. The minimum annular plate width shall be determined by ANSI/AWWA D100, Section 13.
- Item 7.** Replace Part 2-2.2. J with the following:
1. Fabricate staircase in conformance with OSHA 1910.23, OSHA 1910.27 and all other applicable standards.
  2. Vandal Deterrent:
    - a. Provide a 10 foot high vandal deterrent gate and cage on the exterior staircase.
    - b. Equip the vandal deterrent gate with a hasp for a padlock furnished by the Owner.
    - c. Piano-type hinges shall not be used on the vandal deterrent gate.
- Item 8.** Part 2-2.2. K replace all references to Ladder with Staircase.
- Item 9.** Part 2-2.2. L replace reference to Ladder with Staircase.
- Item 10.** Revise Part 2-2.3. K.2 to read: Exterior Staircase: Galvanized steel construction.
- Item 11.** Revise Part 2-2.3. K.3 to read: Staircase Platform: Galvanized steel construction.

### REVISIONS TO PLANS

- Item 12.** The fixed ladder as shown in Detail 1 on sheet 11 shall be redesigned by the tank manufacturer to provide a staircase attached to the tank shell. Landing and handrail requirements shown on the tank roof are still required.

### CONTRACTOR QUESTIONS

- Q1.** Is this project subject to the Buy America or Buy American material requirement for steel product?

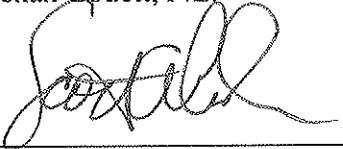
**ADDENDUM No. 1**

- A1. The project is funded by local funds and buy American steel provisions will not be enforced.
- Q2. Under which bid item does the removal of the existing fence fall under?  
A2. The removal of the existing fence falls under Item 3 Demolition.
- Q3. Under which bid item does the installation of the new fence fall under?  
A3. The new fence falls under bid Item 14 of the attached bid schedule.
- Q4. There is no written chain link fence section in technical specifications in the bid documents. Will a written specification be provided or are we to use the standard City of Lemoore section 26 for Chain Link Fence?  
A4. The chain link fence shall be constructed per STD No. SD-7 on sheet 14 of the plans. No other specification will be provided.
- Q5. Does Detail STD No. SD-7 on plan sheet 14 take precedence for the Chain Link Fence materials on this project?  
A5. The chain link fence shall be constructed per STD No. SD-7 on sheet 14 of the plans.
- Q6. What is the high-water level in the existing tank that is supposed to be matched in the new tank?  
A6. The City estimates the top of the flow inside of the tank to be 28 feet.
- Q7. If the tank designer can achieve a nominal capacity of 1,500,000 gallons with a tank that is 90' in diameter, rather than 92', and 34' high shell rather than the 32' shell (plus a 3' knuckle), will that be acceptable?  
A7. The City wants to maintain the same size as the existing tank.

NOTE: **One copy of this Addendum Number 1 shall be signed by the Contractor and must be submitted with the bid as acknowledgement of receipt and acceptance of this Addendum Number 1.**

Prepared by:   
Rebekah Godett, P.E.  
QK

7/24/18  
Date

Accepted by:   
Contractor (Signature)

24 JULY 2018  
Date

SPIESS CONSTRUCTION Co, Inc.  
Contractor (Print Name)

SCOTT A. COLEMAN, PRESIDENT  
Title



AZ #119975 • CA #333989 • NV #0038929

**Spiess Construction Co., Inc.**

**P.O. Box 2849  
Santa Maria, CA 93457-2849  
(805) 937-5859  
Fax (805) 934-4432**

August 10, 2018

Quad Knopf  
Attn: Mr. Rick Joyner, PE  
901 E. Main Street  
Visalia, CA 93278

Re: City of Lemoore  
Water Tank Well 7 Improvements

Subj: Addendum #2

Mr. Joyner:

Enclosed please find Addendum #2 for the Water Tank Well 7 Improvements project as received by email from your office on July 27, 2018 and signed by Scott Coleman, President of SCCI that same day. We are confirming our bid for this project as submitted on August 2, 2018 in the amount of \$1,998,000.00 and we are hereby acknowledging Addendum #1 and Addendum #2. Both addendums were to be included in our bid package. We cannot explain why Addendum #2 was not in the package as submitted on bid day.

We ask that the City of Lemoore consider the omission of the returned acknowledged Addendum No. 2 from the bid package as a minor irregularity that can be waived by the contracting agency.

We are fully prepared to enter into a contract with the City of Lemoore and to perform the work per the contract plans and specifications.

Regards,  
Spiess Construction Company, Inc.

  
Barry L. Matchett,  
Vice President

Encl.



**ADDENDUM No. 2**

**FOR THE**

**CITY OF LEMOORE**  
**WATER TANK WELL 7 IMPROVEMENTS**

July 27, 2018



OWNER:  
City of Lemoore  
711 Cinnamon Drive  
Lemoore, CA 93245  
(559) 924-6735

PREPARED BY:  
QK.  
901 E. Main Street  
Visalia, CA 93278  
(559) 733-0440

L160239

## ADDENDUM No. 2

---

The following additions, deletions, or modifications shall become part of the Contract Documents for this Project:

### REVISIONS TO SPECIFICATIONS

#### **BID CONDITIONS**

- Item 1.** Revise time of completion on Pages BC-1, BC-8, BC-30 and BC-44 from 120 working days to 180 working days.

#### **SPECIAL PROVISIONS – SUPPLEMENTARY CONDITIONS**

- Item 2.** Revise time of completion on Pages SC-2 from 120 working days to 180 working days.

#### **SPECIAL PROVISIONS PART II, CONSTRUCTION DETAILS**

- Item 3.** Section 09 96 56 Epoxy Coatings, Add Part 2-2.2 H to read: All epoxy coatings in contact with potable water shall meet the requirements of NSF 61 lead free standards.

- Item 4.** Section 40 23 53 Ductile Iron Pipe, Revise Part 2-2.2 B to read:
- B. Nuts, Bolts, and Washers:
1. General:
    - a. Provide washers of the same material with each nut.
    - b. Length: Ends project ¼ to ½-inch beyond surface of nuts.
    - c. Dimensions: ANSI/ASME B18.2.1, regular pattern for square pattern for hexagonal.
  2. Material:
    - a. Steel and Ductile Iron Pipe:
      - 1) Class 125 or 150 Flanges indoors, above grade, or enclosed in vaults or structures:
        - a) ASTM A307 Grade B steel hot dipped galvanized in accordance with ASTM F2329.
      - 2) Class 125 or 150 Flanges buried or submerged:
        - a) Type 316 stainless steel per ASTM A193 for bolts and ASTM A194 for nuts with anti-seize lubricant.
    - b. Stainless Steel Flanges:
      - 1) Type 316 stainless steel per ASTM A193 for bolts and ASTM A194 for nuts with anti-seize lubricant.
    - c. FRP and Plastic pipe:
      - 1) Water Service:
        - a) Flanges indoors, above grade, or enclosed in vaults or structures:
          - (1) ASTM A307 Grade B steel hot dipped galvanized in accordance with ASTM F2329.

**ADDENDUM No. 2**


- 2) Flanges buried or submerged:
  - a) Type 316 stainless steel per ASTM A193 for bolts and ASTM A194 for nuts with anti-seize lubricant.
- 3) Chemical applications:
  - a) Sodium hypochlorite:
    - (1) Titanium bolts and nuts in accordance with ASTM F467.

**Item 5.** Section 40 23 53 Ductile Iron Pipe, Revise Part 2-2.2 C to read:

C. Gaskets:

- 1. General:
  - a. ASTM D2000 Full-faced 1/8-inch thick non-asbestos gaskets conforming to ANSI B16.5.
- 2. Water service (steel, ductile iron, copper, stainless steel):
  - a. Material: Reinforced SBR Rubber.
  - b. Service Pressure: 200-psi.
  - c. Tensile Strength: 2,500-psi min
  - d. Durometer: 70±5, min
- 3. Sodium Hypochlorite service:
  - a. Material: Viton
  - b. Service Pressure: 200-psi.
  - c. Durometer: 60±5, min
  - d. Tensile Strength: 2,000-psi min

**NOTE: One copy of this Addendum Number 2 shall be signed by the Contractor and must be submitted with the bid as acknowledgement of receipt and acceptance of this Addendum Number 2.**

Prepared by:   
Rebekah Godett, P.E.  
QK

7/27/18  
Date

Accepted by:   
Contractor (Signature)

27 JULY 2018  
Date

SPIESS CONSTRUCTION Co., INC.  
Contractor (Print Name)

SCOTT A. GOLEMAN, PRESIDENT  
Title



711 West Cinnamon Drive • Lemoore, California 93245 • (559) 924-6700 • Fax (559) 924-96708

## Staff Report

**Item No: 3-4**

**To: Lemoore City Council**

**From: Heather J. Corder, Finance Director**

**Date: September 6, 2018 Meeting Date: September 19, 2018**

**Subject: Second Reading – Ordinance 2018-07 Amending Article A and B of Chapter 7 of the City of Lemoore Municipal Code Relating to Water Use and Service**

**Strategic Initiative:**

- |   |  |
|---|--|
| <input type="checkbox"/> Safe & Vibrant Community             | <input type="checkbox"/> Growing & Dynamic Economy |
| <input checked="" type="checkbox"/> Fiscally Sound Government | <input type="checkbox"/> Operational Excellence    |
| <input type="checkbox"/> Community & Neighborhood Livability  | <input type="checkbox"/> Not Applicable            |

**Proposed Motion:**

After conducting its second hearing on Ordinance No. 2018-07 amending Section 4-1-6 of Chapter 1 pertaining to the billing and collection of garbage and refuse fees and penalties; Amending Article A of Chapter 7 pertaining to the billing and collection of water use and service fees and penalties; and Amending Article B of Chapter 7 pertaining to billing and collection of sewer service rates, charges and penalties; waive the reading of the Ordinance in its entirety and adopt the Ordinance.

**Subject/Discussion:**

Staff noticed there were some items in the water ordinance that either needed to be clarified or added. A brief recap of those items are listed below.

- The clarification regarding a deposit and how the deposit will be held by the City and when the deposit will be applied to the customer's account.
- Establishing charges and rates for customers outside the City limits.
- Adding language that would require the guaranty by the owner of the property that the utility bills for that property will be paid.
- Adding language clarifying penalties, discontinuance of service and how debts will be collected.

- Adding language regarding vacant premises and notification of the Utility Billing department.
- Adding language clarifying that water service shall not be furnished free of charge.

On September 4, 2018, City Council approved the first reading of Ordinance No. 2018-07 with a 4-0-1 vote.

**Financial Consideration(s):**

These changes will decrease the amount of unpaid bills the City has to write off or send to collections. The collection of a deposit will allow the City to apply the deposit towards any unpaid balance prior to sending the customer to collections.

**Staff Recommendation:**

Staff recommends that the City Council hold its second hearing on the proposed Ordinance, waive the reading of the Ordinance in its entirety, and adopt the Ordinance. The Ordinance will take effect 30 days following adoption.

**Attachments:**

- Resolution:
- Ordinance: 2018-07
- Map
- Contract
- Other
- List:

**Review:**

- Asst. City Manager
- City Attorney
- City Clerk
- City Manger
- Finance

**Date:**

- 09/11/18
- 09/12/18
- 09/13/18
- 09/12/18
- 09/12/18

**ORDINANCE NO. 2018-07**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF LEMOORE  
AMENDING SECTION 4-1-6 OF CHAPTER 1 OF TITLE 4 PERTAINING TO THE  
BILLING AND COLLECTION OF GARBAGE AND REFUSE FEES AND PENALTIES;  
AMENDING SECTION 7-7A OF ARTICLE A OF CHAPTER 7 OF TITLE 7  
PERTAINING TO THE BILLING AND COLLECTION OF WATER USE AND  
SERVICE FEES AND PENALTIES; AND AMENDING SECTION 7-7B-6 OF ARTICLE  
B OF CHAPTER 7 OF TITLE 7 PERTAINING TO BILLING AND COLLECTION OF  
SEWER SERVICE RATES, CHARGES AND PENALTIES**

**WHEREAS**, the Municipal Code of the City of Lemoore contains certain terms and conditions regarding the City’s provision of garbage and refuse collection, water use and sewer utility services (“Utility Services”);

**WHEREAS**, the code requirements are sometimes unclear regarding the procedures for billing, collection, delinquencies, penalties and appeals; and

**WHEREAS**, it is in the interest of the people of the City of Lemoore to clarify the City’s processes for billing, collection, delinquencies, penalties and appeals for its utility services..

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LEMOORE DOES ORDAIN AS FOLLOWS:**

**SECTION 1.** Section 4-1-6. Chapter 9 of Title 4 of the Lemoore Municipal Code is hereby amended to read as follows:

**4-1-6: REFUSE COLLECTION FEES:**

A. Fees Established: The fees to be charged by the city for refuse collection service within the city shall be established by resolution of the City Council after a duly noticed public hearing regarding the establishment of said fees.

**B. Payment of Fees; Delinquencies:**

1. All refuse charges shall be collected together with, and not separately, from the charges for any utility service rendered by the City, and all charges shall be billed upon the same bill and collected as one item. All utility service charges shall be payable upon presentation date at the office of the City water collector in the City Hall and shall be delinquent on the twenty-fifth day of the calendar month following the date of presentment.

2. The owner or owners of any parcel of real property, together with any and all occupants of such real property, shall be jointly liable for all charges incurred by reason of the use of said waste and refuse pick-up service by any and all occupants of such real property.
3. In the event a utility bill is not paid on or before the tenth day after the bill becomes delinquent, the refuse service shall be discontinued. On the eleventh day after the bill becomes delinquent the fees of \$25.00, in addition to the amount of the utility bill, shall be charged:
4. If refuse service has been discontinued for failure to pay a utility bill as set forth in subsection 3 of this section, the entire amount of the refuse bill and all fines and penalties provided below shall be paid in full before refuse service is restored:
  - a. A fee of twenty-five and no/100ths dollars (\$25.00) shall be charged on all returned items (to include online payments) in payment of utility charges.
5. Disputed Bills: Should the amount of any bill for service be questioned, the customer should promptly request an explanation. If the explanation is not satisfactory or is not understood, the customer must pay the bill under protest to avoid discontinuance of service. Protests will be addressed to the Director of Finance, must be in writing, and must state the reasons why the charges are believed to be incorrect. The Director of Finance will analyze the facts of the case and is authorized to make such adjustments in the charges as may be necessary to effect an equitable settlement. Failure of a customer to pay under protest after initial explanation is offered will result in discontinuance of service without further notice if bill is not paid by the delinquency date.
6. Accounts shall be subject to collection of any delinquent fees and charges in the following manner:
  - a. At the time the fees become delinquent and until such time they are fully paid, the delinquent account balance, including late charges, shall constitute an unrecorded lien against the property and, as such, may be identified during a title search. For commercial businesses, delinquent account balances, including late charges, may be considered an unrecorded lien against the business name and/or owner of the business.
  - b. Once a year there may be prepared a report of delinquent fees including late charges. The City Council shall fix a time, date and place for hearing the report and receive any objections or protests thereto.
  - c. The City Council shall cause notice of hearing to be mailed to the landowners listed on the report not less than fifteen (15) days prior to the date of the hearing.

- d. At the hearing, the City Council shall hear any objections or protests of landowners liable to be assessed for delinquent fees including late charges and administrative fees, as set by resolution of the City Council. The City Council may make revisions or corrections to the report as it deems just, after which, by resolution, the report shall be confirmed.
  - e. The delinquent fees set forth in the report as confirmed shall constitute special assessments against the respective parcels of land and are a lien on the property for the amount of such delinquent fees, including late charges. A certified copy of the resolution confirming the assessments shall be filed with the County Recorder and the County Auditor-Controller/Tax Collector for the amounts of the assessments against the respective parcels as they appear on the current assessment roll. The lien created attaches upon filing. The assessments shall be collected at the same time and in the same manner as other property taxes and shall be subject to the same penalties and the same procedure and sale in case of delinquency as provided for such taxes. All laws applicable to the levy, collection and enforcement of property taxes shall be applicable to such assessments. However, if, for the first year for which the charges are prescribed, the property served by the City has been transferred or conveyed to a bona fide purchaser for value, and attached thereon, prior to the date on which the first installment of county taxes would become delinquent, the charge will not result in a lien against the real property, but shall become transferred to the unsecured roll for collection.
  - f. In addition to, or alternatively to, imposing a lien, the City may file an action for the collection of any amounts due and unpaid against the owner, tenant, lessee or other occupants or persons in possession, charge or control of any place in or from which refuse is created, accumulated or produced. In any such action, the delinquent balances may also be processed through a collection agency.
- C. Application of Funds Received: Any payment received for City utility charges in an amount less than the total charge billed shall be treated as a partial payment for each such charge and the amount received allocated to the separate departments in the same ratio as each such charge bears to the whole of the bill. (Ord. 8402, 3-20-1984)
- D. Vacant Premises; Refunds: Whenever the premises for which collection and disposal service is provided is vacant or unused for a period of thirty (30) days or more, the person to whom the collection charge is made may secure a rebate of his refuse collection service charges for said period of vacancy by presenting to the director of public works an affidavit setting forth all the facts of the vacancy under penalty of perjury. If satisfied with the truth of the statements of vacancy, the director of public works shall approve said claim and the finance department shall make the appropriate refund of such charges. No charge shall be made for newly constructed premises until the same is occupied; provided, however, that a person shall be conclusively presumed to be using refuse collection and disposal service when the premises is connected to the City water or sewer system. (Ord. 2006-05, 7-18-2006)



**SECTION 2.** Sections 7-7A-5, 7-7A-5.5, 7-7A-9 and 7-7A-10 of Article A of Chapter 7 of Title 7 of the Lemoore Municipal Code are hereby amended to read as follows:

**7-7A-5: APPLICATION FOR WATER SERVICE:**

In every case in which any property owner or his agent desires a connection to be made to the water mains of the City, an application must be made to the Utility Billing Department. Applications from public agencies, landowners, developers, or commercial businesses for water service outside the City boundaries shall be evaluated and approved consistent with Section 7-7C-2, subdivisions (B) and (C).

Each applicant for water service may be required to establish credit before service will be initiated. Credit will be deemed established if the applicant meets any or all conditions established by City Council resolution.

- A. If a deposit is made or required to establish credit, it shall be paid to the Utility Billing Department, which will deposit it into a special, non-interest-bearing account dedicated exclusively for such purposes. In the event the service account becomes delinquent or when service is terminated, the deposit will be applied to the customer's unpaid bill(s). If the deposit exceeds the amount of the bill(s), the excess amount will be refunded to the customer. The deposit shall be refunded to a customer who has paid all bills for water service without delinquency for the prior twelve (12) consecutive months. If the City draws against the deposit to cover delinquent payments, the City may require the customer to restore the deposit to its original amount as a condition of providing ongoing water service.
- B. The Water Division shall furnish temporary service, if feasible, to any applicant on the following conditions:
  1. Applicant will be required to pay the estimated cost of installing and removing the facilities necessary to furnish service in advance; and
  2. Applicant will be required to establish credit in the manner set forth in Subsection (A) above.
- C. Before any such application for water service is granted, the Utility Billing Department shall confirm that applicant has paid any delinquent utility services account with the City in the name of the applicant, the applicant's spouse, any co-resident, business firm or association with which the applicant is or has been associated in such a way as to benefit directly from the City's utility service. If it is discovered later that any customer had an outstanding delinquent account with the City for utility services at the time of the application in the name of the applicant, the applicant's spouse, any co-resident, business firm or association with which the applicant is or has been associated in such a way as to benefit directly from the City's utility

service, then the outstanding balance of any such account shall be added on to the balance of the customer's new account.

#### **7-7A-5.5: WATER METERS; NEW SERVICE:**

As a condition of new water service, a suitable water meter to measure the water service shall be installed on the water service facilities in accordance with Chapter 8 (commencing with Section 500) of the California Water Code. The cost of installation of the meter shall be paid by the water user, and the City does hereby impose the cost of the installation of the meter in the amounts set forth in Resolution No. 8808 (adopted May 17, 1988, and as amended, from time to time, thereafter). The provisions of this section shall be construed consistent with the provisions of Section 110 of the Water Code and Chapter 8 of Division 1 of the Water Code.

- A. New applicants for domestic service, which is defined as an existing non-metered service, may select to maintain the unmetered service and to pay the established unmetered flat rate. Once an applicant or customer has elected either a flat or metered rate, it shall be billed for its service under the selected rate schedule while it remains a customer. All new connections to the water system shall be metered with a meter of at least one inch in size and installation of such meters shall be at the sole cost and expense of the applicant.
  - 1. Should a customer remodel, modify, change or alter its premises and the cost of such remodeling, modification, change or alteration exceeds five thousand dollars (\$5,000.00), the customer shall be required to install a water meter to measure water use at the customer's premises. The customer shall pay the total cost of the purchase and installation of the meter, including, without limitation, the cost of the meter-box.
  - 2. Should any federal, State or local law, regulation or ordinance mandate the installation of water meters for any type of water use, including, without limitation, the installation of water meters on currently unmetered service connections, then on the date any such federal, State or local law, regulation or ordinance is passed, adopted or enacted, the installation of the required water meters shall be at the sole cost and expense of the owner of the real property upon which the meter is to be installed.
  - 3. If a customer's premises are demolished, destroyed or removed from the real property upon which they are located, reconnection to the water system shall require a meter and all costs shall be borne by the customer.
  - 4. Installation of all new water services, including, without limitation, water meters, shall be performed by contractors and/or subcontractors who are duly licensed by the California State Licensing Board. All methods, materials, work procedures, and workmanship shall conform to City standards and must be approved by the City's Utilities Director or their designee.

5. Customers who install meters shall only install City-approved meters, automated meter reading devices, and meter boxes. Determination of whether a turbine or compound meter is required shall be made by the Utilities Director or their designee. All meters, automated meter reading devices, and meter boxes installed to the City's satisfaction shall become and remain the sole property of the City and shall be serviced and maintained by the City.
6. Approved backflow devices that are required to be installed by the Utilities Director or their designee are required to be tested annually and repaired by a certified tester approved by the Utilities Director or their designee, so they remain in good working order at the sole expense of the customer. If the customer fails to have the backflow device tested or repaired in the timeframes provided in the service notice from the Water Division, the City reserves the right (but shall not be required) to test and/or repair the device at the sole cost of the customer and to charge the customer for costs incurred and administrative and inspection fees established by a separate City Council resolution.
7. Paragraphs 1 through 6 of this subsection shall also apply to any customer premises located outside of the City limits, but within a county area receiving water service from the City.

B. Applicants for commercial service or industrial service shall be served under metered rates.

**7-7A-9: SHUTTING OFF WATER:**

- A. Repairs and Extensions: The City reserves the right to shut off the water at any time for the purpose of making repairs or extensions to the system or any other purpose and assumes no responsibility for any damage resulting from the water being turned off.
- B. Fires: When an alarm of fire is turned in, the water consumers on the City mains must immediately turn off all taps, faucets or any means of letting water run, which may at the time be open, and the water is not to be turned on again until such fire is known to be extinguished. (Ord. 8205, 10-5-1982)
- C. Delinquencies and Non-Payment: The City reserves the right to shut off the water at any time service charges become delinquent as described in this Article.

**7-7A-10: WATER SERVICE RATES AND CHARGES:**

- A. Powers of the City Council: The City Council may, by resolution, further define any of the uses classified herein, resolve any uncertainties regarding the proper rate under specified conditions, and establish rates for any use not herein specifically enumerated.

- B. Rates Established: The monthly rates to be collected by the City for water supplied from its waterworks to consumers shall be established by resolution of the City Council in accordance with City Ordinance 8205 and the provisions of Government Code Section 54354.5 as they may be amended from time to time. The City Council in establishing rates may require that services to premises located outside the City be billed at rates one and one-half times the calculated meter rate for metered services and one and one-half times the established flat rate for metered services. No water service shall be furnished to any customer free of charge.
- C. Payment of Water Rates and Charges: All water charges shall be collected together with, and not separately from, the charges for any other utility service rendered by the City, and all charges shall be billed upon the same bill and collected as one item. All utility service charges shall be payable upon presentation date at the office of the Finance Department in the City Hall and shall be delinquent on the twenty fifth day of the subsequent calendar month following the date of presentment.
1. The owner or owners of any parcel of real property together with any and all occupants of such real property shall be jointly liable for all charges incurred by reason of the use of said water service by any and all occupants of such real property.
  2. A fee of twenty-five and no/100ths dollars (\$25.00) shall be charged on all returned payments of utility charges;
- D. Disputed Bills: Should the amount of any bill for service be questioned, the customer should promptly request an explanation. If the explanation is not satisfactory or is not understood, the customer must pay the bill under protest to avoid discontinuance of service. Protests will be addressed to the Director of Finance, must be in writing, and must state the reasons why the charges are believed to be incorrect. The Director of Finance will analyze the facts of the case and is authorized to make such adjustments in the charges as may be necessary to effect an equitable settlement. Failure of a customer to pay under protest after initial explanation is offered will result in discontinuance of service without further notice if bill is not paid by the delinquency date.
- E. Delinquencies: The City Council may, by resolution, provide for a basic penalty for nonpayment of the charges within the time and in the manner prescribed by it. Imposition of said basic penalty shall be in accordance with the provisions of Government Code Section 54348, as amended from time to time. The City Council also may, by resolution, provide for the imposition of a fee to pay the costs associated with the posting of a forty-eight (48) hour notice as may be prescribed by the City Council.

Penalty Fees. In the event any customer fails to pay the water service charges, connection fees, or other required charges and fees identified in this section within fifteen (15) days after the date of the applicable City utility bill, the City may assess a basic penalty for late payment in

the amount of \$25.00 which amount shall be added to the delinquent charges and fees, and the Finance Director shall collect the basic penalty along with the delinquent charges and fees.

1. **Discontinuance of Service.** In the event any customer fails to pay any charges or fees described in this Chapter, including any penalty or interest, by 4:00 p.m. on the due date shown on the City-issued delinquency notice, the City, in addition to all other remedies it may have, may discontinue furnishing water service and all other services identified on the applicable utility bill and shall not resume service until all outstanding charges and fees, together with any penalties, interest, service charges and/or connection fees necessitated by the resumption of water service, have been paid in full. Prior to discontinuing all services identified on the applicable City utility bill, the City shall send a written delinquency notice to the customer advising that all utilities identified on the bill will be discontinued if payment of the total amount identified in said written notice is not paid within ten (10) days after the date of the written notice. Reconnections will only be processed Monday through Friday from 8:00 a.m. to 12:00 p.m. and 1:00 p.m. to 4:00 p.m., and will not be processed on City-observed holidays. Reconnection of service by unauthorized individuals will result in additional charges established by separate Council resolution and the incident will be reported to the proper authorities. Any check not honored by a financial institution that is used to make payment on a customer's utility account will result in additional fees established by separate Council resolution and will be a basis for the disconnection of service.
2. **Court Action.** In addition to discontinuing all utilities identified on the applicable City utility bill, the City may file a civil action against the customer for the collection of any amounts due and unpaid. Such remedy shall be cumulative and in addition to any other remedy provided in this Chapter or by law. In any such action, the delinquent balances may also be processed through a collection agency.
3. **Notice of Liens.** In the event a customer fails to pay in full all charges, fees or penalties identified in this Chapter within ninety (90) days of the date of any City utility bill, the City shall notify the owner of the real property receiving the water service, in writing, of such delinquency and that the delinquency shall be collected pursuant to the provisions of paragraph 5 of this subsection.
4. **Collection through Tax Roll.** In the alternative to filing a civil action against the customer, the City Council, pursuant to the applicable provisions of the California [Health and Safety Code](#), may elect to have all delinquent charges, fees and penalties collected on the tax roll in the same manner, at the same time and by the same persons together with and not separately from general taxes. Such delinquent charges, fees and penalties shall thereafter constitute a lien against the lot or parcel of land against which the charges have been imposed.

5. Recording of Lien. In addition to or in lieu of collecting delinquent fees through the tax roll, the City may, in accordance with California [Health and Safety Code](#) Section 5473.11, as may be amended, record a lien against the real property for which fees are delinquent.
6. Restoration of Service. The discontinued utility services shall not be restored until all charges, fees and penalties, including without limitation, all expenses of removal, discontinuance, disconnection, restoration and reconnection have been paid. If water service has been discontinued for failure to pay a utility bill as set forth in subsection (E)(2) of this section, the entire amount of the water bill and all fines and penalties provided hereunder shall be paid in full before water service is restored:
  - a. To turn on water, twenty-five and no/100ths dollars (\$25.00);
  - b. In addition to any other fees or charges provided in this section, any customer requesting a turn-on of water on any Saturday, Sunday, legal holiday or before the hour of 8:00 a.m. or after the hour of 3:30 p.m. of any day shall pay an additional charge of one hundred twenty and no/100ths dollars (\$120.00) for such turn-on.
  - c. Customers who have their water turned off due to nonpayment on a regularly scheduled water turn-off day will be charged a same day turn-on fee of sixty and no/100ths dollars (\$60.00) to have their water turned on that day. No additional charge will be assessed to the customer for next day turn-on.
7. The City may discontinue water service without notice to the customer when the apparatus, appliances or equipment using water, in the sole opinion of the City, is found to be dangerous or unsafe. The City shall promptly notify the customer of the reasons for the discontinuance and the corrective action to be taken by the customer before service can be restored.
8. The City may discontinue service without notice to any customer when the use of water thereon by the apparatus, appliances, equipment or otherwise is found by the City in its sole discretion, to be detrimental or injurious to water service furnished to other customers. The City shall promptly notify the customer of the reasons for the discontinuance and the corrective action to be taken by the customer before service can be restored.
9. The City may discontinue water service without notice to any customer when it is determined by the City, in its sole discretion, that the customer has obtained water service by fraudulent means or has diverted the water service for unauthorized use. The City shall not restore service until the customer has complied with all the City's rules and regulations, and the City has been reimbursed for the full amount of the service rendered and the actual cost to the Water Division incurred by reason of such fraudulent or unauthorized use.

F. Accounts shall be subject to collection of any delinquent fees and charges in the following manner:

1. At the time the fees become delinquent and until such time they are fully paid, the delinquent account balance, including late charges, shall constitute an unrecorded lien against the property and, as such, may be identified during a title search. For commercial businesses, delinquent account balances, including late charges, may be considered an unrecorded lien against the business name and/or owner of the business.
2. Once a year there may be prepared a report of delinquent fees, including late charges. The City Council shall fix a time, date and place for hearing the report and receive any objections or protests thereto.
3. The City Council shall cause notice of hearing to be mailed to the landowners listed on the report not less than fifteen (15) days prior to the date of the hearing.
4. At the hearing, the City Council shall hear any objections or protests of landowners liable to be assessed for delinquent fees, including late charges and administrative fees, as set by resolution of the City Council. The City Council may make revisions or corrections to the report as it deems just, after which, by resolution, the report shall be confirmed.
5. The delinquent fees set forth in the report as confirmed shall constitute special assessments against the respective parcels of land and are a lien on the property for the amount of such delinquent fees, including late charges. A certified copy of the resolution confirming the assessments shall be filed with the County Recorder and the County Auditor-Controller/Tax Collector for the amounts of the respective assessments against the respective parcels as they appear on the current assessment roll. The lien created attaches upon filing. The assessments shall be collected at the same time and in the same manner as other property taxes and shall be subject to the same penalties and the same procedure and sale in case of delinquency as provided for such taxes. All laws applicable to the levy, collection and enforcement of property taxes shall be applicable to such assessments. However, if, for the first year for which the charges are prescribed, the property served by the City has been transferred or conveyed to a bona fide purchaser for value, and attached thereon, prior to the date on which the first installment of County taxes would become delinquent, the charge will not result in a lien against the real property, but shall become transferred to the unsecured roll for collection.

G. Vacant Premises; Responsibility for Rates and Charges: A customer may have his or her water service discontinued by giving notice to the Water Division not less than two (2) days before the effective date of the discontinuance. Such customer shall be required to pay all water charges until the effective date identified in such notice. When such notice is not given, the customer shall be required to pay for water service until two (2) business days after the

Water Division has knowledge that the customer vacated the premises or otherwise has discontinued water service.

- H. Disposition of Funds: The funds received from the collection of the water service charges or rentals hereinabove set forth shall be deposited with the City Treasurer and shall be accounted for and be known as the "Water Fund" and when appropriated by the City Council shall be available for the payment of interest or principal on any and all bonds issued and outstanding or which may be issued for water pumping, storage and delivery facilities and to retire such bonds when they mature and for the payment of cost and expenses of acquisition, construction, operation, maintenance and repair of the City water system and the extensions and improvements thereto.

Any payment received for City utility charges in an amount less than the total charge billed shall be treated as a partial payment for each such charge and the amount received allocated to the separate departments in the same ratio as each such charge bears to the whole of the bill. (Ord. 8205, 10-5-1982)

**SECTION 3.** Section 7-7B-6 of Article B of Chapter 7 of Title 7 of the Lemoore Municipal Code is hereby amended to read as follows:

**7-7B-6: PAYMENT OF CHARGES; DELINQUENCIES:**

- A. All sewer charges shall be collected together with and not separately from the charges for any other utility service rendered by the City, and all charges shall be billed upon the same bill and collected as one item. All utility service charges shall be payable upon presentation date at the office of the City Water Collector in the City Hall and shall be delinquent on the first day of the calendar month following the date of presentment.
- B. Disputed Bills: Should the amount of any bill for service be questioned, the customer should promptly request an explanation. If the explanation is not satisfactory or is not understood, the customer must pay the bill under protest to avoid discontinuance of service. Protests will be addressed to the Director of Finance, must be in writing, and must state the reasons why the charges are believed to be incorrect. The Director of Finance will analyze the facts of the case and is authorized to make such adjustments in the charges as may be necessary to effect an equitable settlement. Failure of a customer to pay under protest after initial explanation is offered will result in discontinuance of service without further notice if bill is not paid by the delinquency date.
- C. Delinquency Penalties and Charges: In the event a utility bill is not paid on or before the tenth day after the bill becomes delinquent, on the eleventh day, the following fees, in the amount of \$25, in addition to the amount of the utility bill, shall be charged:



1. For the first such delinquency in a twelve (12) month period, five and no/100ths dollars (\$5.00);
2. For the second such delinquency in a twelve (12) month period, fifteen and no/100ths dollars (\$15.00); and
3. For the third such delinquency in a twelve (12) month period, twenty-five and no/100ths dollars (\$25.00), plus a deposit as required by Section 7-7B-3(B).
4. A fee of twenty-five and no/100ths dollars (\$25.00) shall be charged on all returned checks in payment of utility charges.

D. Accounts shall be subject to collection of any delinquent fees and charges in the following manner:

1. At the time the fees become delinquent and until such time they are fully paid, the delinquent account balance, including late charges, shall constitute an unrecorded lien against the property and, as such, may be identified during a title search. For commercial businesses, delinquent account balances, including late charges, may be considered an unrecorded lien against the business name and/or owner of the business.
2. Once a year there may be prepared a report of delinquent fees including late charges. The City Council shall fix a time, date and place for hearing the report and receive any objections or protests thereto.
3. The City Council shall cause notice of hearing to be mailed to the landowners listed on the report not less than fifteen (15) days prior to the date of the hearing.
4. At the hearing, the City Council shall hear any objections or protests of landowners liable to be assessed for delinquent fees including late charges and administrative fees, as set by resolution of the City Council. The City Council may make revisions or corrections to the report as it deems just, after which, by resolution, the report shall be confirmed.
5. The delinquent fees set forth in the report as confirmed shall constitute special assessments against the respective parcels of land and are a lien on the property for the amount of such delinquent fees, including late charges. A certified copy of the resolution confirming the assessments shall be filed with the County Recorder and the County Auditor-Controller/Tax Collector for the amounts of the respective assessments against the respective parcels as they appear on the current assessment roll. The lien created attaches upon filing. The assessments shall be collected at the same time and in the same manner as other property taxes and shall be subject to the same penalties and the same procedure and sale in case of delinquency as provided for such taxes. All laws applicable to the levy, collection and enforcement of property taxes shall be applicable to such assessments.

However, if, for the first year for which the charges are prescribed, the property served by the City has been transferred or conveyed to a bona fide purchaser for value, and attached thereon, prior to the date on which the first installment of County taxes would become delinquent, the charge will not result in a lien against the real property, but shall become transferred to the unsecured roll for collection.

- E. Such delinquent accounts, unpaid deposits and penalties thereon shall constitute a debt due to the City for which the City may bring suit in any competent civil court against the person or persons who occupied or, in the case of unoccupied property, who owned the property when the service was rendered or the deposit became due or against any person guaranteeing payment of bills, or against any or all of said persons, for the collection of the amount of the deposit or the collection of delinquent charges or accounts and all penalties thereon.

**SECTION 4.** This Ordinance shall take effect 30 days after its adoption.

**SECTION 5.** The City Clerk is hereby directed to cause a summary of this Ordinance to be published by one insertion in a newspaper of general circulation in the community at least five (5) days prior to adoption and again (15) days after its adoption. If a summary of the ordinance is published, then the City Clerk shall cause a certified copy of the full text of the proposed ordinance to be posted in the office of the City Clerk at least five (5) days prior to the Council meeting at which the ordinance is adopted, and again after the meeting at which the ordinance is adopted. The summary shall be approved by the City Attorney.

The foregoing Ordinance was introduced at a regular meeting of the City Council of the City of Lemoore held on the 4<sup>th</sup> day of September 2018 and passed and adopted at a regular meeting of the City Council held on the 18<sup>th</sup> day of September 2018 by the following vote:

AYES:

NOES:

ABSTAINING:

ABSENT:

ATTEST:

APPROVED:

---

Mary J. Venegas  
City Clerk

---

Ray Madrigal  
Mayor



711 West Cinnamon Drive • Lemoore, California 93245 • (559) 924-6700 • Fax (559) 924-6708

## Staff Report

**Item No: 3-5**

**To: Lemoore City Council**

**From: Frank Rivera, Public Works Director**

**Date: September 5, 2018 Meeting Date: September 18, 2018**

**Subject: Bid Award – CIP 5203 – Test Hole Drilling and Construction of Production Well 15**

### **Strategic Initiative:**

- |  |  |
|--|--|
| <input type="checkbox"/> Safe & Vibrant Community            | <input type="checkbox"/> Growing & Dynamic Economy         |
| <input type="checkbox"/> Fiscally Sound Government           | <input checked="" type="checkbox"/> Operational Excellence |
| <input type="checkbox"/> Community & Neighborhood Livability | <input type="checkbox"/> Not Applicable                    |

### **Proposed Motion:**

Award bid to Zim Industries in the amount of \$684,520, plus an additional \$68,500 contingency funds, and authorize the City Manager to sign the contract.

### **Subject/Discussion:**

This bid award for test hole drilling and construction is the first step in the process to construct a new Well and Storage Tank, Well 15. In order to fulfill water demand needs for existing and new commercial, industrial and residents, the City must continue to drill additional water wells. The overall project will reconfigure the existing storm drainage basin at the golf course, construct a test well, develop the well, outfit the well with pumps and construct a one million gallon water tank. This first step is the test hole drilling and construction of the well.

The well will be located on the west side of Lemoore Avenue, south of Iona and north of Idaho. The project site is abutted by a County fire station to the east, rural residential development and irrigated agricultural land to the south and a golf course and residential development to the west and north. (See Exhibit A) A hydrology study was performed and this site was identified as a good location for a potential water source.

The Engineer's Estimate for this project was \$943,563.50. Bids were opened on Thursday, August 23, 2018, with the following bids received:

<b>Bidder</b>	<b>Total Bid</b>
Zim Industries	\$684,520.00
Nor-Cal Pump & Well Drilling, Inc.	\$1,070,900.00

Staff is recommending the project be awarded to Zim Industries in the amount of \$684,520. The project will commence upon contract approval.

Resolution No. 2018-12 adopting the CEQA initial study and negative declaration for a well and storage tank, Well 15 was approved by City Council on March 20, 2018.

**Financial Consideration(s):**

CIP 5203 has \$3,460,000 budgeted for the entire construction of Well 15.

**Alternatives or Pros/Cons:**

Pros:

- Ensure adequate water supply to fulfill water demand needs current and future.

Cons:

- None noted.

**Commission/Board Recommendation:**

Not applicable.

**Staff Recommendation:**

Staff recommends that City Council award the bid for the Test Hole Drilling and Construction of Production Well 15 Project per bid specifications to Zim Industries, in the amount of \$684,520 and authorize the City Manager to sign the contract. Staff also recommends that City Council approve an additional \$68,500 for contingency funds.

**Attachments:**

- Resolution:
- Ordinance:
- Map
- Contract
- Other
  - List: Agreement Exhibit
  - Proposal Summary
  - Recommendation
  - Zim Proposal

**Review:**

- Asst. City Manager
- City Attorney
- City Clerk
- City Manger
- Finance

**Date:**

- 09/11/18
- 09/12/18
- 09/13/18
- 09/12/18
- 09/12/18

## **AGREEMENT**

THIS AGREEMENT, entered into by and between Zim Industries, Inc. hereinafter referred to as “Contractor”, and the City of Lemoore, hereinafter referred to as “the City;”

### **WITNESSETH:**

WHEREAS, the City Council of said City has awarded a contract in the amount of \$684,520.00, for performing the work hereinafter mentioned in accordance with the sealed bid of said Contractor.

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

**A.     SCOPE OF WORK**

The Contractor shall perform all the work, and furnish all the labor, materials, equipment, and all utility and transportation services required to complete all of the work of construction and installation of the improvements at the time and in the manner provided in accordance with the Plans, Bid, Special Provisions, Contract Documents, and Specifications for the **TEST HOLE DRILLING AND CONSTRUCTION OF PRODUCTION WELL NO. 15** in the City of Lemoore and the County of Kings for the City of Lemoore, the items, quantities, and compensation for which are set forth in the Contractor’s bid therefore on file in the office of the City Manager of said City, and which by reference are made a part of this agreement.

**B.     COMPONENT PARTS**

This Contract shall consist of the following documents, each of which is on file in the office of the City Manager of said City, and all of which are incorporated herein and made a part hereof by reference:

1. This agreement
2. Notice Inviting Sealed Bids
3. Accepted Bid Proposal Form
4. Specifications
5. Performance Bond
6. Labor and Materials Bond
7. Certification of compliance with State Labor Code Section 3700
8. Plans, Profiles, Detailed Drawings, Specifications, Special Provisions, and any Modifications to aforesaid prior to execution of this agreement.

**C. TIME OF PERFORMANCE**

The Contractor shall begin work within ten (10) consecutive calendar days after execution of the contract by the City and receipt of the *Notice to Proceed* from the City. Time of completion for the work shall be one hundred twenty (120) working days from (a) the date of commencement of the work as established in the City's Notice to Proceed, or (b) if no other date is established in a Notice to Proceed from City, the date of Contractor's actual commencement of the Work (including mobilization).

Liquidated damages will accrue and may be assessed as provided in the Contract Documents. Should said work not be completed within the time limit as may be extended as herein provided, damages will be sustained by the City. It is understood and agreed that it is and will be impracticable or extremely difficult to determine the actual amount of damages which the City will sustain in the event of and by reason of such delay, and it is therefore agreed that the Contractor will pay the City the sum of One Thousand (\$1,000) per calendar day for each and every day's delay beyond the time specified as and for liquidated damages, during or as a result of each calendar day by which completion of the project is delayed beyond the completion date; in case the Contractor fails to make such payment, the City may deduct the amount thereof from any money due or that may become due the Contractor under the Contract. Should such money not be sufficient, the City shall have the right to recover the balance from the Contractor or its sureties. The work shall be completed within the times set forth in the Special Provisions. Time is of the essence, and forfeiture due to delay will be assessed the Contractor as provided for in the Supplementary Conditions.

**D. PAYMENTS**

Payments will be made by the City to the Contractor for said work performed at the times and in the manner provided in the Specifications and at the prices stated in the Contractor's bid.

**E. ASSIGNMENT**

Contractor offers and agrees that it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under section 4 of the Clayton Act (15 U.S.C., Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the Contract.

**F. CHANGES**

Changes in this agreement or in the work to be done under this agreement shall be made as provided in the General Conditions.

**G. TERMINATION**

The City and Contractor may terminate this agreement as provided in the General Conditions.

**H. PREVAILING WAGES**

The project is a public work, the work shall be performed as a public work and pursuant to the General Conditions.

**I. TAXES AND LICENSES**

The Contractor agrees to pay all taxes, licenses, and fees levied or assessed by any governmental agency on Contractor incident to the performance of work pursuant to this agreement, and unemployment compensation insurance, social security, or any other taxes upon the wages of Contractor, its employees, agents, and representatives. Contractor agrees to obtain and renew an annual business license from City throughout the term of the agreement and pay the applicable annual business license fee to City in accordance with Lemoore Municipal Code Section 3-1A-1-3.

**J. INDEMNIFICATION AND INSURANCE**

The Contractor will defend, indemnify and hold harmless the City, its governing board, officers, agents, trustees, employees and others as provided in the General Conditions.

By this statement the Contractor represents that it has secured the payment of Workers' Compensation in compliance with the provisions of the Labor Code of the State of California and during the performance of the work contemplated herein will continue so to comply with said provisions of said Code. The Contractor shall supply the City with certificates of insurance evidencing that Workers' Compensation Insurance is in effect and providing that the City will receive thirty (30) days' notice of cancellation.

Contractor shall provide the insurance set forth in the General Conditions.

**K. ATTORNEY'S FEES**

If either of the parties to this agreement brings any legal action or seeks arbitration regarding any provision of this agreement, the prevailing party in the litigation or arbitration shall be entitled to recover reasonable attorney's fees from the other party, in addition to any other relief that may be granted. This provision applies to the entire agreement.

**L. AMENDMENTS**

This agreement, and all corresponding attachments, constitutes the entire agreement between the parties relating to the Work, and supersedes any prior or contemporaneous agreement between the parties, oral or written, including the City's award of the agreement to Contractor, unless such agreement is expressly incorporated herein. The City makes no representations or warranties, express or implied, not specified in the Contract. The agreement is intended as the complete and exclusive statement of the parties' agreement pursuant to California Code of Civil Procedure section 1856. The terms of the agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever except by written agreement signed by the parties and approved or ratified by the Governing Board.

**M. WRITTEN NOTICE**

Written notice shall be deemed to have been duly served if delivered in person to the individual or member of the firm or to an officer of the corporation for whom it was intended, or if delivered at or sent by registered or certified or overnight mail to the last business address known to the person who gives the notice.

**N. BINDING EFFECT**

Contractor, by execution of this Agreement, acknowledges that Contractor has read this Agreement and the other Contract Documents, understands them, and agrees to be bound by their terms and conditions. The Contract shall inure to the benefit of and shall be binding upon the Contractor and the City and their respective successors and assigns.

This agreement is made and executed in duplicate and either copy shall, for all purposes, be deemed an original.

IN WITNESS WHEREOF, The City of Lemoore has caused these presents to be executed by its officers thereunto duly authorized, and the Contractor has subscribed same.

Dated: \_\_\_\_\_, 20\_\_\_\_  
\_\_\_\_\_ Contractor

By: \_\_\_\_\_  
\_\_\_\_\_

(Seal if Corporation)

**CITY OF LEMOORE**

Dated: \_\_\_\_\_, 20\_\_\_\_

By: \_\_\_\_\_  
City Manager

Attest: \_\_\_\_\_  
City Clerk



**CORPORATE CERTIFICATE**

I, \_\_\_\_\_, certify that I am the \_\_\_\_\_ Secretary of the Corporation named as CONTRACTOR in the forgoing agreement; that \_\_\_\_\_, who signed said agreement on behalf of CONTRACTOR was then \_\_\_\_\_ of said corporation, and that said agreement was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Secretary

**(CORPORATE SEAL)**

**PERFORMANCE BOND (100% OF CONTRACT PRICE)**

KNOWN ALL MEN BY THESE PRESENTS, that \_\_\_\_\_,  
as Principal, and \_\_\_\_\_, as Surety  
are hereby held and firmly bound unto the City of Lemoore as Owner in the penal sum of \_\_\_\_\_,  
for the payment  
of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors,  
administrators, successors, and assigns.

WHEREAS, the City Council of the City of Lemoore, at its regular meeting of \_\_\_\_\_  
has awarded to Principal a contract for the **TEST HOLE DRILLING AND CONSTRUCTION OF  
PRODUCTION WELL NO. 15** in the City of Lemoore for the City of Lemoore, and,

WHEREAS, said Principal is required under the terms of said contact to provide a bond for the faithful  
performance of said contract.

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above-bonded  
Principal, his or its heirs, executors, administrators, successors, or assigns, shall in all things stand to and  
abide by, and will truly keep and perform the covenants, conditions and agreements in said contract and  
any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time of  
the contract and during a one-year warranty period and in the manner therein specified, and in all respects  
according to their true intent and meaning, and shall indemnify and save harmless the Obligee, its officers,  
and agents, as therein stipulated, then this obligation shall become null and void; otherwise, it shall remain  
in full force and virtue.

And the said Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and  
its bond shall in no way be impaired or affected by any extension of time within which the City may accept  
such bid; and said Surety does hereby waive notice of any such extension.

**PERFORMANCE BOND, PAGE TWO**

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by corporate officers, to three (3) identical counterparts, each of which shall for all purposes be deemed an original thereof, the day and year first set forth below.

Executed on \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
*Principal*

*(Seal if Corporation)*

By: \_\_\_\_\_

Title: \_\_\_\_\_

*(Attach Acknowledgement of Authorized Representative of Principal)*

Any claims under this bond may be addressed to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(name and address of Surety)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(name and address of Surety's agent for services and process in California, if different from above)

\_\_\_\_\_

(telephone number of Surety's agent in California, if different from above)

*(Attach Acknowledgement)*

\_\_\_\_\_  
*Surety*

\_\_\_\_\_  
*Attorney-in-Fact*

**NOTICE:** No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service and process in California. Certified copy of Power of Attorney must be attached.

**LABOR AND MATERIALS BOND**  
**(100% OF CONTRACT PRICE)**

KNOWN ALL MEN BY THESE PRESENTS, that \_\_\_\_\_,  
as Principal, and \_\_\_\_\_, as Surety  
are hereby held and firmly bound unto the City of Lemoore as Owner in the penal sum of \_\_\_\_\_,  
for the payment  
of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors,  
administrators, successors, and assigns.

WHEREAS, the City Council of the City of Lemoore, at its regular meeting of \_\_\_\_\_  
has awarded to Principal a contract for the **TEST HOLE DRILLING AND CONSTRUCTION OF  
PRODUCTION WELL NO. 15** in the City of Lemoore for the City of Lemoore, and,

WHEREAS, said Principal is required under the terms of said contact to provide a bond for the faithful  
performance of said contract.

NOW THEREFORE, the condition of this obligation is such, that if the above-bonded Principal and all  
subcontractors to whom any portion of the work provided for in said contract is sublet, his or its heirs,  
executors, administrators, successors, or assigns, shall promptly make payment for all labor performed and  
services rendered and materials furnished in the performance of the work provided for in said contract, then  
the above obligation shall be null and void; otherwise to remain in full force and virtue. PROVIDED,  
however, that this bond is subject to the following conditions and limitations:

- a. All persons who have performed labor or rendered services or furnished materials as aforesaid shall  
have a direct right of action against the Principal and Surety on this bond, which right of action  
shall be asserted in proceedings instituted in the State in which labor was performed or services  
rendered or materials furnished (or where labor has been performed or services rendered or  
materials furnished in more than one state, then in any such state). Insofar as permitted by the laws  
of such state, such right of action shall be asserted in a proceeding instituted in the name of the  
Obligee to the use and benefit of the person instituting such action and of all other persons having  
claims hereunder, and any other person having a claim hereunder shall have the right to be made a  
part of such proceedings (but not later than six months and ninety days after the complete  
performance of said contract and final settlement thereof) and to have such claim adjudicated in  
said action and judgment rendered thereon.
- b. The Surety shall not be liable hereunder for any damages recoverable under any worker's  
compensation or employer's liability statute.
- c. In no event shall the Surety be liable for a greater sum than the penalty of this bond, or subject to  
any suit, action, or proceeding thereof, and the alteration or addition to the terms of the contract, or  
to the work to be performed there under or the Specifications accompanying the same shall not in  
any way affect its obligations of this bond, and it does hereby waive notice of any such change,  
extension of time, alteration, or addition to the terms of the contract, or the work or the  
Specifications.

**LABOR AND MATERIALS BOND, PAGE TWO**

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by corporate officers, to three (3) identical counterparts, each of which shall for all purposes be deemed an original thereof, the day and year first set forth below.

Executed on \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
*Principal*

*(Seal if Corporation)*

By: \_\_\_\_\_

Title: \_\_\_\_\_

*(Attach Acknowledgement of Authorized Representative of Principal)*

Any claims under this bond may be addressed to:

\_\_\_\_\_  
\_\_\_\_\_

(name and address of Surety)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(name and address of Surety's agent for services and process in California, if different from above)

\_\_\_\_\_

(telephone number of Surety's agent in California, if different from above)

*(Attach Acknowledgement)*

\_\_\_\_\_  
*Surety*

\_\_\_\_\_  
*Attorney-in-Fact*

**NOTICE:** No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service and process in California. Certified copy of Power of Attorney must be attached.

**CERTIFICATE OF INSURANCE  
TO  
CITY OF LEMOORE  
Lemoore, California**

Only this Certificate  
of Insurance Form  
will be Accepted

This certifies to the City that the following described policies have been issued to the insured named below and are in force at this time.

Insured \_\_\_\_\_  
Address \_\_\_\_\_

Description of operations/locations/products insured (show contract name and/or number, if any) \_\_\_\_\_

POLICIES AND INSURERS	LIMITS	POLICY NUMBER	EXPIRATION DATE
°WORKERS COMPENSATION  (Insurer) _____ Best's Rating _____	Employers Liability  \$ _____		
°GENERAL LIABILITY  Check Policy Type: <input type="checkbox"/> Comprehensive Or <input type="checkbox"/> Commercial  Check Coverage Type: <input type="checkbox"/> "Claims-Made" -or- <input type="checkbox"/> "Occurrence"  (Insurer) _____ Best's Rating _____	Comprehensive General Liability  Each Occurrence \$ _____  Aggregate \$ _____  Commercial General Liability  Each Occurrence \$ _____  General Aggregate, either: per project/location \$ _____ -or- twice occurrence limit \$ _____		
°BUSINESS AUTO POLICY  Liability Coverage Symbol _____  (Insurer) _____ Best's Rating _____	Each Person \$ _____  Each Accident \$ _____  Each Accident, Property Damage \$ _____ -or- Combine Single Limit \$ _____		
°UMBRELLA LIABILITY Check Coverage Type: <input type="checkbox"/> "Claims-Made" -or- <input type="checkbox"/> "Occurrence"  (Insurer) _____ Best's Rating _____	Occurrence/Aggregate  \$ _____  Self-Insured Retention  \$ _____		

NOTE: If commercial general liability insurance is used or if aggregate limits are endorsed to the comprehensive general liability policy form, the general aggregate must apply per location./project or the aggregate limit must be at least twice the occurrence limit.

<b>THE FOLLOWING ARE IN EFFECT:</b>	<b>Yes</b>	<b>NO</b>
The City, the Engineer, their officials, officers, employees, and volunteers are named on all liability policies described above as Insured as respect: (a) activities performed for the City by or on behalf of the named Insured, (b) products and completed operations of the Named Insured, and (c) any premises owned, leased, or used by the Named Insured.		
Products and Completed Operations		
The undersigned will mail to the City 30 days' written notice of cancellation or reduction of coverage of limits.		
Cross Liability Clause (or equivalent wording)		
Personal Injury, Perils A,B and C		
Broad Form Property Damage		
X, C, U Hazards Included		
Contractual Liability Coverage applying to this Contract		
Liquor Liability		
Coverage afforded the City, the Engineer, their officials, officers employees, and volunteers as Insured applies primary and not excess or contributing to any insurance issued in the name of the City.		
Waiver of Subrogation from Worker's Compensation insurer.		

This certificate is issued as a matter of information. This certificate is not an insurance policy and does not amend, extend, or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, condition, of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions, and conditions of such policies.

<i>Insurance Agency or Brokerage</i>	<i>Insurance Company</i>
<i>Address</i>	<i>Home Office</i>
<i>City                      State                      Zip</i>	<i>Authorized Signature                      Date</i>
<i>Name of Person to be contacted</i>	<p>Note: Authorized signature may be agent's if agent has placed insurance through an agency agreement with the insurer. If insurance is brokered, authorized signature must be that of official of insurer.</p>
<i>Telephone</i>	

**WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY  
SPECIAL ENDORSEMENT  
FOR CITY OF LEMOORE (the "Entity")**

**SUBMIT IN TRIPLICATE**

ENDORSEMENT NO.

ISSUE DATE (MMDDYY)

PRODUCER

Telephone

NAMED INSURED

CLAIMS: Underwriter's representative for claims pursuant to this insurance.

Name:

Address:

Telephone:

( )

POLICY INFORMATION:

Insurance Company:

Policy No.:

Policy Period: (from)

(to)

OTHER PROVISIONS

EMPLOYER'S LIABILITY LIMITS

\$ \_\_\_\_\_ (Each Accident)

\$ \_\_\_\_\_ (Disease - Policy Limit)

\$ \_\_\_\_\_ (Disease - Each Employee)

In consideration of the premium charges and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows:

1. CANCELLATION NOTICE. This insurance shall not be canceled, or materially reduced in coverage or limits except after thirty (30) days prior written notice by receipted delivery has been given to the Entity.
2. WAIVER OF SUBROGATION. The Insurance Company agrees to waive all rights of subrogation against the Entity, its officers, officials, employees and volunteers for losses paid under the terms of this policy which arise from the work performed by the Named Insured for the Entity.

Except as stated above nothing herein shall be held to waive, alter or extend any of the limits conditions, agreements or exclusions of the policy to which this endorsement is attached.

**ENDORSEMENT HOLDER**

ENTITY

**CITY OF LEMOORE  
711 W. CINNAMON DRIVE  
LEMOORE, CA 93245**

**Attention: City Manager**

AUTHORIZED  Broker/Agent  Underwriter

REPRESENTATIVE

I, \_\_\_\_\_ (print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereby do so bind this company to this endorsement.

*Signature*

\_\_\_\_\_  
(original signature required)

Telephone ( )

Date Signed



**GENERAL LIABILITY SPECIAL ENDORSEMENT**

**SUBMIT IN TRIPLICATE**

**FOR** CITY OF LEMOORE (the "Entity")

ENDORSEMENT NO. \_\_\_\_\_

ISSUE DATE (MMDDYY) \_\_\_\_\_

PRODUCER

**POLICY INFORMATION:**

Insurance Company: \_\_\_\_\_

Policy No.: \_\_\_\_\_

Policy Permit: (from) \_\_\_\_\_ (to) \_\_\_\_\_

Deductible  Self-Insured Retention (check which) of \$ \_\_\_\_\_

NAMED INSURED

**APPLICABILITY.** This insurance pertains to the operations and/or tenancy of the named insured under all written agreements and permits in force with the Entity unless checked here  in which case only the following specific agreements and permits with the Entity are covered:  
ENTITY AGREEMENTS/PERMITS

TYPE OF INSURANCE

LIMIT OF LIABILITY

OTHER PROVISIONS

\$ \_\_\_\_\_ per accident, for bodily injury and property damage.

LOSS ADJUSTMENT EXPENSE  INCLUDED IN LIMITS

IN ADDITION TO LIMITS

**CLAIMS:** Underwriter's representative for claims pursuant to this insurance.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: ( \_\_\_\_\_ ) \_\_\_\_\_

In consideration of the premium charges and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows:

1. **INSURED.** The Entity, its elected or appointed officers, agents, volunteers and employees are included as insureds.
2. **CONTRIBUTION NOT REQUIRED.** As respects work performed by the Named Insured for or on behalf of the Entity; the insurance afforded by this policy (a) be primary insurance as respects the Entity, its elected or appointed officers, officials, employees or volunteers; or (b) stand in an unbroken chain of coverage excess of the Named Insurer's scheduled underlying primary coverage. Any other insurance maintained by the Entity, its elected or appointed officers, officials, employees or volunteers shall be in excess of this insurance and shall not contribute with it.
3. **CANCELLATION NOTICE.** With respect to the interests of the Entity, this insurance shall not be canceled, except after thirty (30) days prior written notice by receipted delivery has been given to the Entity.
4. **SCOPE OF COVERAGE.** This policy, if primary, affords coverage at least as broad as:
  - (1) Insurance Services Office Commercial General Liability Coverage, "occurrence" form CG 0001 (Ed. 11/88); or
  - (2) If excess, affords coverage which is at least as broad as the primary insurance form referenced in the preceding section (1).

Except as stated above nothing herein shall be held to waive, alter or extend any of the limits conditions, agreements or exclusions of the policy to which this endorsement is attached.

**ENDORSEMENT HOLDER**

ENTITY

**CITY OF LEMOORE  
711 W. CINNAMON DRIVE  
LEMOORE, CA 93245**

**Attention: City Manager**

AUTHORIZED  Broker/Agent  Underwriter  \_\_\_\_\_  
REPRESENTATIVE

I, \_\_\_\_\_ (print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereby do so bind this company to this endorsement.

Signature \_\_\_\_\_  
(original signature required)

Telephone ( \_\_\_\_\_ ) \_\_\_\_\_

Date Signed \_\_\_\_\_

**AUTOMOBILE LIABILITY SPECIAL ENDORSEMENT**

**SUBMIT IN TRIPLICATE**

**FOR** CITY OF LEMOORE (the "Entity")

ENDORSEMENT NO.

ISSUE DATE (MMDDYY)

<p>PRODUCER</p>	<p><b>POLICY INFORMATION:</b>                  Insurance Company:                  Policy No.:                  Policy Period: (from) _____ (to) _____</p> <p><input type="checkbox"/> Deductible <input type="checkbox"/> Self-Insured Retention (check which) of \$ _____</p>
<p>NAMED INSURED</p>	<p><b>APPLICABILITY,</b> This insurance pertains to the operations and/or tenancy of the named insured under all written agreements and permits in force with the Entity unless checked here <input type="checkbox"/> in which case only the following specific agreements and permits with the Entity are covered:                  ENTITY AGREEMENTS/PERMITS</p>
<p><b>TYPE OF INSURANCE</b></p> <p><input type="checkbox"/> Commercial Auto Policy  <input type="checkbox"/> Business Auto Policy  <input type="checkbox"/> Other _____</p>	<p><b>OTHER PROVISIONS</b></p>
<p><b>LIMIT OF LIABILITY</b></p> <p>\$ _____ per accident, for bodily injury and property damage.                  LOSS ADJUSTMENT EXPENSE <input type="checkbox"/> INCLUDED IN LIMITS  <input type="checkbox"/> IN ADDITION TO LIMITS</p>	<p><b>CLAIMS:</b> Underwriter's representative for claims pursuant to this insurance.                  Name: _____                  Address: _____                  Telephone: ( _____ ) _____</p>
<p>In consideration of the premium charges and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows:</p> <ol style="list-style-type: none"> <li>1. <b>INSURED.</b> The Entity, its elected or appointed officers, agents, volunteers and employees are included as insureds with regard to damages and defense of suits arising from the ownership, operations, maintenance, use, loading or unloading of any auto owned, leased, hired, or borrowed by the Named Insured, for which the Named Insured is responsible.</li> <li>2. <b>CONTRIBUTION NOT REQUIRED.</b> As respects work performed by the Named Insured for or on behalf of the Entity; the insurance afforded by this policy shall: a) be primary insurance as respects the Entity, its elected or appointed officers, officials, employees or volunteers; or b) stand in an unbroken chain of coverage excess of the Named Insurer's scheduled underlying primary coverage. Any other insurance maintained by the Entity, its elected or appointed officers, officials, employees or volunteers shall be in excess of this insurance and shall not contribute with it.</li> <li>3. <b>CANCELLATION NOTICE.</b> With respect to the interests of the Entity, this insurance shall not be canceled, except after thirty (30) days prior written notice by receipted delivery has been given to the Entity.</li> <li>4. <b>SCOPE OF COVERAGE.</b> This policy, if primary, affords coverage at least as broad as:                         <ol style="list-style-type: none"> <li>(1) Insurance Services Office form number CA 0001 (Ed. 6/92), Code 1 ("any auto"); or</li> <li>(2) If excess, affords coverage which is at least as broad as the primary insurance form referenced in the preceding section (1).</li> </ol> </li> </ol> <p>Except as stated above nothing herein shall be held to waive, alter or extend any of the limits conditions, agreements or exclusions of the policy to which this endorsement is attached.</p>	
<p><b>ENDORSEMENT HOLDER</b></p>	
<p>ENTITY</p> <p><b>CITY OF LEMOORE</b>  <b>711 W. CINNAMON DRIVE</b>  <b>LEMOORE, CA 93245</b></p> <p><b>Attention: City Manager</b></p>	<p><b>AUTHORIZED REPRESENTATIVE</b> <input type="checkbox"/> Broker/Agent <input type="checkbox"/> Underwriter <input type="checkbox"/> _____</p> <p>I, _____ (print/type name), warrant that I have authority to bind the above-mentioned insurance company and by my signature hereby do so bind this company to this endorsement.</p> <p><i>Signature</i> _____ <i>(original signature required)</i></p> <p>Telephone ( _____ ) _____ Date Signed _____</p>

**NOTICE OF AWARD**

TO: Zim Industries, Inc.  
4532 E. Jefferson  
Fresno, CA 93725  
(559) 834-1551

PROJECT Description:

**TEST HOLE DRILLING AND CONSTRUCTION OF PRODUCTION WELL NO. 15**

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for BIDS dated July 19, 2018 and July 26, 2018. You are hereby notified that your BID has been accepted for items in the amount of \$684,520.00.

You are required by the Information for BIDDERS to execute the Agreement and furnish the required CONTRACTOR's Performance BOND, Payment BOND and certificates of insurance within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS within (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 18th day of September 2018.

Owner City of Lemoore

By \_\_\_\_\_ Title City Engineer  
Joel R. Joyner, P.E., PLS

**ACCEPTANCE OF NOTICE**

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

\_\_\_\_\_  
(Contractor

this, the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

By \_\_\_\_\_ Title \_\_\_\_\_

**NOTICE TO PROCEED**

TO: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PROJECT Description:

**TEST HOLE DRILLING AND CONSTRUCTION OF PRODUCTION WELL NO. 15**

You are hereby notified to commence WORK in accordance with the Agreement dated \_\_\_\_\_, on or before \_\_\_\_\_ and you are to complete the WORK within 120 consecutive working days thereafter. The date of completion of all WORK is therefore \_\_\_\_\_.

CITY OF LEMOORE  
Owner

By \_\_\_\_\_  
Joel R. Joyner, P.E., PLS

Title City Engineer

**TEST HOLE DRILLING AND CONSTRUCTION OF PRODUCTION WELL NO. 15**

**ACCEPTANCE OF NOTICE**

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by

\_\_\_\_\_  
(Contractor)

this, the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

By \_\_\_\_\_  
(Signature)

Title \_\_\_\_\_  
(Please Type)

Employer Tax Identification Number:

\_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_

Fax Number ( ) \_\_\_\_\_



Exhibit A  
Project Site



**Test Hole Drilling and Construction  
of Production Well No. 15**

NAME & ADDRESS OF BIDDER				Zim Industries 4532 E Jefferson Fresno, CA 93725		Nor-California Pump & Well Drilling 1325 Barry Road Yuba City, C 95993		Engineer's Estimate	
Item	Approx Qty	Unit	Description	Unit Price	Total \$	Unit Price	Total \$	Unit Price	Total \$
1.	L.S.	L.S.	Mobilization and Demobilization	34,000.00	\$ 34,000.00	47090	\$ 47,090.00	47250	\$ 47,250.00
2.	L.S.	L.S.	Clearing and Grubbing	21,500.00	\$ 21,500.00	10000	\$ 10,000.00	15000	\$ 15,000.00
3.	100	V.F.	36", 0.312" Wall Low Carbon Steel Conductor Casing	500.00	\$ 50,000.00	950	\$ 95,000.00	\$600.00	\$ 60,000.00
4.	1200	V.F.	Drilling of Test Hole to 17.5" diameter	80.00	\$ 96,000.00	200	\$ 240,000.00	\$100.00	\$ 120,000.00
5.	L.S.	L.S.	Geophysical Logging for Test Hole	3,800.00	\$ 3,800.00	2950	\$ 2,950.00	3500	\$ 3,500.00
6.	L.S.	L.S.	Mechanical Logs for Test Hole	4,000.00	\$ 4,000.00	2950	\$ 2,950.00	3500	\$ 3,500.00
7.	30	EA.	Wireline Sidewall Core Samples	600.00	\$ 18,000.00	993	\$ 29,790.00	\$500.00	\$ 15,000.00
8.	3	EA.	Zone Tests	8,600.00	\$ 25,800.00	14700	\$ 44,100.00	\$7,500.00	\$ 22,500.00
9.	1200	V.F.	Ream Test Hole	50.00	\$ 60,000.00	50	\$ 60,000.00	\$60.00	\$ 72,000.00
10.	900	V.F.	16" I.D., 0.50" Wall Low Carbon Steel Blank Well Casing	125.00	\$ 112,500.00	125	\$ 112,500.00	\$95.00	\$ 85,500.00
11.	1	V.F.	14" OD 304SS Bullnose	800.00	\$ 800.00	950	\$ 950.00	\$2,000.00	\$ 2,000.00
12.	120	V.F.	14" OD 304 Stainless Steel Well Screen	230.00	\$ 27,600.00	200	\$ 24,000.00	\$350.00	\$ 42,000.00
13.	44	V.F.	14"OD 304SS Blank Casing, 0.312 wall thickness	280.00	\$ 12,320.00	330	\$ 14,520.00	\$90.00	\$ 3,960.00
14.	2	EA.	14" OD 304SS "K" Packer Assembly	1,000.00	\$ 2,000.00	3850	\$ 7,700.00	\$5,000.00	\$ 10,000.00
15.	1	EA.	14" OD 304SS "J" Hook Assembly	2,400.00	\$ 2,400.00	3850	\$ 3,850.00	2500	\$ 2,500.00
16.	600	L.F.	2" I.D., Steel Sounding Tube with sounding box	11.00	\$ 6,600.00	14	\$ 8,400.00	25	\$ 15,000.00
17.	950	L.F.	3" ID, Steel Gravel Tube	13.00	\$ 12,350.00	25	\$ 23,750.00	35	\$ 33,250.00
18.	16	TON	8x16 Ogleby Norton Industrial Sand for Gravel/ Envelope	700.00	\$ 11,200.00	975	\$ 15,600.00	450	\$ 7,200.00
19.	95	C.Y.	11-sack Sand Cement Grout Annular Seals	350.00	\$ 33,250.00	460	\$ 43,700.00	75	\$ 7,125.00
20.	10	L.F.	Baroid 3/8" Holeplug or Approved Equal	150.00	\$ 1,500.00	460	\$ 4,600.00	150	\$ 1,500.00
21.	40	Hrs.	Initial Well Development	450.00	\$ 18,000.00	650	\$ 26,000.00	750	\$ 30,000.00
22.	40	Hrs.	Final Well Development	300.00	\$ 12,000.00	350	\$ 14,000.00	750	\$ 30,000.00
23.	L.S.	L.S.	Aquifer Testing	24,600.00	\$ 24,600.00	25200	\$ 25,200.00	15000	\$ 15,000.00
24.	L.S.	L.S.	Well Report	300.00	\$ 300.00	1200	\$ 1,200.00	5000	\$ 5,000.00
25.	L.S.	L.S.	Well Disinfection and Cap	3,000.00	\$ 3,000.00	2350	\$ 2,350.00	15000	\$ 15,000.00
26.	L.S.	L.S.	Video Camera Survey	2,000.00	\$ 2,000.00	2000	\$ 2,000.00	2500	\$ 2,500.00
27.	L.S.	L.S.	Plumbness and Alignment Survey	2,900.00	\$ 2,900.00	3950	\$ 3,950.00	6500	\$ 6,500.00
28.	L.S.	L.S.	Construct Earth Berm	25,000.00	\$ 25,000.00	14750	\$ 14,750.00	35000	\$ 35,000.00
29.	L.S.	L.S.	Develop Water Supply	4,100.00	\$ 4,100.00	95000	\$ 95,000.00	7500	\$ 7,500.00
30.	950	L.F.	Sound Attenuation	60.00	\$ 57,000.00	100	\$ 95,000.00	150	\$ 142,500.00
	1	10%	Contingencies						\$ 85,778.50
<b>TOTAL BID</b>					\$ 684,520.00		\$ 1,070,900.00		\$ 943,563.50



August 24, 2018

Frank Rivera  
Public Works Director  
City of Lemoore  
711 W. Cinnamon Drive  
Lemoore, CA 93245

Re: Test Hole Drilling and Construction of Production Well 15

Dear Mr. Rivera:

Bids for the City’s Test Hole Drilling and Construction of Production Well 15 project were opened on August 23, 2018. The lowest bid received was from Zim Industries, Inc., in the amount of \$684,520.00.

The second lowest bid received was from Nor-Cal Pump & Well Drilling, Inc., in the amount of \$1,070,900.00. The bids received are listed below along with the Engineer’s Estimate:

Zim Industries, Inc.	\$684,520.00
Nor-Cal Pump & Well Drilling, Inc.	\$1,070,900.00
Engineer’s Estimate	\$943,563.50

Zim Industries, Inc. submitted a bid that was complete and in order, making them the lowest responsive bidder. Their license is current, DIR registration is current, but they did not indicate they had a current City of Lemoore Business License. Their subcontractor, Schlumberger Technology Corporation, is not currently registered with the DIR as a Public Works Contractor which must happen prior to contract execution.

Pending sufficient funds, it is recommended that the City Council award the contract to the lowest responsive bidder, Zim Industries, Inc., for the Base Bid amount of \$684,520.00.

Sincerely,

Joel R. Joyner, P.E., PLS  
City Engineer

Enclosures: Bid Proposal Summary

*L:\Projects\2016\LI60238\ENGINEERING\Specs\Bid docs\20180824 Recommend ltr to City.docx*

**BID PROPOSAL TO THE  
CITY COUNCIL  
CITY OF LEMOORE  
KINGS COUNTY, CALIFORNIA  
FOR  
TEST HOLE DRILLING AND CONSTRUCTION  
OF PRODUCTION WELL NO. 15**

BID OF Zim Industries, Inc. (hereinafter called "Bidder")  
organized and existing under the laws of the State of California, doing business as  
a corporation.  
\* Insert "a corporation," "a partnership," or "an individual" as applicable.

TO: The City Council, City of Lemoore  
(Hereinafter called "City")

The undersigned, as bidder, declares that he has carefully examined the location of the proposed work, that he has thoroughly examined all the Contract Documents and Plans, and that this bid is made without collusion with any other person, firm, or corporation, and that all laws and ordinances relating to the interest of public officers in the contract have been complied with in every respect; AND he proposes and agrees, if this bid is accepted, that he will contract with the City in the form of contract contained herein to provide all necessary machinery, tools, equipment, and other means of construction, and to furnish all materials and provide superintendence, overhead expenses, and all labor and expenses of whatever nature to construct the work in accordance with the Plans and the detailed Specifications and other contract provisions contained herein or reasonably implied thereby, or as necessary to complete the work in the manner and within the time named herein and according to the requirements and to the reasonable satisfaction of the Engineer, and to indemnify the City against any loss or damage arising from any act of the undersigned as Contractor and that he will take as full payment therefore the sum stated below.

Bidder hereby agrees to commence work under this contract on or before the date specified in the written *Notice to Proceed* from the City, and to fully complete the project within the time allotted in the Special Provisions. Bidder further agrees to forfeit and pay the City for each calendar day of delay in the completion of the project as provided for in the Special Provisions.

The undersigned understands that the quantities given are approximate only, being given as a basis for the comparison of bids, and the City of Lemoore does not, expressly or by implication, warrant that the given quantities of work will be performed but reserves the right to increase or decrease the amounts of any portion of the work, or to omit portions of the work as may deemed necessary or advisable by the Engineer, without claim for damage or loss of anticipated profit. The undersigned understands that payment will be made only on the basis of the actual quantities or work performed.

This Bid Proposal Form consists of the following:

- a. Bid Form showing unit prices and the amount bid for each item of work.
- b. Bidder's List of Subcontractors.
- c. Major Materials Suppliers Information.



- d. Equal Employment Opportunity Certificate.
- e. Public Contract Code Section 10285.1 Statement.
- f. Public Contract Code Section 10162 Statement.
- g. Public Contract Code Section 10232 Statement.
- h. Noncollusion Affidavit.
- i. Drug-free Workplace Certification.
- j. Information required of bidders.
- k. Completed Statement of Licensure.
- l. Certification of compliance of State Labor Code 3700.
- m. Bid security in the amount of ten percent (10%) of the total amount bid in accordance with the stated requirements contained in the General Conditions.
- n. Bid Certification Page.

Bidder's failure to properly complete the entire Bid Proposal Form may result in the bid being considered nonresponsive.

## BID FORM

**TO THE CITY OF LEMOORE:**

The undersigned declares that he has carefully examined the location of the proposed work, that he has carefully examined the Plans and Specifications and hereby proposes to furnish all materials and do all the work required to complete the said work in accordance with said Plans and Specifications, for the prices as listed below:

### TEST HOLE DRILLING AND CONSTRUCTION OF PRODUCTION WELL NO. 15

**BASE BID**

ITEM	QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	PRICE	TOTAL
1.	L.S.	L.S.	*Mobilization / Demobilization including bonds, permits, licenses, and fees required to perform the work, complete and in place @ <u>thirty-four thousand</u> Dollars Per Lump Sum Amount.	<u>34,000</u> /L.S.	<u>34,000</u>
2.	L.S.	L.S.	Site Clearing and Grubbing of Well #15 site, including disposal of wastes and final site cleanup @ <u>twenty-one thousand and five hundred</u> Dollars Per Lump Sum Amount	<u>21,500</u> /L.S.	<u>21,500</u>
3.	100	V.F.	Furnish and Install 36", 0.312" Wall Low Carbon Steel Conductor Casing, complete and in place @ <u>five hundred</u> Dollars Per Vertical Foot.	<u>500</u> /V.F.	<u>50,000</u>
4.	1200	V.F.	Drilling of Test Hole to 17.5" diameter, complete and in place @ <u>eighty</u> Dollars Per Vertical Foot.	<u>80</u> /V.F.	<u>96,000</u>
5.	L.S.	L.S.	Provide Geophysical Logging for Test Hole, @ <u>thirty-eight hundred</u> Dollars Per Lump Sum Amount.	<u>3,800</u> /L.S.	<u>3,800</u>
6.	L.S.	L.S.	Provide Mechanical Logs for Test Hole @ <u>four thousand</u> Dollars Per Lump Sum Amount.	<u>4,000</u> /L.S.	<u>4,000</u>

ITEM	QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	PRICE	TOTAL
7.	30	EA.	Collection of wireline Sidewall Core Samples @ <u>six hundred</u> Dollars Per Each Sample.	<u>600</u> /L.S.	<u>18,000</u>
8.	3	EA.	Zone Tests @ <u>eighty-six hundred</u> Dollars Per Each Test.	<u>8,600</u> /EA.	<u>25,800</u>
9.	1200	V.F.	Ream Test Hole to 28.0" in diameter, complete and in place @ <u>fifty</u> Dollars Per Vertical Foot.	<u>50</u> /V.F.	<u>60,000</u>
10.	900	V.F.	Furnish and Install 16" I.D., 0.50" Wall Low Carbon Steel Blank Well Casing, complete and in place @ <u>one hundred and twenty-five</u> Dollars Per Vertical Foot.	<u>125</u> /V.F.	<u>112,500</u>
11.	1	V.F.	Furnish and install 14" OD 304SS Bullnose, complete and in place @ <u>eight hundred</u> Dollars Per Vertical Foot.	<u>800</u> /V.F.	<u>800</u>
12.	120	V.F.	Furnish and Install 14" OD 304 Stainless Steel Well Screen, 0.312 wall thickness complete and in place @ <u>two hundred and thirty</u> Dollars Per Vertical Foot.	<u>230</u> /V.F.	<u>27,600</u>
13.	44	V.F.	Furnish and install 14"OD 304SS Blank Casing, 0.312 wall thickness, complete and in place @ <u>two hundred and eighty</u> Dollars Per Vertical Foot.	<u>280</u> /V.F.	<u>12,320</u>
14.	2	EA.	Furnish and Install 14" OD 304SS "K" packer assembly, complete and in place @ <u>one thousand</u> Dollars Per Each.	<u>1,000</u> /EA.	<u>2,000</u>

ITEM	QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	PRICE	TOTAL
15.	1	EA.	Furnish and install 14" OD 304SS "J" hook assembly, complete and in place @ <u>two thousand and four hundred</u> Dollars per Each.	<u>2,400</u> /EA.	<u>2,400</u>
16.	600	L.F.	Furnish and Install 2" ID, Steel Sounding Tube with sounding box, complete and in place @ <u>eleven dollars</u> Dollars per Lineal Foot.	<u>11</u> /L.F.	<u>6,600</u>
17.	950	L.F.	Furnish and Install 3" ID, Steel Gravel Tube, complete and in place @ <u>thirteen</u> Dollars per Lineal Foot.	<u>13</u> /L.F.	<u>12,350</u>
18.	16	TON	Furnish and Install 8x16 Ogleby Norton Industrial Sand for Gravel/Envelope, complete and in place @ <u>seven hundred</u> Dollars per Ton.	<u>700</u> TON	<u>11,200</u>
19.	95	C.Y.	Furnish and Install 11-sack Sand Cement Grout Annular Seals, complete and in place @ <u>three hundred and fifty</u> Dollars per Cubic Yard.	<u>350</u> /C.Y.	<u>33,250</u>
20.	10	L.F.	Furnish and Install Baroid 3/8" Holeplug or Approved Equal, complete and installed @ <u>one hundred and fifty</u> Dollars per Lineal Foot.	<u>150</u> /L.F.	<u>1,500</u>
21.	40	Hrs.	Initial Well Development, complete and in place @ <u>four hundred and fifty</u> Dollars per Hours of Work.	<u>450</u> /Hrs.	<u>18,000</u>
22.	40	Hrs.	Final Well Development, complete and in place @ <u>three hundred</u> Dollars per Hours of Work.	<u>300</u> /Hrs.	<u>12,000</u>

ITEM	QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	PRICE	TOTAL
23.	L.S.	L.S.	Aquifer Testing (10-hour-Step-Test and 72-hour Constant Rate test) @ <u>twenty four thousand and six hundred</u> Dollars per Lump Sum Amount.	<u>24,600</u> /L.S.	<u>24,600</u>
24.	L.S.	L.S.	Provide Well Report @ <u>three hundred</u> Dollars per Lump Sum Amount.	<u>300</u> /L.S.	<u>300</u>
25.	L.S.	L.S.	Provide Well Disinfection and Well Cap, complete and in place @ <u>three thousand</u> Dollars per Lump Sum Amount.	<u>3,000</u> /L.S.	<u>3,000</u>
26.	L.S.	L.S.	Provide Video Camera Survey of Well, complete and in place @ <u>two thousand</u> Dollars per Lump Sum Amount.	<u>2,000</u> /L.S.	<u>2,000</u>
27.	L.S.	L.S.	Plumbness and Alignment Survey, complete and in place @ <u>two thousand and nine hundred</u> Dollars per Lump Sum Amount.	<del>2,900</del> <sup>1500</sup> <u>2,900</u> /L.S.	<u>2,900</u>
28.	L.S.	L.S.	Construct Earth Berm, complete and in place @ <u>twenty five thousand</u> Dollars per Lump Sum Amount.	<u>25,000</u> /L.S.	<u>25,000</u>
29.	L.S.	L.S.	Develop Construction Water Supply, complete and in place @ <u>four thousand and one hundred</u> Dollars Per Lump Sum Amount.	<u>4,100</u> /L.S.	<u>4,100</u>
30.	950	L.F.	Sound Attenuation complete and in place @ <u>sixty</u> Dollars per Linear Foot	<u>60</u> /L.F.	<u>57,000</u>
<b>Total Amount of Base Bid:</b>				<u>\$ 684,520</u>	

Total Amount of Base Bid is six hundred and eighty-four thousand five hundred and twenty Dollars and zero Cents.

In the event of discrepancy between words and figures, the words shall prevail. In case of discrepancy between unit prices and totals, the unit price shall prevail.

**\* Bid Item No. 1 Mobilization shall not exceed 5% of total Base Bid.**

City of Lemoore  
Test Hole Drilling and Construction  
of Production Well No. 15

Bid Conditions

REVISED Page BC-14  
Bid Proposal Form

If written notice of the Award of Contract is mailed, faxed, or delivered to the undersigned at any time before this bid is withdrawn, the undersigned shall, within ten (10) days after the date of such mailing, faxing, or delivering of such notice, execute and deliver an agreement in the form of agreement present in these Contract Documents and give Performance and Payment Bonds in accordance with the specifications and bid as accepted.

The undersigned hereby designates as the office to which such Notice of Award of Contract may be mailed, faxed, or delivered:

Zim Industries, Inc  
4532 E Jefferson  
Fresno, Ca 93725

Bidder's Public Liability and Property Damage Insurance is placed with: Zurich American Insurance Company  
Alliant Insurance Services, Inc. Contact - Tracy Dolan  
2355 Gold Meadow Way, Suite 250 (916) 210-0317  
Gold River, CA 95670 tracy.dolan@alliant.com

Bidder's Workers' Compensation Insurance is placed with: Zurich American Insurance Company  
Alliant Insurance Services, Inc. Contact - Tracy Dolan  
2355 Gold Meadow Way, Suite 250 (916) 210-0317  
Gold River, CA 95670 tracy.dolan@alliant.com

A bidder shall not submit a bid unless the bidder's California contractor's license number appears clearly on the bid, the license expiration date and class are stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid submitted by a contractor who is not licensed pursuant to Business and Professions Code section 7028.15 shall be considered nonresponsive and shall be rejected.

**NOTE:** Each bid must give the full business address of the bidder and be signed by bidder with bidder's usual signature. Bids by partnerships must furnish the full name of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and designation of the chairman of the board, president or any vice president, and then followed by a second signature by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.

The undersigned declares under penalty of perjury under the laws of the State of California that the representations made in this bid are true and correct.

Print or Type Name: Robert J. Zimmerer ; Curt B. Zimmerer  
Title: V-P / Secretary ; President  
Name of Company as Licensed: Zim Industries, Inc.  
Business Address: 4532 E. Jefferson  
Fresno Ca 93725  
Telephone Number: (559) 834-1551  
California Contractor License No.: 440537  
Class and Expiration Date: A, c-57  
State of Incorporation, if Applicable: California

Evidence of authority to bind corporation is attached.

Dated: August 22, 2018

Signed: Robert J. Zimmerer  
Robert J. Zimmerer  
V.P. A Secretary

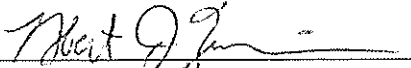
August 22, 2018  
Curt B. Zimmerer  
Curt B. Zimmerer  
President

## CORPORATE RESOLUTION TO EXECUTE CONTRACTS

At a meeting of the corporation today, after considerable discussion, the following resolution was moved, seconded and unanimously adopted;

Resolved that any of the following persons, William P. Zimmerer, Robert J. Zimmerer, Curt B. Zimmerer, John C. Zimmerer, Kevin A. Newlen, Brian P. Zimmerer, or Boyd C. Zimmerer be, and they hereby are, authorized without further authorization of the board of directors to enter into and execute on behalf of the corporation any and all contracts to do corporate business for ZIM INDUSTRIES, INC. d.b.a. Bakersfield Well and Pump Company.

In witness whereof, I have hereunto set my hand as such Secretary, and affixed the corporate seal of said corporation this 30<sup>th</sup> day of November 2016.

  
Robert J. Zimmerer - Secretary


### AUTHORIZED SIGNATURES




William P. Zimmerer

  
Robert J. Zimmerer

  
John C. Zimmerer

  
Curt B. Zimmerer

  
Kevin A. Newlen

  
Boyd C. Zimmerer

  
Brian P. Zimmerer



# State of California

# Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code  
and the Rules and Regulations of the Contractors State License Board,  
the Registrar of Contractors does hereby issue this license to:

**ZIM INDUSTRIES INC dba ZIM IRRIGATION**



to engage in the business or act in the capacity of a contractor  
in the following classification(s):

**A - GENERAL ENGINEERING CONTRACTOR**  
**C57 - WELL DRILLING (WATER)**  
**D21 - MACHINERY & PUMPS**



Witness my hand and seal this day,  
March 19, 1992

*Robert J. Zimmar*  
Signature of Licensee

*Robert J. Zimmar*  
Signature of License Qualifier



**CONTRACTORS  
STATE LICENSE BOARD  
ACTIVE LICENSE**



License Number **440537**      Enev CORP  
Business Name **ZIM INDUSTRIES INC DBA  
BAKERSFIELD WELL & PUMP CO**

Classification(s) **A C61/D21 C57**

Expiration Date **06/30/2019**

[www.cslb.ca.gov](http://www.cslb.ca.gov)  
113



*David R. Phillips*  
Registrar of Contractors

440537

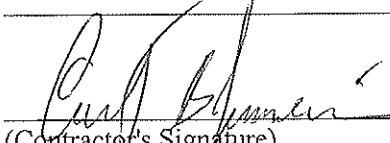
License Number

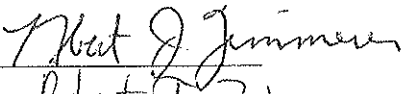
**BIDDER'S LIST OF SUBCONTRACTORS**

Pursuant to the provisions of Section 4100 to 4113 inclusive, of the Government Code of the State of California, every bidder shall set forth the name and location of the place of business of each subcontractor who will perform work or labor in or about the construction of the work or improvement in an amount in excess of one-half (1/2) of one percent (1%) of the Bidder's total bid. If the Bidder fails to specify a subcontractor for any portion of the work in excess of one half (1/2) of one percent (1%) of the Bidder's total bid, he agrees to perform that portion himself. The following is the required list of subcontractors:

<u>Type of Work</u>	<u>Name, Address and Phone Number of Subcontractors</u>	<u>Contractor's License No. / DIR Registration</u>
(661) 861-1037 auger bucket drilling	Hogg Drilling Specialty Const., Inc. 19632 Brimhall Rd, Bakersfield, CA 93314	829276 / 1000021704
(909) 625-6267 well logging	Pacific Surveys, LLC 4456 Via Saint Ambrose Claremont, CA 91711	N/A service provider / 1000014306
(661) 864-4735 collect sidewall cores	Schlumberger 5080 California Ave. Suite 400 Bakersfield, CA 93309	695517 /

August 22, 2018  
Date

  
(Contractor's Signature)  
Curt B. Zimmerman, President  
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

  
Robert T. Zimmerman  
V.P. & Secretary

Note: The Bidder's List of Subcontractors is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this form.

**MAJOR MATERIAL SUPPLIERS INFORMATION**

The bidder shall indicate opposite each item of material listed below the name of the manufacturer or supplier of the material proposed to be furnished under the bid. Failure to comply with this requirement may render the bid informal and may cause its rejection.

	<b>Equipment/Material</b>	<b>Manufacturer or Supplier</b>
1.	Blank Well Casing	Kelly Pipe
2.	Stainless Steel Well Screen	Kelly Pipe
3.	Bentonite Seal	Baroid
4.	Gravel Pack	Pioneer
5.	Concrete	Cemex
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____

Awarding a contract under this bid will not imply approval by the City of manufacturers or suppliers listed by the bidder. No substitution will be permitted after award of contract unless equipment or material of the listed manufacturer or supplier cannot meet the specifications.

Note: The Major Material Suppliers Information is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this form.

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS BID SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS BID)

**EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION**

The bidder Zim Industries, Inc., proposed subcontractor Schlumberger, Hogg Drilling & Pacific Surveys hereby certifies that he has X, has not \_\_\_\_\_, participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

## PUBLIC CONTRACT CODE

### Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has \_\_\_\_\_, has not X been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a checkmark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.

---

### Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes \_\_\_\_\_ No X

If the answer is yes, explain the circumstances in the following space. N/A

Note: The above Statement is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.

## Public Contract Code 10232 Statement

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.  
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

---

**NONCOLLUSION AFFIDAVIT**  
(Title 23 United States Code Section 112 and  
Public Contract Code Section 7106)

To the CITY of LEMOORE

In conformance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares as follows:

I am the President V-P/Secretary of Zim Industries, Inc., the party making the foregoing bid. The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on Aug 22, 2018 at Fresno, Ca.

Signature: Robert J. Zimmerer

Name (Print) Robert J. Zimmerer

Title: V-p/Secretary

Curt B. Zimmerer

Curt B. Zimmerer

President

**DRUG-FREE WORKPLACE CERTIFICATION**

This Drug-Free Workplace Certification is required pursuant to Government Code Sections 8350 *et seq.*, the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or services from any State agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract awarded by a State agency may be subject to suspension of payments or termination of the contract, or both, and the contractor may be subject to debarment from future contracting if the state agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract or grant from a State agency shall certify that it will provide a drug-free workplace by doing all of the following:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the person's or organization's workplace and specifying actions which will be taken against employees for violations of the prohibition;
- (b) Establishing a drug-free awareness program to inform employees about all of the following:
  - (1) The dangers of drug abuse in the workplace;
  - (2) The person's or organization's policy of maintaining a drug-free workplace;
  - (3) The availability of drug counseling, rehabilitation and employee-assistance programs;
  - (4) The penalties that may be imposed upon employees for drug abuse Violations;
- (c) Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code Section 8355 listed above and will publish a statement notifying employees concerning (a) the prohibition of controlled substance at the workplace, (b) establishing a drug-free awareness program, and (c) requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by Section 8355(a) and requiring that the employee agree to abide by the terms of that statement.

I also understand that if the City determines that I have either (a) made a false certification herein, or (b) violated this certification by failing to carry out the requirements of Section 8355, that the contract or grant awarded herein is subject to suspension of payments, termination, or both. I further understand that should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of Section 8350 *et seq.*

I acknowledge that I am aware of the provisions of Government Code Section 8350 *et seq.* and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

Zim Industries, Inc.  
Name of Contractor

Robert J. Zimmerman  
Signature

Robert J. Zimmerman  
Print Name

8/22/18  
Date

*Curt Zimmerman*  
*Curt B Zimmerman*  
*President*

*V.P. & Secretary*



## INFORMATION REQUIRED OF BIDDER

The bidder shall furnish the following information. Failure to comply with this requirement may render the Bid non-responsive and may cause its rejection. Additional sheets shall be attached as required.

- (1) Number of years as a contractor in construction work of this type: 35 years - pumps;  
~~25 years - water well drilling~~
- (2) Names and titles of all officers of contractor's firm:  
Curt B. Zimmerman - President      Brian P. Zimmerman - V.P.  
Robert J. Zimmerman - V-P/Secretary      David C. Zimmerman - V.P.  
William P. Zimmerman - V-P/Treasurer      Kevin A. Newlen - V.P.  
John C. Zimmerman - V-P
- (3) Name of person who inspected site of proposed work for your firm: Bob Zimmerman
- (4) Date of Inspection: August 2, 2018  
 Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract: The Guarantee Company of North America USA  
Alliant Insurance Services      Lyn Genito  
9 Riverpark East Site 300      ph (559) 324-3576  
Fresno, Ca. 93720
- (5) ATTACH TO THIS BID the experience resume of the person who will be designated chief construction superintendent. Brian Zimmerman - Drilling Manager  
Victor Chavez - Drilling Supervisor
- (6) List five projects completed as of recent date involving work of similar type and complexity:

Project: _____	see
Contract Price: _____	attached experience
Name, address and telephone number of owner: _____	sheets
Name and telephone number of Contact Person: _____	
Project: _____	
Contract Price: _____	
Name, address and telephone number of owner: _____	
Name and telephone number of Contact Person: _____	
Project: _____	
Contract Price: _____	
Name, address and telephone number of owner: _____	
Name and telephone number of Contact Person: _____	
Project: _____	
Contract Price: _____	
Name, address and telephone number of owner: _____	
Name and telephone number of Contact Person: _____	

Project: \_\_\_\_\_ *See Attached*

Contract Price: \_\_\_\_\_

Name, address and telephone number of owner: \_\_\_\_\_ *experience*

Name and telephone number of Contact Person: \_\_\_\_\_ *sheet*

---

Project: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Name, address and telephone number of owner: \_\_\_\_\_

Name and telephone number of Contact Person: \_\_\_\_\_

Note: The above information is part of the Bid Proposal Form. Signing the Bid Certification Page shall also constitute signature of this Statement.

STATEMENT OF LICENSURE

UNDER PENALTY OF PERJURY, I swear that the license or certificate of licensure (a copy of which is attached hereto) is mine, is current and valid, and is in a classification appropriate to the work to be undertaken.

Zim Industries, Inc.  
Licensee

440537      6/30/19  
Contractor's License Number and Expiration Date

A, C-57, C61/D21  
License Classification

Signed: Robert J. Gemmer

If the bidder possesses a current City of Lemoore Business License at Bid Day, the bidder certifies its number is 8730, dated 11/29/2011.

**CERTIFICATION OF COMPLIANCE WITH  
STATE LABOR CODE SECTION 3700**

In compliance with State Labor Code Section 1861:

*I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.*

Dated: August 22, 2018

Zim Industries, Inc.  
Contractor

By:

Robert J. Zimmerman Carl B. Zimmerman  
Robert J. Zimmerman Carl B. Zimmerman  
V-P / Secretary President

(Seal if Corporation)

**BID CERTIFICATION PAGE**

Accompanying this bid is "Bidder's Bond"  
(NOTICE: INSERT THE WORDS "CASH (\$ \_\_\_\_\_)," "CASHIER'S CHECK," "CERTIFIED CHECK," OR "BIDDER'S BOND," AS THE CASE MAY BE.)

in amount equal to at least ten percent of the total of the bid.

The names of all persons interested in the foregoing bid as principals are as follows:

**IMPORTANT NOTICE:** If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a copartnership, state true name of firm, also names of all individual copartners composing firm; if bidder or other interested person is an individual, state first and last names in full. Zim Industries, Inc.

President: Curt B. Zimmerman

Secretary: Robert J. Zimmerman

Treasurer: William P. Zimmerman

Manager: John C. Zimmerman Bakersfield Well & Pump

Manager: Robert J. Zimmerman Fresno location - Zim Industries, Inc.

Licensed in conformance with an act providing for the registration of Contractors,

License No. 440537 Classification(s) A, C-57, D21

**ADDENDA**

This Bid is submitted with respect to the changes to the contract included in addenda number/s

1 & 2

(Fill in addenda numbers if addenda have been received and insert, in this Bid, any Engineer's Estimate sheets that were received as part of the addenda.)

By my signature on this bid I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this bid I further certify, under penalty of perjury under the laws of the State of California and the United States of America, that the Noncollusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106; and the Title 49 Code of Federal Regulations, Part 29 Debarment and Suspension Certification are true and correct.

Date: August 22, 2018

Robert J. Zimmerman Curt B. Zimmerman

Robert J. Zimmerman Curt B. Zimmerman

V-P/Secretary President



Signature and Title of Bidder

Business Address 4532 E. Jefferson Fresno, Ca 93725

Place of Business " " " " " "

Place of Residence 3352 Purvis Ave Clovis, Ca 93619

Place of Residence 1112 E. La Quinta Drive; Fresno, CA 93720

Zim Industries, Inc  
Zim Industries, Inc.  
Robert J. Zimmerman  
Curt B. Zimmerman  
 City of Lemoore  
 Test Hole Drilling and Construction  
 of Production Well No. 15

Bid Conditions

Page BC-27

Bid Certification Page

**ADDENDUM No. 1**

**FOR THE**

**CITY OF LEMOORE  
TEST HOLE DRILLING AND CONSTRUCTION OF  
PRODUCTION WELL NO. 15**

August 14, 2018



OWNER:  
City of Lemoore  
711 Cinnamon Drive  
Lemoore, CA 93245  
(559) 924-6735

PREPARED BY:  
QK.  
901 E. Main Street  
Visalia, CA 93278  
(559) 733-0440

L160238

**ADDENDUM No. 1**

The following additions, deletions, or modifications shall become part of the Contract Documents for the City of Lemoore Test Hole Drilling and Construction of Production Well No. 15 Project:

**REVISIONS TO SPECIFICATIONS**

- Item 1. The bid date is hereby changed to Thursday, August 23, 2018. The bid time and place remain the same.

**BID CONDITIONS**

- Item 2. Replace Page BC-11 through Page BC-14 with REVISED Page BC-11 through REVISED Page BC-14A, attached.

**SPECIAL PROVISIONS PART II, CONSTRUCTION DETAILS**

- Item 3. Replace the Page CD-1 through Page CD-44 with REVISED Page CD-1 through REVISED Page CD-52

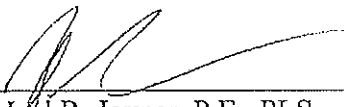
**APPENDIX B – COMPONENT DRAWING, COMPLETED DRAWING**


- Item 4. Replace the Component Drawing and the Completed Drawing with the attached Component Drawing and Completed Drawing.

**APPENDIX C – SITE PLAN**

- Item 5. Insert the attached site plan into the specifications.

**NOTE: One copy of this Addendum No. 1 shall be signed by the Contractor and must be submitted with the bid as acknowledgement of receipt and acceptance of this Addendum No. 1.**

Prepared by:  Date 8/14/18  
Joel R. Joyner, P.E., PLS.  
OK

Accepted by:  Date 8-22-2018  
Contractor (Signature)

Zim Industries, Inc. Title President  
Contractor (Print Name)  
Curt B. Zimmerman

# ADDENDUM No. 2

FOR THE

## CITY OF LEMOORE TEST HOLE DRILLING AND CONSTRUCTION OF PRODUCTION WELL NO. 15

August 22, 2018



OWNER:  
City of Lemoore  
711 Cinnamon Drive  
Lemoore, CA 93245  
(559) 924-6735

PREPARED BY:  
QK.  
901 E. Main Street  
Visalia, CA 93278  
(559) 733-0440

L160238



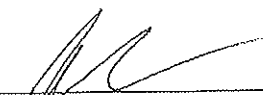
**ADDENDUM No. 2**


The following additions, deletions, or modifications shall become part of the Contract Documents for the City of Lemoore Test Hole Drilling and Construction of Production Well No. 15 Project:

**CLAIRIFICATIONS**

**Item 1.** The blank well casing can be either A139 or A53B low carbon steel.

**NOTE:** One copy of this Addendum No. 2 shall be signed by the Contractor and must be submitted with the bid as acknowledgement of receipt and acceptance of this Addendum No. 1.

Prepared by:  8/21/18  
Joel R. Joyner, P.E., PLS. Date  
QK

Accepted by:  8-23/2018  
Contractor (Signature) Date  
Zim Industries, Inc. President  
Contractor (Print Name) Title  
Curt B. Zimmerman

1.4 Bidder Information and Experience Form

ARTICLE 1. INFORMATION ABOUT BIDDER

(Indicate not applicable ("N/A") where appropriate.)

NOTE: Where Bidder is a joint venture, pages shall be duplicated and information provided for all parties to the joint venture.

- 1.0 Name of Bidder: Zim Industries, Inc. dba Bakersfield Well & Pump Company
- 2.0 Type, if Entity: Corporation
- 3.0 Bidder Address: 4532 E. Jefferson Ave.  
Fresno, CA 93725
- (559) 834-5156 (559) 834-1551  
Facsimile Number Telephone Number
- curt@zimindustries.com  
Email Address
- 4.0 How many years has Bidder's organization been in business as a Contractor?  
39 years
- 5.0 How many years has Bidder's organization been in business under its present name?  
39 years
- 5.1 Under what other or former names has Bidder's organization operated?  
N/A
- 6.0 If Bidder's organization is a corporation, answer the following:
- 6.1 Date of Incorporation: August 7, 1979
- 6.2 State of Incorporation: California
- 6.3 President's Name: Curt B. Zimmerer
- 6.4 Vice-President's Name(s): John C. Zimmerer
- 6.5 Secretary's Name: Robert J. Zimmerer
- 6.6 Treasurer's Name: William P. Zimmerer

7.0 If an individual or a partnership, answer the following:

7.1 Date of Organization: N/A

7.2 Name and address of all partners (state whether general or limited partnership):

N/A  
|  
|  
|

8.0 If other than a corporation or partnership, describe organization and name principals:

N/A  
|  
|

9.0 List other states in which Bidder's organization is legally qualified to do business.

Arizona, Nevada, Utah, New Mexico

10.0 What type of work does the Bidder normally perform with its own forces?

water well drilling, construction, development and testing, pump installation & repairs, well abandonments

11.0 Has Bidder ever failed to complete any work awarded to it? If so, note when, where, and why:

No; N/A

12.0 Within the last five years, has any officer or partner of Bidder's organization ever been an officer or partner of another organization when it failed to complete a contract? If so, attach a separate sheet of explanation:

No; N/A

13.0 List Trade References:

See Attached references

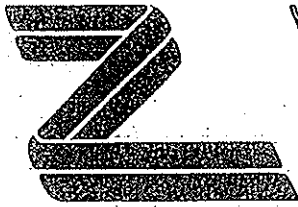
14.0 List Bank References (Bank and Branch Address):

Comerica Bank Commercial Banking Group  
Lynn Hudson, Senior Vice President Western Market Relationships Manager  
15200 N. Palm Avenue, Suite 320  
Fresno, CA 93704 (559) 244-3918

15.0 Name of Bonding Company and Name and Address of Agent:

The Guarantee Company of North America USA  
Alliant Insurance Services Inc. - Lyn Genito  
9 E. River Park Place East, Suite 310  
Fresno, CA 93729-8932 (559) 374-3576

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# ZIM INDUSTRIES, INC.

4532 E. Jefferson Ave. • Fresno, CA 93725  
Ph. (559) 834-1551 • FAX (559) 834-5156  
www.zimindustries.com

## Application for Credit

Zim Industries, Inc.  
4545 E. Lincoln Ave., Fresno, CA 93725

Phone: (559)834-1551  
Fax: (559)834-5156

Date started at present location: 8/1979

Federal ID#: 94-2597729

Date of Incorporation: 8/7/1979 (State of Corporation-CA)

Type of Business: Well Drilling, Pump Installation and Repairs

Resale #'s (Note: For information only. Not intended to set-up all accounts as a Resale Account  
Resale Account: Vendors will need a signed Resale Certificate to make a new account resale

CA-22-700402  
AZ-07507926-P  
NV-058440528

Contractor's License #'s  
CA-440537 (A, C61/D21, C57)  
AZ-113468  
NV-0037248  
UT-697

### Corporate Officers:

President-Curt Zimmerer	1112 E. La Quinta, Fresno, CA 93720
VP/Secretary-Robert Zimmerer	3352 Purvis Ave., Clovis, CA 93619
VP/Treasurer-William P. Zimmerer	1660 N. Filbert, Clovis, CA 93611
VP-John Zimmerer	15152 Thunder Valley Rd., Bakersfield, CA 93314
VP-Brian Zimmerer	468 E. Walnut Hill Ave., Fresno, CA 93720
VP-Boyd Zimmerer	1495 E. Starpass Dr., Fresno, CA 93730
VP-Kevin Newlen	9809 Salerosa Ct., Bakersfield, CA 93312

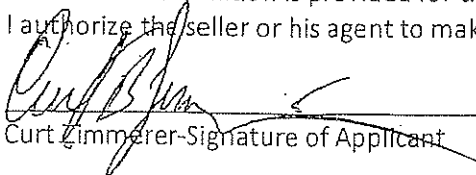
### Trade References:

<u>Trade References:</u>	<u>Phone#</u>	<u>Fax#</u>
Arrow Electric, 645 Broadway, Fresno, CA 93721	559-266-0104	559-266-9159
Kelly Pipe, PO Box 2827, Santa Fe Springs, CA 90670 <a href="mailto:jSturgeon@kellypipe.com">jSturgeon@kellypipe.com</a>	661-835-1213	661-399-4541
Roscoe Moss, 31916 Famoso Rd., Bakersfield, CA 93250 <a href="mailto:rmcfamoso@roscoemoss.com">rmcfamoso@roscoemoss.com</a>	661-393-5756	661-393-1824

### Banking Information:

Comerica Bank, 5200 N. Palm, Suite 320, Fresno, CA 93704 Account #1894813235  
Kym Judson, Senior VP 559-244-3918 559-244-3909  
[kshudson@comerica.com](mailto:kshudson@comerica.com)

The above information is provided for the purpose of obtaining credit and is warranted to be true.  
I authorize the seller or his agent to make a credit investigation.

  
Curt Zimmerer-Signature of Applicant

\_\_\_\_\_  
President

ARTICLE 2. LIST OF CURRENT PROJECTS (BACKLOG)

[\*\*Duplicate Page if needed for listing additional current projects.\*\*]

	Project	Description of Bidder's Work	Completion Date	Cost of Bidder's Work
CA	Lave's Travel Station	Production Water Well	August 2018	\$ 449,932
CA	Coleta Water District	Puente Water Well	March 2019	\$ 925,541
UT	Powder Mountain WSDA	Cobabe Well	September 2018	\$ 1,010,640
UT	City of West Jordan	2 Production Wells	October 2018	\$ 1,592,480
CA	City of Ventura	Well #3	November 2018	\$ 851,304
UT	DH Flash Technologies	Production Well	March 2019	\$ 1,113,000
CA	Cary Esajian	Production Well	September 2018	\$ 253,127
CA	Ted Sheely	Production Well	September 2018	\$ 253,127

ARTICLE 3. LIST OF COMPLETED PROJECTS – LAST 5 YEARS

[\*\*Duplicate Page if needed for listing additional completed projects.\*\*]

Please include only those projects which are similar enough to demonstrate Bidder's ability to perform the required Work.

Project	Description of Bidder's Work	Completion Date	Cost of Bidder's Work
<i>See Attached References</i>			

# PROJECT EXPERIENCE FORM

Well Owner	Well Location (City/State)	Contact Person	Photo Number/Email	Well Completion/Well Depth	Casing Diameter (in) / Completion Zone	Drilling Method	Wellfield	Specific Capacity	Sand Production	Date Completed
Golden Hills Community Service District	Tehachapi, California	David Halpoff	(661) 616-5900	600 feet	Structure Well 16" \$240,091	Flooded Reverse Circulation Rotary	700 Gpm	7 Gpm / Foot of Drawdown	less than 1 ppm @ 5m/h sand	2017
Irvine Ranch Water District	Bakersfield, California	Joe McGehee	(949) 453-5542	3 wells 640-foot (1000-foot pilot hole)	Stockdale well with water banking 18" \$2,348,912	Flooded Reverse Circulation Rotary	2500 GPM	22 Specific Capacity	7 ppm @ 5m/h	2017
City of Delano	Delano, California	Pedro Nunez	(661) 721-3300	1000 feet	Well #40 16" \$553,480	Flooded Reverse Circulation Rotary	900 GPM	6 Gpm / Foot of Drawdown	2 ppm @ 5m/h then trace of sand	2016
Golden State Water Company	Northwalk, California	Dan Rella	(909) 937-0111	1440 feet	Dace well #8 \$1,325,461	Flooded Reverse Circulation Rotary	2000 Gpm	22 Specific Capacity	3 ppm @ 5m/h then trace of sand	2014
Arvin-Eadison Water Storage District	Tejon, California	Jeevan Mukher	(661) 854-9573	3 wells 1500 feet	Tejon 100 Well Project 18" \$2,300,000	Flooded Reverse Circulation Rotary	4700 GPM	91 Specific Capacity	0 ppm @ 5m/h	2017

See attached additional Project experience References: *copy*



LIST OF REFERENCES

\$ 1,161,427 Contract Amount TO BE SUBMITTED WITH BID. \$ 961,030 Contract Amount

<p>Name of Firm: <u>San Jose Water Company</u>          Address: <u>110 W. Taylor Street /          San Jose, CA 95110-2131</u>          Contact: <u>Thomas Gee 2/14/13 thru 4/14/13</u>          Telephone: <u>(408) 279-7886</u>          Email: <u>thomas.gee@sjwater.com</u>          Work Description(s): <u>Drill, Construct, Develop &amp; Test - 2          Production Wells (#9 &amp; #13): #9 ⇒ 870' depth x 18 7/8" dia.,          304SS x .312 louver 0.070; #13 ⇒ 790' depth x 18 5/8" dia., 304SS          x .312 louver 0.070.</u></p>	<p>Name of Firm: <u>San Jose Water Company</u>          Address: <u>110 W. Taylor Street /          San Jose, CA 95196-0001</u>          Contact: <u>Thomas Gee 4/23/13 thru 6/4/13</u>          Telephone: <u>(408) 279-7886</u>          Email: <u>thomas.gee@sjwater.com</u>          Work Description(s): <u>Drill, Construct, Test &amp; Develop - 2          Production Wells (#17 &amp; #18): #17 ⇒ 710' depth x 18 5/8" dia.,          304SS x .312 louver 0.055; well #18 same as #17.</u></p>
<p>Name of Firm: <u>Del Monte Foods, Inc. \$788,365</u>          Address: <u>10652 Jackson Avenue Contract          Hanford, CA 93230</u>          Contact: <u>Ron Melkonian 11/09/15 thru 2/10/16</u>          Telephone: <u>(559) 639-6718 / (559) 469-6743</u>          Email: <u>leticia.vanez@delmonte.com</u>          Work Description(s): <u>Drill, Construct, Develop &amp; Test          Plant #24 production well ⇒ 1570' depth x 16" dia.,          304SS, x .312 wire wrapped screen 0.045</u></p>	<p>Name of Firm: <u>City of Fresno \$763,556 Contract</u>          Address: <u>2102 G Street, Building A          Fresno, CA 93706</u>          Contact: <u>Anita Luera 11/12/15 thru 12/31/15</u>          Telephone: <u>(559) 621-1625</u>          Email: <u>Cynthia.Fischer@fresno.gov</u>          Work Description(s): <u>Drill, Construct, Develop &amp; Test          Well #303A ⇒ 710' depth x 18" dia., 304SS          x .312 louver 0.060</u></p>
<p>Name of Firm: <u>Tooele City Corporation ⇒ \$1,649,425 Contract Amount</u>          Address: <u>90 North Main Street          Tooele, UT 84074</u>          Contact: <u>Paul Hansen 4/14/13 thru 12-22-13</u>          Telephone: <u>(435) 843-2132</u>          Email: <u>Paul@TooeleCity.org</u>          Work Description(s): <u>Drill, Construct, Develop &amp; Test          2 Production Wells ⇒ Hancock Well 1000' depth x 20" dia.,          SS x wire wrap 0.080; Redden Grounds 1000' depth x 18" dia.,          SS x wire wrap 0.070</u></p>	<p align="center">NOT USED</p>

Please see additional references, attached.

*Curt Zimmerman*  
 Curt R. Zimmerman, President

MUNICIPAL WATER WELL EXPERIENCE VERIFICATION

See Section 014400 "Contractor's Qualifications."

Job Number	Project Name & Description:	Project Owner:	Contact person, phone number, address:	Contractor Site Superintendent(S) or Foreman(F)	Completion Date:	Contract Amount, dollars:
6012	Dixon 04-02 New Well-18" x 138' Isolated aquifer zone tests	California Water Service	1720 W. First Street San Jose CA 95112 (409) 993-6477 Mary Kean (408) 367-8388	Victor Chavez Manuel Lopez	-S -F 9/30/2016	\$1,074,805
13133	Drill Riverdale, CA Well #6 - 16" x 1860' Zone tests	City of Riverdale Grizzly Construction general contractor	Arvast and Pritchard 286 W. Cromwell Ave Fresno CA 93711 Herb Simmons (559) 675-5817	Victor Chavez Manuel Lopez	-S -F June 2014	\$724,430
5067	Drill Riverdale, CA Well #7 - 16" x 1872' Zone tests	Riverdale AUCD	Arvast and Pritchard 286 W. Cromwell Ave, Fresno, CA 93711 Keith Mortenson (559) 449-2700	Victor Chavez Manuel Lopez	-S -F 7/8/2016	\$927,841
15121	Drill Santa Rosa Rancheria Well #3 16" x 1150' zone tests	SANTA ROSA RANCHERIA	17225 Jerey Ave, Lemoore, CA 93245 Norman Quinn (559) 925-7773	Victor Chavez Manuel Lopez	-S -F 01/29/2016	\$740,906
15125	Drill East Arterville Emergency Water Project Well - 16" x 1155' Zone tests	County of Tulare	2806 W. Burrell Ave Visalia, CA 93291 Nenice England (209) 733-6977	Victor Chavez Jerry Stidham	-S -F January 2016	\$849,145

**NOTICE:** This verification form is part of the Bid. Signing the Bid on the signature portion thereof shall also constitute signature of this verification. Bidders are cautioned that providing false information may subject the certifier to criminal prosecution.

See Attached recommended drilling fluid program.

See Attached Contractor's Qualifications and Experience Sheets.

*Curt Zimmerman*  
 Curt B. Zimmerman  
 President  
 Zim Industries, Inc.

1 Name, address, & telephone number of owner:

CITY OF WOODLAND

300 FIRST STREET

WOODLAND, CA 95695

(805) 453-8267

2 Name of project:

ASR WELL 30 & MONITORING WELL (MW-30)

ASR WELL 29 & MONITORING WELL (MW-29)

3 Location of project:

YOLO COUNTY

4 Brief description of work involved:

4 Wells Mobilization, 3" x 905'(MW) x 2 x 20" x 453'(ASR)Well x 2.

Geophysical and Caliper Surveys, Swabbing and Test Pumping

20" dia. 30' SS, x 1.375 wire wrap screen 0.055 slot

5 Contract amount:

\$2,183,827.16

6 Date of completion of contract:

Started October 2015 - Estimated Finish February 2016

7 Name, address, & phone number of architect or engineer:

WEST YOST

2020 RESEARCH PARK DRIVE SUITE 100

DAVIS, CA 95618

(805) 453-8267

8 Name of owner's project engineer:

KEN LOY

(530) 756-5905

1 Name, address, & telephone number of owner:  
COUNTY OF TULARE  
2800 W. BURREL AVE  
VISALIA, CA 93291  
(209) 733-6977

2 Name of project:  
EAST PORTVILLE EMERGENCY WATER PROJECT

3 Location of project:  
PORTERVILLE, CA

4 Brief description of work involved:  
Mobilization, 16" x 1155' Well, Set 36" Conductor, Zone Tests  
Swabbing, Test Pumping, Well Video

5 Contract amount:  
\$849,145.00

6 Date of completion of contract:  
Started August 2015 - Estimated Finish January 2016

7 Name, address, & phone number of architect or engineer:  
COUNTY OF TULARE  
2800 W. BURREL AVE  
VISALIA, CA 93291  
(209) 733-6977

8 Name of owner's project engineer:  
Denice England  
(209) 733-6977

Brian Zimmerman - Project Manager  
Victor Chavez - Site Superintendent

1 Name, address, & telephone number of owner:

SANTA ROSA RANCHERIA

17225 JERSEY AVE

LEMOORE, CA 93245

(559) 925-7773

2 Name of project:

DRILL WELL #3

3 Location of project:

LEMOORE, CA

4 Brief description of work involved:

Mobilization, 16" x 1147' Well, Set 32" Conductor, Zone Tests, E-Log

Swabbing, Test Pumping, Well Video

5 Contract amount:

\$734,451.00

6 Date of completion of contract:

Started October 2015 - Estimated Finish January 2016

7 Name, address, & phone number of architect or engineer:

SANTA ROSA RANCHERIA

17225 JERSEY AVE

LEMOORE, CA 93245

(559) 925-7773

8 Name of owner's project engineer:

Norm Quinn

(559) 925-7773

1 Name, address, & telephone number of owner:

PROWEST CONSTRUCTORS

22710 PALOMAR ST

WILDOMAR, CA 92595

(909) 821-8764

2 Name of project:

UC DAVID - TULARE WELL

3 Location of project:

AVE 184 AND RD 112

Tulare, CA

4 Brief description of work involved:

Mobilization, 16" x 812'. Set 30" Conductor, Zone Tests, E-Log Survey

Test Pumping, Swabbing and Well Videos.

5 Contract amount:

\$566,840.00

6 Date of completion of contract:

Started July 2015 - Finished October 2015

7 Name, address, & phone number of architect or engineer:

PROWEST CONSTRUCTORS

22710 PALOMAR ST

WILDOMAR, CA 92595

(909) 821-8764

8 Name of owner's project engineer:

Richard Slater

(909) 821-8764

1 Name, address, & telephone number of owner:

CITY OF CORCORAN – PUBLIC WORKS

832 WHITLEY AVE

CORCORAN, CA 93212

(209) 992- 2151

2 Name of project:

DRILL WELL 11A

3 Location of project:

4TH AND WAUKENA

Corcoran, CA

4 Brief description of work involved:

Mobilization, 18" x 16" x 1491' Well, Set 36" Conductor, E-Log, Caliper Log

Swabbing, Test Pumping

5 Contract amount:

\$732,421.00

6 Date of completion of contract:

Started August 2015 – Finished October 2015

7 Name, address, & phone number of architect or engineer:

CITY OF CORCORAN – PUBLIC WORKS

832 WHITLEY AVE

CORCORAN, CA 93212

(209) 992- 2151

8 Name of owner's project engineer:

Baldo Rodriguez

(209) 992- 2151

1 Name, address, & telephone number of owner:

STEVE DOVALI CONSTRUCTION

8461 E OLIVE AVE

FRESNO, CA 93727

(559) 255-7603

2 Name of project:

REGIONAL CONSOLIDATION OF THREE WATER SYSTEMS

3 Location of project:

9th Ave and Hanford Armona

Hanford, CA

4 Brief description of work involved:

Mobilization, 16" x 1522', Set 30" Conductor, E-Log, Swabbing

Test Pumping, Pump Motor, Pump Bowl

5 Contract amount:

\$1,115,670.00

6 Date of completion of contract:

Started February 2015 - Well Finished June 2015

Estimated date of completion of pump portion - February 2016

7 Name, address, & phone number of architect or engineer:

KENNETH D SCHMIDT AND ASSOCIATES

600 W SHAW

FRESNO, CA 93704

(559) 224-4412

8 Name of owner's project engineer:

KEN SCHMIDT

(559)224-4412



1 Name, address, & telephone number of owner:  
Riverdale PUD  
20896 Malsbury St  
Riverdale, CA 93656  
(559) 867-3838

2 Name of project:  
ARESENIC COMPLIANCE PROJECT 16" x 1822'  
Production Well

3 Location of project:  
ALVA STREET AND EARL  
Riverdale, CA

4 Brief description of work involved:  
Mobilization, Completed 16" x 1822' Well,  
Set 20' Conductor, Airlifted and Swabbed Well,  
Test Pumped Well

5 Contract amount:  
\$595,441.00

6 Date of completion of contract:  
Started June 2015 - Finished August 2015

7 Name, address, & phone number of architect or engineer:  
Provost and Pritchard  
286 W Cromwell Ave  
Fresno, CA 93711  
(559) 675-7817

8 Name of owner's project engineer:  
Herb Simmons  
(559) 675-7817

1 Name, address, & telephone number of owner:

Consolidated Irrigation District

2255 Chandler St

Selma, CA 93662

(559) 896-1660

2 Name of project:

Recovery Well 101 and 102

3 Location of project:

SOUTH AND HIGHLAND BASIN RECOVERY WELLS

Fresno County

4 Brief description of work involved:

Two Wells - Mobilization, 18" x 500' and 18" x 520' Wells, Set two 36" Conductors

E- Log, Swabbing, Test Pumping

5 Contract amount:

\$451,577.50

6 Date of completion of contract:

Started September 2014 - Finished January 2015

7 Name, address, & phone number of architect or engineer:

Provost and Pritchard

286 W Cromwell Ave

Fresno, CA 93711

(559) 675-7817

8 Name of owner's project engineer:

Travis Vickers

(559) 212-0430

1 Name, address, & telephone number of owner:  
SAN JOSE WATER  
110 W TAYLOR ST  
SAN JOSE, CA 95196  
(408) 279-7886

2 Name of project:  
MERIDIAN STATION WELL #6

3 Location of project:  
1000 MERIDIAN DR  
SAN JOSE CA

4 Brief description of work involved:  
Drilled Water Well- 18" x 753', 363' of gravel fill pipe  
328' of sounding pipe, 20 hrs of well development  
18 5/8" 304 S.S. x .312 louver 0.070 slot

5 Contract amount:  
\$471,207.00

6 Date of completion of contract:  
3/20/2013

7 Name, address, & phone number of architect or engineer:  
SAN JOSE WATER  
110 W TAYLOR ST  
SAN JOSE, CA 95196  
(408) 279-7886

8 Name of owner's project engineer:  
THOMAS GEE  
(408) 279-7886

- 1 Name, address, & telephone number of owner:  
EPC Corporation  
6615 West Sate Ave Suite 2  
Glendale AZ, 85301  
(623) 934-0225
- 2 Name of project:  
P-331 New Potable Water Well
- 3 Location of project:  
Lemoore NAS  
Lemoore, CA
- 4 Brief description of work involved:  
Drill Well 16" X 1120' Depth, Zone Tests, Airlift development, Geophysical logging,  
Development and test pumping  
16" dia. 304 S.S. x 312 lower 0.050 s/ft
- 5 Contract amount:  
\$1,226,232.00
- 6 Date of completion of contract:  
9/1/2013
- 7 Name, address, & phone number of architect or engineer:  
EPC Corporation  
6615 West Sate Ave Suite 2  
Glendale AZ, 85301  
(623) 934-0225
- 8 Name of owner's project engineer:  
Heath Collins  
(623) 934-0225

1 Name, address, & telephone number of owner:  
City of Fresno – Water Division  
1910 E. University  
Fresno, CA 93703  
(559) 621-5350

2 Name of project:  
DRILL WELL 236A

3 Location of project:  
765 E SAN JOSE AVE  
Fresno, CA

4 Brief description of work involved:  
Mobilization, 18" x 825' Well, Set 36" Conductor, Swabbing, Test Pumping,  
Television Survery  
18" dia. 304 S.S. x .312 Full Flo lever 0.060 slot

5 Contract amount:  
\$578,163.50

6 Date of completion of contract:  
Started January 2014 – Finished June 2014

7 Name, address, & phone number of architect or engineer:  
City of Fresno – Water Division  
1910 E. University  
Fresno, CA 93703  
(559) 621-5350

8 Name of owner's project engineer:  
Cynthia Fischer  
(559) 621-5350

1 Name, address, & telephone number of owner:

LONDON COMMUNITY SERVICES DISTRICT

37835 KATE RD

DINUBA, CA 93618

(559) 591-5152

2 Name of project:

DRILL WATER WELL #5

3 Location of project:

LONDON, CA

TULARE COUNTY

4 Brief description of work involved:

Mobilization, 14" x 510' Well, Set 30" Conductor, E-Log

Swabbing, Test Pumping, Well Video

5 Contract amount:

\$545,200.00

6 Date of completion of contract:

Started September 2015 - Estimated Finish January 2016

7 Name, address, & phone number of architect or engineer:

KELLER & WEGLEY

PO BOX 911

VISALIA, CA 93279 - 0911

(559) 732-7938

8 Name of owner's project engineer:

Jim Wegley

(559) 732-7938

1 Name, address, & telephone number of owner:

CITY OF SANTA BARBARA

630 GARDEN ST

SANTA BARBARA, CA 93102

(805) 560-7544

2 Name of project:

ALAMEDA PARK WELL RELOCATION PROJECT

3 Location of project:

ALAMEDA PARK

4 Brief description of work involved:

Mobilization, 12" x 480'. Set Conductor, Noise Control, Caliper Survey

Geophysical Logs, Test Pumping, Swabbing and Well Videos. Well Abandonment

of Existing Well 12" dia, 304 S.S. x 1.250 wire wrap screen @ 0.450 slot

5 Contract amount:

\$1,050,225.00

6 Date of completion of contract:

Started February 2015 - Finished May 2015

7 Name, address, & phone number of architect or engineer:

PUEBLO WATER RESOURCES

4478 MARKET ST SUITE 705

VENTURA, CA 93003

(805) 644-0470

8 Name of owner's project engineer:

ROBERT MARKS

(805) 644-0470

1 Name, address, & telephone number of owner:  
CITY OF CERES  
2220 MAGNOLIA STREET  
CERES, CA 95307  
(209) 538-5792

2 Name of project:  
DRILL WELLS 41 AND 42

3 Location of project:  
STANISLOUS COUNTY

4 Brief description of work involved:  
Two Wells - Mobilization, 16" x 370' and 16" x 340'. Set two 30" Conductors,  
Geophysical Logs, Test Pumping, Swabbing and Well Videos  
*16" dia. 304 S.S. x 1.375 wire wrap screen 0.055 slot*

5 Contract amount:  
\$621,561.00

6 Date of completion of contract:  
Started November 2014 - Finished March 2015

7 Name, address, & phone number of architect or engineer:  
Provost and Pritchard  
286 W Cromwell Ave  
Fresno, CA 93711  
(559) 675-7817

8 Name of owner's project engineer:  
Herb Simmons  
(559) 675-7817



1 Name, address, & telephone number of owner:  
CITY OF FRESNO  
1721 VAN NESS AVE  
FRESNO, CA 93721  
(559) 621-5600

2 Name of project:  
Drill Two Wells at PS 345

3 Location of project:  
185 S Burgan  
Fresno CA

4 Brief description of work involved:  
Drilled 2 Water Wells- 12" x 835', 620' of gravel fill pipe  
240' of sounding pipe, 24 Hours of swabbing, 48 hrs of well development  
12" dia. 304 S.S. X .312 Full Flo lower 0.0605/ft

5 Contract amount:  
\$531,160.00

6 Date of completion of contract:  
1/23/2013

7 Name, address, & phone number of architect or engineer:  
CITY OF FRESNO  
1721 VAN NESS AVE  
FRESNO, CA 93721  
(559) 621-5600

8 Name of owner's project engineer:  
JIM POLSGROVE  
(559) 621-5600

1 Name, address, & telephone number of owner:

County of Madera  
2037 West Celeveland Ave  
Madera, CA 93637  
(559) 675-7817

2 Name of project:

DRILL MDP5 CONITNENTAL ESTATES WELL #4

3 Location of project:

MARCIEL AND RD 36  
Madera, CA

4 Brief description of work involved:

Mobilization, 12" x 561' Well, Set Conductor, E-Log and Caliper Log  
Swabbing, Test Pumping, Plumbness and Alignment Test  
*12 3/4" dia. 309 S.S. X. 312 X. 250 wire wrap screen 0.055 s/ft*

5 Contract amount:

\$366,518.00

6 Date of completion of contract:

Started August 2014 - Finished November 2014

7 Name, address, & phone number of architect or engineer:

Wood Rodgers  
3301 C St Building 100-B  
Sacramento, CA 95816  
(916)341-7760

8 Name of owner's project engineer:

Larry Ernst  
(916)341-7760

1 Name, address, & telephone number of owner:  
CITY OF FRESNO  
1721 VAN NESS AVE  
FRESNO, CA 93721  
(559) 621-5600

2 Name of project:  
Drill Well at PS 30B

3 Location of project:  
Belmont and Maple  
Fresno CA

4 Brief description of work involved:  
Drilled Water Well - 16" x 472', 220' of gravel fill pipe  
225' of sounding pipe, 24 Hours of swabbing, 62 hrs of well development  
*16" dia. 304 S.S. x 1312 Full Flg lower 0.060 slot*

5 Contract amount:  
\$224,923.00

6 Date of completion of contract:  
5/29/2013

7 Name, address, & phone number of architect or engineer:  
CITY OF FRESNO  
1721 VAN NESS AVE  
FRESNO, CA 93721  
(559) 621-5600

8 Name of owner's project engineer:  
JIM POLSGROVE  
(559) 621-5600

1 Name, address, & telephone number of owner:

Town of Discovery Bay  
1800 Willow Lake Rd  
Discovery Bay, CA 94505  
(925) 634-1131

2 Name of project:

DRILL PRODUCTION WELL #7

3 Location of project:

NEWPORT DR AND CAPSTONE PL  
Town of Discovery Bay

4 Brief description of work involved:

Mobilization, 18" x 348' Well, Set 32" Conductor, Geophysical Log,  
Test Pumping, Plumbness and Alignment Test  
18" dia. 304 S.S. x 1 3/2 wire wrap screen 0.050 slot

5 Contract amount:

\$370,555.00

6 Date of completion of contract:

Started September 2013 - Finished December 2013

7 Name, address, & phone number of architect or engineer:

Ludorff and Scalamini  
500 First Street  
Woodland, CA 95695  
(530) 661-0109

8 Name of owner's project engineer:

Scott Lewis  
(530) 661-0109

1 Name, address, & telephone number of owner:

Granville Homes Inc

1396 WEST HERNDON AVE, SUITE 101

FRESNO, CA 93711

(559) 593-3448

2 Name of project:

DRILL PRODUCTION WELL #369

3 Location of project:

FRIANT AND COPPER

Fresno Ca

4 Brief description of work involved:

Mobilization, 16" x 623', Set 32" Conductor, Geophysical Log, Swabbing

Test Pumping, Television Survey

16" dia. 304 S.S. x 312' lower 01060 stat

5 Contract amount:

\$481,461.00

6 Date of completion of contract:

Started October 2014 - Finished January 2015

7 Name, address, & phone number of architect or engineer:

Granville Homes Inc

1396 WEST HERNDON AVE, SUITE 101

FRESNO, CA 93711

(559) 593-3448

8 Name of owner's project engineer:

Rod Pate

(559) 593-3448

1 Name, address, & telephone number of owner:

City of Porterville  
291 N Main St  
Porterville, CA 93257  
(559) 782-7462

2 Name of project:

Drill Well 32

3 Location of project:

RD 208 AND AVE 128  
Porterville, CA

4 Brief description of work involved:

Mobilization, 16" x 780' Well, Set 36" Conductor, Zone Tests, Swabbing,  
Test Pumping, Well Video  
*16-5/8" dia. Cor-Ten Steel x 1.312 Full Flo lower 0.060 slot*

5 Contract amount:

\$463,195.00

6 Date of completion of contract:

Started August 2013 - Finished December 2013

7 Name, address, & phone number of architect or engineer:

Dee Jasper and Associates  
15 W Putnam Ave  
Porterville, CA 93257  
(559) 791-9286

8 Name of owner's project engineer:

Curtis Skaggs  
(559) 791-9286

1 Name, address, & telephone number of owner:

Fair Oaks Water District

10326 Fair Oaks Blvd

Fair Oaks, CA 95628

(916) 257-5261

2 Name of project:

MADISON WELL

3 Location of project:

ALAIRE VIE DR AND MADISON AVE

Fair Oaks, CA

4 Brief description of work involved:

Mobilization, 18" x 566' Well, Set 34" Conductor, Geophysical Log, Caliper Log

Swabbing, Test Pumping, Plumbness and Alignment Test, Pump Pedestal

18 5/8" dia x 304 S.S. x .312 wire wrap screen 0.040 slot

5 Contract amount:

\$545,925.00

6 Date of completion of contract:

Started June 2014 - Finished November 2014

7 Name, address, & phone number of architect or engineer:

GEI CONSULTANTS

5100 CALIFORNIA AVE SUITE 227

BAKERSFIELD, CA 93309

(661) 327-7601

8 Name of owner's project engineer:

RICHARD SCHATZ

(661) 327-7601

Name of project:

Drill O'Neill Ranch Well

Location of project:

Soquel Dr and 41st ave  
Santa Cruz, CA

Name, address, & telephone number of owner:

Soquel Creek Water District  
5180 Soquel Dr  
Capitola, CA 95010  
(831) 475-8500

Architect or Engineer

Jarrod Swett

Architect or Engineer

(831) 475-8500

Name, address, & telephone number of Construction Manager:

Zim Industries, Inc  
4545 E Lincoln Ave  
Fresno, CA 93725  
(559) 834-1551

Brief description of work involved:

Drilled 16" x 1700' water well  
gravel pack, cement, swab development & test pumped.

Total value of construction(including change orders):

\$611,660.00

Original schedule completion date:

August 20, 2012

Time extensions granted(number of days):

39

Actual date of completion:

September 28, 2012



Name of project:

Drill Barney Well 18" x 465'

Location of project:

Barney - Canal and Barney St

Crowley - Crowley and Rhonda Ave

Anderson, CA

Name, address, & telephone number of owner:

Anderson - Cottonwood Irrigation District

2810 Siver St

Anderson, CA 96007

(530) 365-7329

Architect or Engineer

Jerrod Swett

Architect or Engineer Phone Number

(530) 365-7329

Name, address, & telephone number of Construction Manager:

Zim Industries, Inc

4545 E Lincoln Ave

Fresno, CA 93725

(559) 834-1551

Brief description of work involved:

Drilled 14" x 795' water well

gravel pack, cement, swab development and test development

Total value of construction(including change orders):

\$745,605.00

Original schedule completion date:

October 15, 2012

Time extensions granted(number of days):

9

Actual date of completion:

October 24, 2012

Name of project:

Drill Well at Red Bluff Station

Location of project:

Wiley Wells Rd and I10  
Red Bluff, Ca

Name, address, & telephone number of owner:

Southern California Edison  
PO BOX 700  
Rosemead, CA 91770

Architect or Engineer

Dave Kindt

Architect or Engineer Phone Number

Name, address, & telephone number of Construction Manager:

Zim Industries, Inc  
4545 E Lincoln Ave  
Fresno, CA 93725  
(559) 834-1551

Brief description of work involved:

Drilled 12" x 692' water well  
gravel pack, cement, swab development and test development, Furnish and Install submersible  
pump.

Total value of construction(including change orders):

Original schedule completion date:

Time extensions granted(number of days):

Actual date of completion:

2011

1 Name, address, & telephone number of owner:  
Island Union Elementary School  
7799 21st Ave  
Lemoore, CA 932453  
(209) 239-9080

2 Name of project:  
DRILL WELL 21ST AVE AND FREMONT

3 Location of project:  
DRILL WELL 21ST AVE AND FREMONT  
Lemoore, CA

4 Brief description of work involved:  
Mobilization, 10" x 690' Well - PVC pipe, Set Conductor, Geophysical and Caliper Log  
Swabbing, Test Pumping, Well Disinfection

5 Contract amount:  
\$275,550.00

6 Date of completion of contract:  
Started June 2014 - Finished October 2014

7 Name, address, & phone number of architect or engineer:  
NV 5  
8795 Folsom Blvd, Suite 102  
Sacramento, CA 95826  
(916) 379-0690

8 Name of owner's project engineer:  
Linda Scroggs  
(916) 379-0690

1 Name, address, & telephone number of owner:  
CALIFORNIA WATER SERVICE  
1720 N FIRST ST  
SAN JOSE, CA 95112  
209-993-6472

2 Name of project:  
SSF STATION 1-22 SOUTH SAN FRANCISCO

3 Location of project:  
80 CHESTNUT AVE

4 Brief description of work involved:  
Drilled Water Wells - (1) pilot hole to 594', 175' of 3" grade b gravel feed pipe  
330' of 2" 304SS steel sounding tube, 86.5 hrs of well development

5 Contract amount:  
\$335,850.00

6 Date of completion of contract:  
8/21/10-12/31/10

7 Name, address, & phone number of architect or engineer:  
CALIFORNIA WATER SERVICE  
1720 N FIRST ST  
SAN JOSE, CA 95112  
209-993-6472

8 Name of owner's project engineer:  
TED COUGHLIN  
209-993-6472

1 Name, address, & telephone number of owner:  
SELF-HELP ENTERPRISES  
8445 W ELOWIN CRT  
VISALIA, CA 93290  
559-967-0665

2 Name of project:  
parksdale well no 4

3 Location of project:  
MADERA COUNTY SERVICE AREA 3

4 Brief description of work involved:  
Drilled Water Wells - (1) pilot hole to 505', 220' of 8" column pipe line and shaft  
35.5 hrs of well development, construct pump site,  
including masonry walls, discharge piping, electrical, and underground piping

5 Contract amount:  
\$624,596.12

6 Date of completion of contract:  
8-09 to 4-10

7 Name, address, & phone number of architect or engineer:  
SELF-HELP ENTERPRISES  
8445 W ELOWIN CRT  
VISALIA, CA 93290  
559-967-0665

8 Name of owner's project engineer:  
MIKE PARR  
559-967-0665

1 Name, address, & telephone number of owner:

CALIFORNIA WATER SERVICE

1720 N FIRST ST

SAN JOSE, CA 95112

209-993-6472

2 Name of project:

DRILL STOCKTON WELL 21-02

3 Location of project:

WEST H STREET

4 Brief description of work involved:

Drilled Water Wells - (1) pilot hole to 359', 175' of gravel feed pipe

175' of 3" sch. 40 steel sounding tube, 40.5 hrs of well development

5 Contract amount:

\$291,261.00

6 Date of completion of contract:

11/10/10-3/31/11

7 Name, address, & phone number of architect or engineer:

CALIFORNIA WATER SERVICE

1720 N FIRST ST

SAN JOSE, CA 95112

209-993-6472

8 Name of owner's project engineer:

TED COUGHLIN

209-993-6472

1 Name, address, & telephone number of owner:  
City of Firebaugh  
1133 P St  
Firebaugh, CA 93622  
(559) 659-2412

2 Name of project:  
DRILL WELL #17

3 Location of project:  
VASQUEZ AND 15TH  
Firebaugh, CA

4 Brief description of work involved:  
Mobilization, 16" x 218' Well, Set 30" Conductor, Geophysical Log  
Swabbing, Test Pumping, Well Disinfection

5 Contract amount:  
\$172,705.00

6 Date of completion of contract:  
Started May 2014 - Finished July 2014

7 Name, address, & phone number of architect or engineer:  
KENNEDY/JENKS CONSULTANTS  
10850 GOLD CENTER DR  
RANCHO CORDOVA, CA 95670  
(916) 858-2700

8 Name of owner's project engineer:  
ALEX PETERSON  
(916) 858-2700

1 Name, address, & telephone number of owner:  
Monterey Peninsula Water Management District  
5 Harris Court, Building G  
Monterey, CA 93940  
(805) 644-0470

2 Name of project:  
Santa Margarita ASR-2 Well Rehab Project

3 Location of project:  
General Moore Blvd and Lighthouse Ave

4 Brief description of work involved:  
Mobilization, Nylon Brushing, Pumping, Airlifting, Test Pumping,  
Chemical Injection, Swabbing

5 Contract amount:  
\$80,600.00

6 Date of completion of contract:  
Started December 2010 - Finished January 2011

7 Name, address, & phone number of architect or engineer:  
Monterey Peninsula Water Management District  
5 Harris Court, Building G  
Monterey, CA 93940  
(805) 644-0470

8 Name of owner's project engineer:  
Robert Marks  
(805) 620-2034



1 Name, address, & telephone number of owner:  
CITY OF DAVIS  
1717 FIFTH STREET  
DAVIS, CA 95616  
(916) 757-5686

2 Name of project:  
PRODUCTION WELL #34

3 Location of project:  
COMMUNITY GARDENS & FIFTH STREET

4 Brief description of work involved:  
Drilled Water Wells - (1) pilot hole to '1593, 633' of gravel fill pipe  
833' of sounding pipe, 23.5 hrs of well development

5 Contract amount:  
\$815,164.00

6 Date of completion of contract:  
10/09-1/10

7 Name, address, & phone number of architect or engineer:  
CITY OF DAVIS  
1717 FIFTH STREET  
DAVIS, CA 95616  
(916) 757-5686

8 Name of owner's project engineer:  
Matt Deusenberry  
(916) 757-5686

Name of project:

Drill Wells 13 and 14

Location of project:

Naval Air Station Lemoore

Lemoore, CA

Name, address, & telephone number of owner:

City of Lemoore

119 Fox St

Lemoore, CA 93245

(559) 924-6735

Architect or Engineer

David Jacobs

Architect or Engineer Phone Number

(559) 733-0440

Name, address, & telephone number of Construction Manager:

Zim Industries, Inc

4545 E Lincoln Ave

Fresno, CA 93725

(559) 834-1551

Brief description of work involved:

Drilled 2 16" x 1500' water wells

gravel pack, cement, swab development & test pumped.

Total value of construction(including change orders):

\$1,951,234.78

Original schedule completion date:

March 5, 2012

Time extensions granted(number of days):

92

Actual date of completion:

June 5, 2011

- 1 Name, address, & telephone number of owner:  
CITY OF LEMOORE  
711 CINNAMON DRIVE  
LEMOORE, CA 93245  
559-733-0440
- 2 Name of project:  
PRODUCTION WELL #13
- 3 Location of project:  
WEST HILLS COLLEGE/BUSH STREET
- 4 Brief description of work involved:  
Drilled Water Wells - (1) pilot hole to '1400, 880' of gravel fill pipe  
540' of sounding pipe, 80 hrs of well development
- 5 Contract amount:  
\$815,164.00
- 6 Date of completion of contract:  
3/10-5/10
- 7 Name, address, & phone number of architect or engineer:  
CITY OF LEMOORE  
711 CINNAMON DRIVE  
LEMOORE, CA 93245  
559-733-0440
- 8 Name of owner's project engineer:  
DAVID WLASCHIN  
559-733-0440

Name of project:

Drill Arroyo Seco Well

Location of project:

Van Buren and 191st  
Scottsdale, AZ

Name, address, & telephone number of owner:

Van Buren and 191st Water Well, LLC  
6900 E Second St  
Scottsdale, AZ 85251-5305  
(480) 946-9635

Architect or Engineer

Mark Voigt

Architect or Engineer

(480) 946-9635

Name, address, & telephone number of Construction Manager:

Zim Industries, Inc  
4545 E Lincoln Ave  
Fresno, CA 93725  
(559) 834-1551

Brief description of work involved:

Drilled 18" x 1200' water well  
gravel pack, cement, swab development & test pumped.

Total value of construction(including change orders):

\$577,488.00

Original schedule completion date:

May 1, 2012

Time extensions granted(number of days):

21

Actual date of completion:

May 22, 2012

1 Name, address, & telephone number of owner:  
Weber Basin Water Conservancy District  
2837 East Highway 193  
Layton, UT 93726

2 Name of project:  
North Weber Well

3 Location of project:  
2837 East Highway 193  
Ogden, UT

4 Brief description of work involved:  
Drilled pilot hole to 1,182', 4 zone tests, casing, screen, well development,  
test pump, & video log

5 Contract amount:  
\$745,467.37

6 Date of completion of contract:  
Started February 2006 - Finished June 2006

7 Name, address, & phone number of architect or engineer:  
Paul Hansen Associates, L.L.C.  
1073 East 11780 South  
Sandy, UT 84094  
(801) 879-4484

8 Name of owner's project engineer:  
Paul Hansen  
(801) 879-4484

Name of project:

Drilling and Construction and testing for 4800 West Well

Location of project:

W 12400 S

Riverton City, UT

Name, address, & telephone number of owner:

Riverton City

12830 South Redwood Rd

Riverton City, UT 84065

(801) 913-6801

Architect or Engineer

Clint Dilley

Architect or Engineer Phone Number

(801) 955-5605

Name, address, & telephone number of Construction Manager:

Zim Industries, Inc

4545 E Lincoln Ave

Fresno, CA 93725

(559) 834-1551

Brief description of work involved:

Drilled 16" x 1000' water well

gravel pack, cement, swab development and test development

Total value of construction(including change orders):

\$492,888.21

Original schedule completion date:

Februaury 27, 2012

Actual date of completion:

April 22, 2012

1 Name, address, & telephone number of owner:  
Monterey Peninsula Water Management District  
5 Harris Court, Building G  
Monterey, CA 93940  
(805) 644-0470

2 Name of project:  
Fitch School ASR Test Well Completion

3 Location of project:  
General Moore Blvd and Lighthouse Ave

4 Brief description of work involved:  
Drilled 925' Pilot Hole, Installed 940' of casing, Installed 693' of 3" diam SS  
Sounding Tube, 330" of Gravel Pack, Performed 211 hours of Well Development

5 Contract amount:  
\$1,187,959.00

6 Date of completion of contract:  
Started December 2010 - Finished January 2011

7 Name, address, & phone number of architect or engineer:  
Monterey Peninsula Water Management District  
5 Harris Court, Building G  
Monterey, CA 93940  
(805) 644-0470

8 Name of owner's project engineer:  
Robert Marks  
(805) 620-2034

1 Name, address, & telephone number of owner:

Riverstone Development

7405 N First St

Fresno, CA 93720

(559) 237-7000

2 Name of project:

DRILL WELL 21ST AVE AND FREMONT

3 Location of project:

DRILL WELL 21ST AVE AND FREMONT

Lemoore, CA

4 Brief description of work involved:

Mobilization, 16" x 900' Well, Set 32" Conductor, E-Log and Caliper Log

Swabbing, Test Pumping,

5 Contract amount:

\$475,030.00

6 Date of completion of contract:

Started August 2014 - Finished November 2014

7 Name, address, & phone number of architect or engineer:

Valley Development Co

265 E River Park Circle, Suite 310

Fresno, CA 93720

(559) 392-1832

8 Name of owner's project engineer:

Brian Partridge

(559) 392-1832



1 Name, address, & telephone number of owner:  
SALINAS PUMP COMPANY  
21935 ROSEHART WAY  
SALINAS , CA 93908  
831-422-4522

2 Name of project:  
BISHOP WELL 2-A

3 Location of project:  
DRIVING RANGE OF LAGUNA SECA

4 Brief description of work involved:  
Drilled Water Wells - (1) pilot hole to 720', 375' of gravel fill pipe  
350' of stainless steel tremie pipe, 213.5 hrs of well development

5 Contract amount:  
\$356,825.00

6 Date of completion of contract:  
9/18/10-12/31/10

7 Name, address, & phone number of architect or engineer:  
SALINAS PUMP COMPANY  
21935 ROSEHART WAY  
SALINAS , CA 93908  
831-422-4522

8 Name of owner's project engineer:  
AARON THORNTON  
831-422-4522

Name of project:

Drilling and Construction and Testing for Community Center Well

Location of project:

Main St and State St  
Farmington City, UT

Name, address, & telephone number of owner:

Farmington City  
720 West 100 North  
Farmington, UT 84025  
(801) 359-5565

Architect or Engineer

Mark Chandler

Architect or Engineer Phone Number

(801) 755-7730

Name, address, & telephone number of Construction Manager:

Zim Industries, Inc  
4545 E Lincoln Ave  
Fresno, CA 93725  
(559) 834-1551

Brief description of work involved:

Drilled 18" x 700' water well  
gravel pack, cement, zone tests, swab development and test development

Total value of construction(including change orders):

\$508,416.23

Original schedule completion date:

December 14, 2012

Actual date of completion:

June 5, 2012

1 Name, address, & telephone number of owner:  
KAWEAH CONSTRUCTION  
1911 N FINE AVE  
FRESNO, CA 93747  
209-745-2640

2 Name of project:  
NEW PRODUCTION WELL AT CITY OF GALT WASTE WATER TREATMENT PLANT

3 Location of project:  
TWIN CITIES RD AND 99

4 Brief description of work involved:  
Drilled Water Wells - (1) pilot hole to 572', 412' of gravel fill pipe  
163' of sounding pipe, 44 hrs of well development

5 Contract amount:  
\$260,187.00

6 Date of completion of contract:  
5/15/00-4/27/11

7 Name, address, & phone number of architect or engineer:  
KAWEAH CONSTRUCTION  
1911 N FINE AVE  
FRESNO, CA 93747  
209-745-2640

8 Name of owner's project engineer:  
JOE LAWRENCE  
209-745-2640

ARTICLE 4. EXPERIENCE AND TECHNICAL QUALIFICATIONS QUESTIONNAIRE

Personnel:

The Bidder shall identify the key personnel to be assigned to this project in a management, construction supervision or engineering capacity.

1. List each person's job title, name and percent of time to be allocated to this project:

20% - Project Manager - Ryan Zimmerman; General Manager - Robert Zimmerman 50%  
40% - Tool Pusher - Ruben Juarez; Operations Manager - William Zimmerman 10%  
40% - Tool Pusher - Victor Chavez; Pump Installer - Chad Haftsock 100%

2. Summarize each person's specialized education:

See Attached Resumes

3. List each person's years of construction experience relevant to the project:

See Attached Resumes

4. Summarize such experience:

See Attached Resumes

Bidder agrees that personnel named in this Bid will remain on this Project until completion of all relevant Work, unless substituted by personnel of equivalent experience and qualifications approved in advance by the District.

Changes Occuring Since Prequalification

If any substantive changes have occurred since Bidder submitted its prequalification package for this Project, Bidder shall list them below. If none are listed, Bidder certifies that no substantive changes have occurred.

None

## Resume

Curt B. Zimmerer  
1112 E. La Quinta Drive  
Fresno, CA 93720

### Experience

2000 – Present            Zim Industries, Inc., Fresno, CA – President & CEO.  
Have over 25 years of experience in financial management in the construction industry. Responsible for the financial management of projects for water well drilling, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include: long term strategic planning, annual budgeting and business planning, daily financial management, liaison between Bank and Corporation, liaison between Bonding Company and Corporation, and liaison between Insurance Company and Corporation. Actively manages the general manager / sales manager of both the Fresno and Bakersfield Divisions of Zim Industries, Inc. Experienced in all aspects of the sales, marketing, estimating, operations, finance, and financial and managerial reporting activities of the company.

1993 – 2000            Zim Industries, Inc., Fresno, CA – Controller.  
Responsible for the daily financial accounting and managerial accounting of the Corporation. Direct responsibilities include managing all financial accounting (accounts receivable, accounts payable, payroll, job costing, general ledger, general journals, and the preparation of financial statements), managing of all managerial accounting (job cost and revenue analysis, preparation of projections and forecasts, preparation of budgets, compare actual financial statement results to forecasts and budgets), and reporting to the CEO.

1991 – 1993            Floyd Johnston Construction, Clovis, CA – Assistant Controller.  
Direct responsibilities include preparation of work-in-process reports for uncompleted construction projects, preparation of adjusting general journal entries, preparation of financial statements, and reporting to the Controller.

1988 – 1991            Price Waterhouse, Bakersfield, CA – Staff Accountant / Senior.  
Direct responsibilities include auditing balance sheet accounts, analyzing income statement accounts, drafting financial statements, drafting footnotes to financial statements, assisting in the preparation of income tax returns, and reporting to Senior Staff Accountant and Manager.

### Education

1985 - 1988            California State University, Fresno, CA, BA in Business Administration with an Accounting Option – 1988.  
1983 - 1985            University of California, Los Angeles, CA, classes toward a political science major and an economics minor with an emphasis in accounting.

### Personal

Born in the United States, 52 years old, married with 4 children and 2 grandchildren, and in excellent health.

## PROFILE

Robert J. Zimmerer  
10331 N. Doheny  
Fresno, CA 93720

### Experience

1979 – Present            Zim Industries, Inc., Fresno, CA – V. P. & Sales Manager.

Have over 25 years experience in sales and general management in the construction industry. General Manager and Sales Manager of the Fresno location for water well drilling projects, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include annual sales forecasting and business planning, daily sales management, estimating & bidding contract jobs and negotiated agricultural projects, daily general management of the Fresno location, oversee the billing and collection of all sales accounts and reporting to the CEO.

1978 – 1979            Lindsay Manufacturing Co., Lindsay, NE – Engineer-in-Training.

Worked in new products division on the development of aluminum center pivot, calibration of stresses on pivots and new shop drawings.

1975 – 1975            Behlen Manufacturing Co., Columbus, NE – Welder.

Welding and fabrication of steel beams used in the construction of large steel buildings.

1973 – 1974            Lindsay Manufacturing Co., Lindsay, NE – Welder.

Welding of Zimmatic pivot products in the R&D department testing of a water drive pivot system.

### Education

1976 - 1978            University of Nebraska, Lincoln, NE, BS in Agricultural Engineering – December 1978.

1974 – 1976            Platte Community Junior College, Columbus, NE.

### Personal

Born in the United States, 61 years old, married with 2 children, 2 grandchildren and in excellent health. Hobbies: Play golf and yard work at home.

## PROFILE

William P. Zimmerer  
1660 N. Filbert  
Clovis, CA 93611

### Experience

1979 – Present          Zim Industries, Inc., Fresno, CA – V. P. & Operations Manager.

Have over 25 years experience in operations management in the construction industry. Operations Manager of the Fresno location for water well drilling projects, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include operations management and business planning, daily project management of jobs, oversee the hiring and dispatching of employees, maintaining and dispatching equipment, purchasing of job materials and reporting to the Fresno General Manager. Direct responsibility for annual production of \$12 million in projects and over 50 employees.

1978 – 1979          Lindsay Manufacturing Co., Lindsay, NE – Junior Engineer.

Worked in new products engineering division on the development of a new type of automated sprinkler system, the Zimmatic Lateral Move.

1974 – 1977          Lindsay Manufacturing Co., Lindsay, NE – Junior Engineer.

Worked over the summer in new products engineering division on the development of the Zimmatic Corner Center Pivot.

Sept. – Dec. 1973      Lindsay Manufacturing Co., Lindsay, NE – Junior Engineer.

Worked directly with the Engineering Department constructing and testing prototypes of new products.

Summer 1973          Lindsay Manufacturing Co., Lindsay, NE – Serviceman.

Spent the summer traveling throughout the Midwest working with dealers in the repair and maintenance of sprinkler systems.

### Education

1975 –1978          California Polytechnic State University, San Luis Obispo, CA, BS  
in Mechanical Engineering with an emphasis in Mechanical  
Design – December 1978.

### Personal

Born in the United States, 63 years old, married with 3 children, and in excellent health.

**Brian P. Zimmerer**  
**Date of Birth: December 4, 1966**

**Education:** Clovis West High School  
Graduate, 1985

Fresno City College  
Graduate, 1991

Cal State University, Fresno  
Graduate, 1994

**Experience:** Zim Industries, Inc. Fresno, CA  
1987-1990 Pump Helper, Trencher Operator  
Helped on setting deep turbine pumps, submersible pumps and recondition used pumps. Operator of 2 ft bottom laser trencher and surveyor.

1995-1996 Drill Rig Helper

1996-1997 Drilling Coordinator & Tool Pusher  
Coordinated rigs, personnel, and paperwork throughout the complete well drilling process.

1997- Present – Drilling Coordinator / Superintendent / Project Manager  
Coordinating all phases of construction, workers, material, machinery, and paper workflow throughout the drilling process.



Victor Chavez  
6361 S Cedar Ave.  
Fresno, CA 93725  
(559) 240-2923

**Capabilities & Skills:**

- Reverse Rotary Drilling
- Coordinating all phases of construction, workers, material machinery, and paper workflow throughout the drilling process
- Certificate for “Lift Truck Safety Course”
- 40 Hours OSHA – HAZWOPER
- CPR & First Aid Certified

**Professional Experiences:**

**November 2013 – Current**

Zim Industries, Inc. - Fresno, CA

Title: Tool Pusher / On-Site Project Superintendent / Drill Site Supervisor

- Oversee onsite rig operations to ensure the operations are conducted safely and in compliance with safety rules, running efficiently, quality work is being performed and meet customer expectations.
- Ensure equipment is being properly serviced, paperwork is being completed correctly and timely, and make corrections as needed.
- Provide proper guidance and direction to rig crew on tasks to be performed, enforces safe work practices, and conducts training sessions as necessary.
- Coordinates with Drilling Division Manager and consults with Human Resources on personnel issues including: staffing, discipline, promotions, rig morale, possible employee conflicts, transfers and terminations.

**2006 – November 2013**

Zim Industries, Inc. - Fresno, CA

Title: On-Site Project Superintendent / Drill Site Supervisor

- Oversee onsite rig operations to ensure the operations are conducted safely and in compliance with safety rules, running efficiently, quality work is being performed and meet customer expectations.
- Ensure equipment is being properly serviced, paperwork is being completed correctly and timely, and make corrections as needed.
- Provide proper guidance and direction to rig crew on tasks to be performed, enforces safe work practices, and conducts training sessions as necessary.

**2003 – 2006**

Zim Industries, Inc. – Fresno, CA

Title: Reverse Rotary Driller

Drilled water wells for various Municipalities; Water Districts; and Agricultural Customers up to 2500 feet depth in the Western United States

## PROFILE

Chad Hartsock, Well Rehabilitation Equipment Operator & Pump Installer, Employee  
2344 E. Richmond Avenue  
Fresno, California 93720  
(559)-351-3431

### Capabilities and Skills:

- Well Rehabilitation Equipment Operator & Pump Installer.
- Coordinating all phases of well rehabilitations and pump installations, workers, material, machinery, and paper workflow throughout the well rehabilitation and or pump installation process.
- Certificate for “Lift Truck Safety Course”
- 40 Hours OSHA – HAZWOPER
- CPR and First Aid Certification
- Welding Certification

### Work History:

Zim Industries, Inc. - Fresno, California 2012 – Present  
Title: Well Rehabilitation Equipment Operator & Pump Installer

Responsible for operating equipment and managing helpers during the performance of water well rehabilitation projects, pump installation projects, development phases of water well construction projects, and well destruction and abandonment projects. Extensive experience rehabilitating deep large diameter water wells throughout the western United States. Perform air bursting well rehabilitations utilizing air burst gun, air compressor and equipment set for capacities up to 2,500 psi. Perform physical brushing and surging of water wells with a dual swab tool and bailing and pumping debris from well. Mixing acid, chlorine and other chemical well treatments, injecting chemicals into well using a dual swab tool and pumping off well until chemicals are evacuated and well water is clear. Install pump testing equipment and perform well development pumping, step drawdown tests and constant rate tests. Vast experience as a pump installer and has over 5 years of pump rig operation experience.

Zim Industries, Inc. – Fresno, California 2009 – 2012  
Title: Pump Installer Helper

Performed pump installer helper duties during water well rehabilitation projects, pump installation projects, development phases of water well construction, and well destruction and abandonment projects. Extensive experience rehabilitating deep large diameter water wells throughout the western United States. Perform air bursting well rehabilitations utilizing air burst gun, air compressor and equipment set for capacities up to 2,500 psi. Perform physical brushing and surging of water wells with a dual swab tool and bailing and pumping debris from well. Mixing acid, chlorine and other chemical well treatments, injecting chemicals into well using a dual swab tool and pumping off well until chemicals are evacuated and well water is clear. Install pump testing equipment and perform well development pumping, step drawdown tests and constant rate tests. Vast experience as a pump installer helper and has over 3 years of pump rig helper experience.



## BAKERSFIELD WELL & PUMP CO.

7212 Fruitvale Ave. - Bakersfield, CA 93308 • (661) 393-9661 FAX (661) 393-9647

John C. Zimmerer  
15152 Thunder Valley Rd.  
Bakersfield, CA 93314

### Experience

2008 – Present      Zim Industries, Inc. dba Bakersfield Well & Pump Co.  
V.P. General Manager

I have taken over the General Manager position for the three year. I am in charge of the Bakersfield Division. Including over site of all sales, operations, financial, and general overview of the Bakersfield Branch.

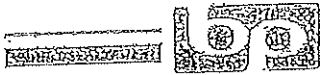
1986 – 2008      Zim Industries, Inc., Fresno, CA  
V.P. & Operations Manager

With over 25 years experience in-field operations and 18 years experience in operations management in the construction industry. Operations Manager of the Bakersfield location for water well drilling projects, well site improvements, pump installation, concrete slip lining and irrigation systems through out the Western United States. Direct responsibilities include operations management and business planning, daily project management of jobs, oversee the hiring and dispatching of employees, maintaining and dispatching equipment, purchasing of job materials and reporting to the Bakersfield General Manager.

### Education

1990 – 1993      California State University, Fresno, CA, BA in Business  
Administration – 1993

1988 – 1990      Fresno City Junior College, Fresno, CA.



## BAKERSFIELD WELL & PUMP CO.

7212 Fruitvale Ave. • Bakersfield, CA 93308 • (661) 393-9661 FAX (661) 393-9647

Kevin A. Newlen  
14116 Prestonbrook Dr.  
Bakersfield, CA 93314

Work Experience    Bakersfield Well and Pump Co. Bakersfield, Ca    2000-Present  
A Division of Zim Industries  
*Drilling Superintendent*

- Coordinate Drilling and Completion activities for 4 Drilling Rigs
- Control and Manage all Logistics
- Manage Drilling and Logistics Personnel
- Meet with Potential Clients to Plan Wells
- Arrange Permits and Licenses needed to Drill Wells
- Coordinate Large Diameter Wells for State, County and City Agencies
- Coordinate and Plan Water Well Drilling Operations for Chevron Texaco

Bakersfield Well and Pump Inc. Bakersfield, Ca    1992-2000  
A Division of Zim Industries  
*Tool Pusher & Driller*

- Manage Personnel and Equipment during Drilling Process
- Operate Drilling Rig

### Skills and Certification

- 20 yrs Drilling Industry Knowledge and Experience
- Tradition Circulation Methods (Direct Circulation)
- Reverse Circulation Drilling
- Well Hydraulics and Drilling Fluids
- Equipment Management
- Nevada State Licensed Driller
- Personnel Management
- Current Class A with Endorsements
- Hydro Crane Operation (15 Ton)
- Heavy Equipment Operation
- Certified Forklift Driver
- Certified Welder (Horizontal Fillet Welding)

**Additional Bidder's Statements:**

If the Bidder feels that there is additional information which has not been included in the questionnaire above, and which would contribute to the qualification review, it may add that information in a statement here or on an attached sheet, appropriately marked:

See Attached Statement of Qualifications and  
Capabilities.

**ARTICLE 5. VERIFICATION AND EXECUTION**

These Bid Forms shall be executed only by a duly authorized official of the Bidder:

I declare under penalty of perjury under the laws of the State of California that the foregoing information is true and correct:

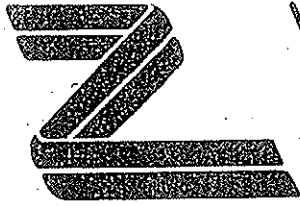
Name of Bidder Zim Industrial, Inc. dba Bakerfield Well & Pump Company

Signature Curt B. Zimmerer

Name Curt B. Zimmerer

Title President

Date 8-16-2018



# ZIM INDUSTRIES, INC.

4532 E. Jefferson Ave. • Fresno, CA 93725  
Ph. (559) 834-1551 • FAX (559) 834-5156  
www.zimindustries.com

## Statement of Contractor Qualifications and Capabilities

### 1. Name and Address of Contractor:

#### Fresno Division

Zim Industries, Inc.  
4532 E. Jefferson Ave.  
Fresno, CA 93725  
E-mail address: zim@zimindustries.com

Contact Person: Robert J. Zimmerer  
Phone Number: (559) 834-1551  
Fax Number: (559) 834-5156

#### Bakersfield Division

Bakersfield Well & Pump Co.  
7212 Fruitvale Ave.  
Bakersfield, CA 93308  
E-mail address: jzimmerer@bwpumps.com

Contact Person: John C. Zimmerer  
Phone Number: (661) 393-9661  
Fax Number: (661) 393-9647

### 2. Company History/Profile & Number of Years of Contracting Experience:

Zim Industries, Inc., dba Bakersfield Well & Pump Co. (Zim) is currently in its 38th year of business and is headquartered in Fresno, California. We were incorporated in the State of California on August 7, 1979. Since April of 1993, Zim has also conducted business as Bakersfield Well & Pump Co. (d.b.a.) located in Bakersfield, California. Zim provides products and services for a wide range of water services to municipal, corporate and private farming operations. These water industry products and services include water well drilling; irrigation systems; water well pumps, motors and equipment; and concrete-lined irrigation water supply ditches.

Zim is known in the water well drilling industry for its high-quality water wells. We have a large base of highly satisfied customers due to quality of the products and services that we provide. We drill, construct and develop water wells with high specific capacities throughout the western United States. We construct straight and near sand-free production / ASR injection wells that prolong the life of the owners' pumping equipment. Zim ensures well straightness during the drilling phase of water well construction by using the proper drill stem and by constantly monitoring any borehole deviations. We ensure near sand-free wells by matching the gravel pack to the existing formation through the use of sieve analysis during the well design phase of well construction. Zim also promotes the use of high quality materials during the construction phase of the water well project to prolong the well life. By using higher quality gravel pack material (i.e. Colorado Silica); we can construct the water well with a more round and efficient gravel pack less susceptible to closing up. By using a higher quality, larger thickness or different type of casing material (i.e. Roscoe Moss, Johnson Well Screen), we can construct the water well with casing that is less susceptible to rusting out or dissolving due to electrolysis. Where specified we ensure good water quality in the wells we

construct by performing accurate water quality testing during the aquifer zone-testing phase of water well construction. Zim utilizes highly qualified personnel and highly maintained equipment managed by a management team possessing the technical knowledge and experience to properly construct any water well project. In addition, Zim has the capability to construct water wells on tight job sites and to provide sound control where necessary. Zim works with the customer and engineer to properly design the water well for each specific location. In the past, we have constructed double-cased wells, under-reamed wells, ASR injection wells, and wells with seals and blank casing to block the production of water with poor quality or containing contaminants. Zim utilizes the air reverse rotary, the conventional fluid rotary and the conventional air rotary methods to construct water wells. Zim has provided water well drilling services for the installation of potable water production / ASR injection wells with dimensions as large as 10 feet in diameter or as deep as 3000 feet in locations throughout the Western United States. We have the capability and capacity to complete projects with dimensions as wide as 10 feet in diameter or projects as deep as 5,000 feet.

In addition to water well drilling, Zim is also engaged in pump sales, service & repairs and irrigation systems sales, service & repairs for corporate and private farming operations for both existing and new agricultural developments within the Central Valley of California. Zim's focus is to provide corporate and private farming operations with efficient irrigation and pump delivery systems designed to deliver the required GPM water flow rates needed for their tree and row crops.

### 3. Service Description:

#### Water Well Drilling Services

- . Water well construction
- . Water well deepening
- . Water well repair / swaging
- . Water well abandonment / destruction
- . Water well rehabilitation: chemically treat with acid / chlorine, brush / swab, airlift / test pump development, air burst.

#### Irrigation System Sales and Services

- . Zimmatic center pivot irrigation system sales and service
- . Zimmatic MAXfield corner center pivot system sales and service
- . Zimmatic lateral move irrigation system sales and service
- . Install and maintain media filter stations and drip irrigation systems for various farming operations
- . Install and repair underground pipelines
- . Install and repair above ground drip irrigation systems
- . Maintain irrigation systems for corporate and private farming operations for tree crops (pistachios, almonds, vineyards, avocados, oranges, lemons, limes, etc.) and row crops (cotton, corn, tomatoes, etc.)
- . Design irrigation systems as required for specified plant's respiration rate
- . Provide irrigation management as needed to corporate and private farming operations
- . Build irrigation systems per engineer's design
- . Provide flow charts as required for water conservation to various farming operations

. Aluminum / PVC pipe  
Water Well Equipment Sales and Services

- . Vertical turbine pumps
- . Gear drives
- . Diesel engines
- . Electric motors
- . Submersible pumps
- . Water storage tanks
- . Column pipe
- . Tube and shaft
- . Pump bowls
- . Electrical pump panels
- . Pump repair and service

Water Supply Concrete-Lined Ditch Services

- . Trapezoidal concrete-lined ditches
- . Trapezoidal earthen ditches
- . Water supply ditch repair and service

#### 4. Applicable Contractor Licenses:

##### CALIFORNIA

California Contractors State License Board License Number is 440537, Class A, C57, C61/D21

Expiration Date: June 30, 2019

##### ARIZONA

Arizona Registrar of Contractors License Number is ROC113468, Class A – General Engineering

Expiration Date: March 31, 2020

Arizona Department of Water Resources Well Driller's License Number is 185

Expiration Date: June 30, 2019

##### NEVADA

Nevada Registrar of Contractors License Number is 0037248, Class C23 – Drilling Wells & Install Pumps

Expiration Date: July 31, 2019

##### UTAH

Utah Department of Natural Resources Division of Water Rights Well Driller's License Number is 697 – Mud Rotary, Reverse Rotary

Expiration Date: June 30, 2020

##### NEW MEXICO

New Mexico Office of the State Engineer

Well Driller's License Number is WD-1694 – Reverse Rotary Circulation Drilling

Expiration Date: August 31, 2019

#### 5. Listing of Contractor's Equipment Available for Service:

Water Well Drilling Services

- . (Two) 360 Challenger Drilling Rigs equipped with 9 5/8" O.D. drill pipe with 12" O.D. DI-12 tool joints & 16" drill collars, capable of drilling a 42" diameter hole to a depth of 3,000 feet and a weight capacity of 200,000 lbs.



- . (Four) 320 Challenger Drilling Rigs equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 12" drill collars, capable of drilling a 36" diameter hole to a depth of 2,000 feet and a weight capacity of 160,000 lbs.
- . (One) 2500 Gardner Denver Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 12" drill collars, capable of drilling a 36" diameter hole to a depth of 2,000 feet and a weight capacity of 160,000 lbs.
- . (One) 3000 Midway Drilling Rig equipped with 8 5/8" O.D. drill pipe with 11" O.D. hacker tool joints & 16" drill collars, capable of drilling a 36" diameter hole to a depth of 1,500 feet and a weight capacity of 140,000 lbs.
- . (One) Ideco Rambler Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 16" drill collars, capable of drilling a 32" diameter hole to a depth of 1,750 feet and a weight capacity of 140,000 lbs.
- . (One) 128 Challenger Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 16" drill collars, capable of drilling a 32" diameter hole to a depth of 1,200 feet and a weight capacity of 90,000 lbs.
- . (One) Howard-Turner Drilling Rig equipped with 7" O.D. drill pipe with 8 1/2" O.D. I.F. tool joints & 16" drill collars, capable of drilling a 32" diameter hole to a depth of 1,200 feet and a weight capacity of 100,000 lbs.
- . (Two) JED A Drilling Rigs equipped with 6" O.D. drill pipe with 7 1/2" O.D. I.F. tool joints & 10" drill collars, capable of drilling a 28" diameter hole to a depth of 700 feet and a weight capacity of 60,000 lbs.
- . (One) 5200-D Howard-Turner Drilling Rig equipped with 4" O.D. drill pipe with 4 1/2" O.D. I.F. tool joints & 6" drill collars, capable of drilling a 12" diameter hole to a depth of 1,500 feet and a weight capacity of 40,000 lbs.

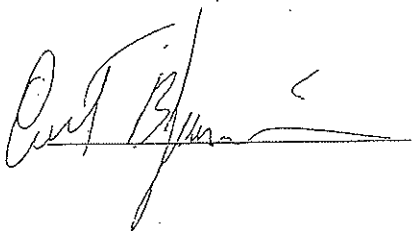
#### Water Well Equipment Sales and Services

- . (Fourteen) Pump Rigs capable of pulling and setting pumps weighing up to 75 tons.
- . Test Engines capable of generating up to 1,730 H.P.
- . Test Pumps of various sizes ranging from 25 G.P.M. up to 7,000 G.P.M.

#### Water Supply Concrete-Lined Ditch Services

- . (One) Trencher capable of trenching a trapezoidal ditch with a width ranging from 4 feet to 8 feet on the bottom and a vertical depth up to 8 feet.
- . (One) JETCO Trencher capable of trenching a trapezoidal ditch with a width of 2 feet on the bottom and a vertical depth ranging from 2 feet up to 4 feet.
- . (One) Cleveland Trencher capable of trenching a trapezoidal ditch with a width of 1 foot on the bottom and a vertical depth ranging from 1 foot up to 3 feet.

Summaries of experience on similar projects completed by Zim Industries, Inc., dba Bakersfield Well & Pump Co. and additional references are available upon request. Zim Industries, Inc., dba Bakersfield Well & Pump Co. hereby certifies that the equipment, personnel, and procedures proposed for your project are both qualified and capable to successfully complete the water service specified by your organization.



Curt B. Zimmerer, President – Zim Industries, Inc., dba Bakersfield Well & Pump Co.



711 West Cinnamon Drive • Lemoore, California 93245 • (559) 924-6700 • Fax (559) 924-6708

## Staff Report

Item No: 4-1

**To: Lemoore City Council**

**From: Steve Brandt, City Planner**

**Date: August 15, 2018**

**Meeting Date: September 13, 2018**

**Subject: Adoption of Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the City of Lemoore/Leprino Foods Combined Effluent/Recycled Water Discharge to Stone Ranch.**

### **Strategic Initiative:**

- |   |  |
|---|--|
| <input type="checkbox"/> Safe & Vibrant Community                       | <input type="checkbox"/> Growing & Dynamic Economy |
| <input type="checkbox"/> Fiscally Sound Government                      | <input type="checkbox"/> Operational Excellence    |
| <input checked="" type="checkbox"/> Community & Neighborhood Livability | <input type="checkbox"/> Not Applicable            |

### **Proposed Motion:**

Adopt the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the City of Lemoore/Leprino Foods combined Effluent/Recycled Water Discharge to Stone Ranch and authorizing the City Manager to issues letters of support for the project upon review and approval of City Attorney.

### **Subject/Discussion:**

Leprino Foods operates two manufacturing facilities in Lemoore. Together, these facilities generate approximately 2.75 million gallons of wastewater per day, which is treated at Leprino's wastewater treatment facility at 1250 S. 19th Avenue in Lemoore (the "Leprino WWTF"). This treated wastewater is referred to as "Leprino Water".

The City of Lemoore ("City") treats approximately 1.25 million gallons of wastewater from other (non-Leprino) sources at the City's wastewater treatment facility at 1145 S. 18 1/2 Avenue in Lemoore (the "City WWTF"), which is adjacent to the Leprino WWTF. This treated wastewater is referred to as "City Water." Leprino Foods conveys the Leprino Water to the adjacent City WWTF, where the City combines it with the City Water. This combination is referred to as the "Discharge Water."

*"In God We Trust"*

Leprino Foods has entered into an agreement with Sandridge, entitled the 2018 Water Conveyance, Acceptance, Release, Pipeline Construction and Farm Lease Agreement dated January 11, 2018 (the “Leprino Sandridge Agreement”). This agreement provides that Westlake and Sandridge will continue to take the combined City and Leprino wastewater in exchange for certain promises including Leprino’s agreement to manage the water and lease land owned by Sandridge, which will become the new discharge property.

Due to the fact that the process for approvals to make the discharge location identified in the Leprino Sandridge Agreement have not been finalized with the regulatory agencies, the City and Leprino believe it is prudent to identify alternate locations for the discharge of the wastewater or for wastewater overflow should it become necessary. An alternative cite has been identified. The specific pipeline alignment has now been determined and the potential environmental impacts of the pipeline have been analyzed in accordance with the California Environmental Quality Act (CEQA). Based on the analysis, City staff has prepared a Mitigated Negative Declaration and accompanying Mitigation Monitoring and Reporting Plan, which are attached.

The City of Lemoore, as lead agency, is responsible to adopt the Mitigated Negative Declaration and accompanying Mitigation Monitoring and Reporting Plan. The document has been circulated to responsible and trustee agencies and noticed in accordance with CEQA Guidelines. The Environmental Assessment found no impacts which could not be mitigated to less than a significant level. The Mitigation Monitoring and Reporting Plan lists and schedules the implementation of recommended mitigation measures and designates the responsibility for such implementation or its surveillance.

**Financial Consideration(s):**

Financial impacts continue to be estimated per the March 18, 2018, agreement.

**Alternatives or Pros/Cons:**

Adoption of an environmental document for the project in accordance with CEQA is required by State law.

**Commission/Board Recommendation:**

None

**Staff Recommendation:**

City staff recommends that the Council adopt, by motion, the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the City of Lemoore/Leprino Foods combined Effluent/Recycled Water Discharge to Stone Ranch.

**Attachments:**

- Resolution:
- Ordinance:
- Map
- Contract
- Other

List: Mitigated Negation Declaration  
Mitigation Monitoring and Reporting Plan

**Review:**

- Asst. City Manager
- City Attorney
- City Clerk
- City Manger
- Finance

**Date:**

- 08/30/18
- 08/30/18
- 08/29/18
- 08/29/18

# **MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)**

## ***Introduction***

State and local agencies are required by Section 21081.6 of the California Public Resources Code and CEQA Guidelines Section 15097 to adopt a mitigation measure monitoring and reporting program when CEQA findings require mitigation.

Lead agencies are given broad latitude in developing programs to meet the requirements of Public Resources Code Section 21081.6. The mitigation monitoring and reporting program (MMRP) outlined in this document is based upon guidance issued by the Governor's Office of Planning and Research.

This MMRP establishes monitoring and reporting processes for mitigation measures identified in the Mitigated Negative Declaration (MND) for the City of Lemoore/Leprino Foods Combined Effluent Discharge to the Stone Ranch. The MMRP lists the significant impacts identified in the MND, the adopted mitigation measures that reduce each significant impact, the person or agency responsible for implementing the measures, and the agency or agencies responsible for monitoring and reporting on the implementation of the mitigation measures.

## ***The MMRP***

The City of Lemoore will ensure that MND facilities are implemented with the recommended mitigation measures. The MMRP is presented herewith.

### Mitigation Monitoring and Reporting Program

Impact	Mitigation Measures	Implementation	Monitoring	Timing
<b>Biological Resources</b>				
<p>Impact #3.4.4a – Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?</p>	<p><b>MM BIO-1:</b> Prior to construction activities in the Valley Sink Scrub habitat, a pre-construction survey for the San Joaquin woollythreads and the California jewelflower shall be performed. The survey shall occur during the appropriate flowering period for these species. If these species are found to occur and cannot be avoided by the Project, then CDFW and/or USFWS shall be notified within 10 days prior to construction activities to allow CDFW and/or USFWS to perform a salvage operation.</p> <p>The Project footprint shall be reduced to the minimum area possible to allow the pipeline (and pump station) to be installed, and the topsoil from the trench (the top 6-inches) shall be removed and stockpiled separately from the remaining soil removed from the trench. The topsoil shall be covered during storage. Once the trench has been backfilled, the topsoil shall be distributed over the top of the backfilled trench and compacted. This process will allow for any seedbank present in the topsoil to be retained in the uppermost soil.</p> <p><b>MM BIO-2:</b></p> <ul style="list-style-type: none"> <li>a. A pre-construction survey of potential giant garter snake habitat shall be completed by a qualified biologist no more than 24 hours prior to ground disturbance activities. A qualified biological monitor shall be onsite during vegetation removal in potential giant garter snake habitat and within 200 feet of potential giant garter snake habitat. This habitat is limited to the vegetated drainage ditch near its crossing of State Route 198 and the area south of Jackson Avenue.</li> <li>b. Vegetation removal within 200 feet of suitable giant garter snake aquatic habitat shall be confined to the minimal area necessary to allow for the installation of the pipeline (and pump station). Movement of heavy</li> </ul>	<p>Project contractor</p>	<p>City of Lemoore Public Works Department</p>	<p>During project construction</p>

Impact	Mitigation Measures	Implementation	Monitoring	Timing
	<p>equipment shall be confined to existing roadways or temporary construction access roads established during construction.</p> <p>c. If a giant garter snake is observed in the construction area, all activities shall cease, and qualified biologist shall be notified immediately. The snake shall be allowed to leave on its own and activities shall not resume until the snake has moved out of the area on its own. If the snake does not vacate the area on its own, activities must be suspended and USFWS and CDFW shall be contacted. If a giant garter snake is found and cannot be avoided, Incidental Take Permits may need to be acquired. USFWS and CDFW shall be notified by telephone or email within 24 hours of a giant garter snake observation.</p> <p><b>MM BIO-3:</b></p> <p>a. A survey for the western pond turtle shall be conducted by a qualified biologist within 14 days prior to beginning of construction. This may be combined with other pre-construction surveys.</p> <p>b. A biological monitor shall be on-site during all vegetation removal activities within 200 feet of habitat capable of supporting the western pond turtle. If any turtles are encountered in the Project during construction, construction shall halt until the qualified biologist determines the species of turtle. If it is not a western pond turtle, work may continue.</p> <p>c. If a western pond turtle is found, all work within 100 feet of the turtle shall stop until the turtle vacates the area of its own accord or the area where the turtle occurs can be protected using exclusion fencing. If the installation of exclusion fencing is not practical, then the turtle may be relocated away from the construction site, into nearby suitable habitat, by a qualified biologist.</p>			

Impact	Mitigation Measures	Implementation	Monitoring	Timing
	<p><b>MM BIO-4:</b> A pre-construction survey shall be conducted for the western burrowing owl within 14 days of the start of construction. If any burrowing owl burrows are observed during the preconstruction survey, avoidance measures shall be consistent with those included in the CDFW staff report on burrowing owl mitigation (CDFG 2012). If occupied burrowing owl burrows are observed outside of the breeding season (September 1 through January 31) and within 500 feet of proposed construction activities, a passive relocation effort may be instituted in accordance with the guidelines established by the <i>Burrowing Owl Survey Protocol and Mitigation Guidelines</i> (California Burrowing Owl Consortium 1993) and the <i>Staff Report on Burrowing Owl Mitigation</i> (CDFW 2012). During the breeding season (February 1 through August 31), a 250-foot (minimum) buffer zone shall be maintained unless a qualified biologist verifies through noninvasive methods that either the birds have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent survival. If necessary, passive relocation may be conducted to remove burrowing owls from the Project site, but only after approval has been obtained from the California Department of Fish and Wildlife. Passive relocation would only be conducted by a qualified biologist.</p> <p><b>MM Bio-5:</b> A pre-construction survey shall be conducted for the San Joaquin kit fox within 14 to 30 days of the start of construction. The project proponent shall follow the <i>USFWS Standardized Recommendations for Protection of the San Joaquin Kit Fox Prior to or During Ground Disturbance</i>.</p> <p>If any San Joaquin kit fox dens are found during preconstruction surveys, the status of the dens shall be evaluated prior to project ground disturbance. Provided that no evidence of kit fox occupation is observed, potential dens shall be marked, and a 50-foot avoidance buffer delineated using stakes and flagging or other similar material to prevent inadvertent damage to the potential den. If a potential den cannot be avoided, it may be hand-excavated following United States Fish and Wildlife Service</p>			

Impact	Mitigation Measures	Implementation	Monitoring	Timing
	<p>standardized recommendations for protection of the San Joaquin kit fox prior to or during ground disturbance. If kit fox activity is observed at a den, the den status shall change to “known” per United States Fish and Wildlife Service guidelines (1999) and the buffer distance shall be increased to 100 feet. Absolutely no excavation of San Joaquin kit fox known or pupping dens shall occur without prior authorization from the United States Fish and Wildlife Service and California Department of Fish and Wildlife.</p> <p><b>MM BIO-6:</b> The measures listed below shall be implemented during construction and operation of the Project to protect the American badger and San Joaquin kit fox.</p> <ul style="list-style-type: none"> <li>a. Project-related vehicles shall observe a 20-mph speed limit in all Project areas, except on County roads and State and Federal highways; this is particularly important at night when kit foxes and badgers are most active. Nighttime construction shall be avoided, unless the construction area is appropriately fenced to exclude badgers kit foxes. The area within any such fence must be determined to be uninhabited by San Joaquin Kit foxes or American badgers prior to initiation of construction. Off-road traffic outside of designated Project areas shall be prohibited.</li> <li>b. To prevent inadvertent entrapment of kit foxes, badgers, or other animals during the construction phase of the Project, all excavated, steep-walled holes or trenches more than 2 feet deep shall be covered prior to the end of each working day by plywood or similar materials, or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they shall be thoroughly inspected for trapped animals. If at any time a trapped or injured kit fox is discovered, the qualified biologist, USFWS and CDFW shall be contacted for advice.</li> </ul>			



Impact	Mitigation Measures	Implementation	Monitoring	Timing
	<p>c. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipe, becoming trapped or injured. All construction pipes, culverts, or similar structures with a diameter of 4-inches or greater that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in anyway. If a kit fox is discovered inside a pipe, that section of pipe shall not be moved until the USFWS has been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved once to remove it from the path of construction activity, until the fox has escaped.</p> <p>d. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in closed containers and removed at least once a week from a construction or Project site.</p> <p>e. No pets shall be permitted on the Project site.</p> <p>f. Use of rodenticides and herbicides in Project areas shall be restricted. This is necessary to prevent primary or secondary poisoning of kit fox and the depletion of prey populations on which they depend. All uses of such compounds shall observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and federal legislation, as well as additional Project-related restrictions deemed necessary by the USFWS. If rodent control must be conducted, zinc phosphide shall be used because of a proven lower risk to kit fox.</p> <p>g. No plants or wildlife shall be collected, taken, or removed from the construction areas or areas of offsite improvements, except as necessary for Project-related vegetation removal or wildlife relocation. Salvage of</p>			

Impact	Mitigation Measures	Implementation	Monitoring	Timing
	<p>native vegetation to be removed from construction areas is encouraged but shall only be performed by qualified biologists and with written approval from the CDFW.</p> <p>h. A representative shall be appointed by the Project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox, or who finds a dead, injured or entrapped individual. The representative's name and telephone number shall be provided to the USFWS and CDFW.</p> <p>i. In the case of trapped animals, escape ramps or structures shall be installed immediately to allow the animal(s) to escape, or the USFWS and CDFW shall be contacted for advice.</p> <p>j. Any contractor, employee(s), or military or agency personnel who inadvertently kills or injures a San Joaquin kit fox shall immediately report the incident to their representative. This representative shall contact the CDFW immediately in the case of a dead, injured or entrapped kit fox. The CDFW contact for immediate assistance is State Dispatch at (916) 445-0045. They would contact the local warden or qualified biologist.</p> <p>k. The USFWS and CDFW shall be notified in writing within three working days of the accidental death or injury to a San Joaquin kit fox during Project-related activities. Notification shall include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information.</p> <p>l. The above listed measures would also protect American badgers.</p> <p><b>MM BIO-7:</b> If Project construction takes place entirely between September 16 and February 28, it would avoid the breeding season of Swainson's hawk and no measures would need to be</p>			

Impact	Mitigation Measures	Implementation	Monitoring	Timing
	<p>implemented. If any portion of Project construction takes place between March 1 and September 15, protocol-level Swainson's hawk surveys shall be conducted. The two Swainson's hawk survey periods immediately prior to beginning of construction shall be conducted following the <i>Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley</i> (Swainson's Hawk Technical Advisory Committee 2000). If an active Swainson's hawk nest is discovered within half a mile of the Project, construction shall be delayed until the CDFW is contacted for guidance and a qualified biologist shall monitor the nest on a weekly basis during construction activities to determine nesting activity and document any nest abandonment. Because neither foraging habitat or potential nesting trees will be removed or degraded as part of this Project, compensatory mitigation shall not be required.</p> <p><b>MM BIO-8:</b> Prior to ground disturbance activities at the Project site and as needed during construction activities, all workers on the Project shall attend a Construction Worker Environmental Awareness Training and Education Program, developed and presented by a qualified biologist.</p> <p>The Construction Worker Environmental Awareness Training and Education Program would be presented by the biologist and shall include information on the life history of wildlife and plant species that may be encountered during construction activities, their legal protections, the definition of "take" under the Endangered Species Act, measures the Project operator is implementing to protect the San Joaquin kit fox and other species, reporting requirements, specific measures that each worker would employ to avoid take of the wildlife species, and penalties for violation of the Act. Identification and information regarding sensitive or other special status plant species shall also be provided to construction personnel.</p> <p>a. An acknowledgement form signed by each worker indicating that environmental training has been completed.</p>			

Impact	Mitigation Measures	Implementation	Monitoring	Timing
	<ul style="list-style-type: none"> <li>b. A sticker that shall be placed on hard hats indicating that the worker has completed the environmental training. Construction workers shall not be permitted to operate equipment within the construction area unless they have attended the training and are wearing hard hats with the required sticker;</li> <li>c. A copy of the training transcript and/or training video/CD, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgement forms shall be maintained on site for the duration of construction activities.</li> <li>d. The construction crews and contractor(s) would be responsible for unauthorized impacts from construction activities to sensitive biological resources that are outside the areas defined as subject to impacts by Project permits.</li> </ul>			
Impact #3.4.4b – Would the Project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	Implementation of MM BIO-1 through MM BIO-8.	Project contractor	City of Lemoore Public Works Department	During project construction
Impact #3.4.4c – Would the Project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.)	<p><b>MM BIO-9:</b> Prior to initial impacting State Waters, the project proponent shall:</p> <ul style="list-style-type: none"> <li>a. A wetland delineation shall be completed to Army Corps of Engineers’ (ACOE) standards, which satisfies requirements of the RWQCB.</li> </ul>	Project contractor	City of Lemoore Public Works Department	During project construction

Impact	Mitigation Measures	Implementation	Monitoring	Timing
through direct removal, filling, hydrological interruption, or other means?	<p><b>b.</b> The Project proponent shall obtain a Streambed Alteration Agreement from the CDFW and if necessary, a Waters Quality Certification pursuant to Section 401 of the CWA from the RWQCB, prior to impacting any State Waters. A formal concurrence with the findings of the delineation of wetlands and waters shall be obtained from the ACOE.</p>			
<b>Cultural Resources</b>				
Impact #3.4.5a – Would the Project cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines Section 15064.5?	<p><b>MM CUL-1:</b> If prehistoric or historic-era cultural materials are encountered during construction activities, all work in the immediate vicinity of the find shall halt until a qualified archaeologist can evaluate the find and make recommendations. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock as well as historic resources such as glass, metal, wood, brick, or structural remnants. If the qualified archaeologist determines that the discovery represents a potentially significant cultural resource, additional investigations may be required to mitigate adverse impacts from project implementation.</p> <p>The qualified archaeologist shall determine the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with §15064.5 of the CEQA Guidelines. Mitigation measures may include avoidance, preservation in-place, recordation, additional archaeological testing, and data recovery, among other options. Any previously undiscovered resources found during construction within the Project area shall be recorded on appropriate Department of Parks and Recreation forms and evaluated for significance. No further ground disturbance shall occur in the immediate vicinity of the discovery until approved by the qualified archaeologist.</p>	Project contractor	City of Lemoore Public Works Department	During project construction
Impact #3.4.5b – Would the Project cause a substantial adverse change in the	Implement Mitigation Measure MM CUL-1.	Project contractor	City of Lemoore	During project construction

Impact	Mitigation Measures	Implementation	Monitoring	Timing
significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?			Public Works Department	
Impact #3.4.5c – Would the Project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<p><b>MM CUL-2:</b> During grading and site preparation activities, if paleontological resources are encountered, all work within 50 feet of the find shall halt until a qualified paleontologist, in accordance with Society of Vertebrate Paleontology standards can evaluate the find and make recommendations. Paleontological resource materials may include resources such as fossils, plant impressions, or animal tracks preserved in rock. If the qualified paleontologist determines that the discovery represents a potentially significant paleontological resource, additional investigations and fossil recovery may be required to mitigate adverse impacts from project implementation. The paleontologist shall notify the appropriate representative at the County of Kings, who shall coordinate with the paleontologist as to any necessary investigation of the find. If the find is determined to be significant under CEQA, the County shall implement mitigation measures, which may include avoidance, preservation in place, or other appropriate measures, as outlined in PRC Section 21083.2.</p>	Project contractor	City of Lemoore Public Works Department	During project construction
Impact #3.4.5d – Would the Project disturb any human remains, including those interred outside of formal cemeteries?	<p><b>MM CUL-3:</b> If human remains are discovered during construction or operational activities, further excavation or disturbance shall be prohibited pursuant to Section 7050.5 of the California Health and Safety Code. The specific protocol, guidelines, and channels of communication outlined by the Native American Heritage Commission, in accordance with Section 7050.5 of the Health and Safety Code, Section 5097.98 of the Public Resources Code (Chapter 1492, Statutes of 1982, Senate Bill 297), and Senate Bill 447 (Chapter 44, Statutes of 1987), shall be followed. Section 7050.5(c) shall guide the potential Native American involvement, in the event of discovery of human remains, at the direction of the county coroner.</p>	Project contractor	City of Lemoore Public Works Department	During project construction

Impact	Mitigation Measures	Implementation	Monitoring	Timing
<b>Geology and Soils</b>				
Impact #3.4.6b – Would the Project result in substantial soil erosion or the loss of topsoil?	Implementation of HYD-1.	Project contractor	City of Lemoore Public Works Department	During project construction
<b>Hydrology and Water Quality</b>				
Impact #3.4.9a – Would the Project violate any water quality standards or waste discharge requirements?	<p><b>MM HYD-1:</b> Prior to ground-disturbing activities, the project proponent shall prepare and implement a Linear Underground Project Stormwater Pollution Prevention Plan (LUP SWPPP) that specifies best management practices, with the intent of keeping all products of erosion from moving offsite. Additionally, the LUP SWPPP shall contain a visual monitoring program and a chemical monitoring program for non-visible pollutants to be implemented (if there is a failure of best management practices). The requirements of the SWPPP shall be incorporated into design specifications and construction contracts. Recommended best management practices for the construction phase may include the following:</p> <ul style="list-style-type: none"> <li>• Stockpiling and disposing of demolition debris, concrete, and soil properly;</li> <li>• Implementing erosion controls;</li> <li>• Properly managing construction materials; and</li> <li>• Managing waste, aggressively controlling litter, and implementing sediment controls.</li> </ul>	Project contractor	City of Lemoore Public Works Department	During project construction
Impact #3.4.9c – Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on site or off site?	Implementation of MM BIO-9.	Project contractor	City of Lemoore Public Works Department	During project construction

<b>Impact</b>	<b>Mitigation Measures</b>	<b>Implementation</b>	<b>Monitoring</b>	<b>Timing</b>
Impact #3.4.9d – Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on site or off site?	Implementation of MM BIO-9.	Project contractor	City of Lemoore Public Works Department	During project construction
Impact #3.4.9e – Would the Project create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	Implementation of MM HYD-1.	Project contractor	City of Lemoore Public Works Department	During project construction
Impact #3.4.9f - Otherwise substantially degrade water quality?	Implementation of MM HYD-1.	Project contractor	City of Lemoore Public Works Department	During project construction
<b>Tribal Cultural Resources</b>				
Impact #3.14.17a(i) – Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of	Implementation of MM CUL-1 through MM CUL-3.	Project contractor	City of Lemoore Public Works Department	During project construction



Impact	Mitigation Measures	Implementation	Monitoring	Timing
<p>the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?</p>				
<p>Impact #3.14.17a(ii) - Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section</p>	<p>Implementation of MM CUL-1 through MM CUL-3.</p>	<p>Project contractor</p>	<p>City of Lemoore Public Works Department</p>	<p>During project construction</p>

Impact	Mitigation Measures	Implementation	Monitoring	Timing
5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?				
<b>Utilities and Service Systems</b>				
Impact #3.4.18c – Would the Project require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	Implementation of MM HYD-1.	Project contractor	City of Lemoore Public Works Department	During project construction

**INITIAL STUDY AND  
MITIGATED NEGATIVE DECLARATION**

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**CITY OF LEMOORE  
COMBINED EFFLUENT/  
RECYCLED WATER DISCHARGE TO  
THE STONE RANCH**

**JULY 2018**

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**Notice of Completion & Environmental Document Transmittal**

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613  
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

**Project Title:** Combined Effluent/Recycled Water Discharge to Stone Ranch

Lead Agency: City of Lemoore

Contact Person: Nathan Olson

Mailing Address: 119 Fox Street

Phone: 559-924-6700

City: Lemoore

Zip: 93245

County: Kings

**Project Location:** County: Kings

City/Nearest Community: Lemoore

Cross Streets: State Route 198, Avenal Cutoff

Zip Code: 93245

Longitude/Latitude (degrees, minutes and seconds): \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " N / \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " W Total Acres: \_\_\_\_\_

Assessor's Parcel No.: \_\_\_\_\_ Section: 2,3,11,1: Twp.: 19S Range: 19E Base: MDB&amp;M

Within 2 Miles: State Hwy #: 198

Waterways: Kings River

Airports: \_\_\_\_\_

Railways: \_\_\_\_\_

Schools: \_\_\_\_\_

**Document Type:**CEQA:  NOP Draft EIRNEPA:  NOIOther:  Joint Document Early Cons Supplement/Subsequent EIR EA Final Document Neg Dec

(Prior SCH No.) \_\_\_\_\_

 Draft EIS Other: \_\_\_\_\_ Mit Neg Dec

Other: \_\_\_\_\_

 FONSI**Local Action Type:** General Plan Update Specific Plan Rezone Annexation General Plan Amendment Master Plan Prezone Redevelopment General Plan Element Planned Unit Development Use Permit Coastal Permit Community Plan Site Plan Land Division (Subdivision, etc.) Other: city project**Development Type:** Residential: Units \_\_\_\_\_ Acres \_\_\_\_\_ Office: Sq.ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_ Transportation: Type pump station and pipeline Commercial: Sq.ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_ Mining: Mineral \_\_\_\_\_ Industrial: Sq.ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_ Power: Type \_\_\_\_\_ MW \_\_\_\_\_ Educational: \_\_\_\_\_ Waste Treatment: Type \_\_\_\_\_ MGD \_\_\_\_\_ Recreational: \_\_\_\_\_ Hazardous Waste: Type \_\_\_\_\_ Water Facilities: Type pump st. & pipeline MGD 5.0 Other: \_\_\_\_\_**Project Issues Discussed in Document:** Aesthetic/Visual Fiscal Recreation/Parks Vegetation Agricultural Land Flood Plain/Flooding Schools/Universities Water Quality Air Quality Forest Land/Fire Hazard Septic Systems Water Supply/Groundwater Archeological/Historical Geologic/Seismic Sewer Capacity Wetland/Riparian Biological Resources Minerals Soil Erosion/Compaction/Grading Growth Inducement Coastal Zone Noise Solid Waste Land Use Drainage/Absorption Population/Housing Balance Toxic/Hazardous Cumulative Effects Economic/Jobs Public Services/Facilities Traffic/Circulation Other: \_\_\_\_\_**Present Land Use/Zoning/General Plan Designation:**

Zoning: AG 20 General Plan: Exclusive Agriculture

**Project Description:** (please use a separate page if necessary)

Construction and operation of a 4.5-mile pipeline and pump station for the beneficial use of treated wastewater effluent, recycled water for agricultural irrigation of fodder crops.

## Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".  
If you have already sent your document to the agency please denote that with an "S".

<input type="checkbox"/> Air Resources Board	<input type="checkbox"/> Office of Historic Preservation
<input type="checkbox"/> Boating & Waterways, Department of	<input type="checkbox"/> Office of Public School Construction
<input type="checkbox"/> California Emergency Management Agency	<input type="checkbox"/> Parks & Recreation, Department of
<input type="checkbox"/> California Highway Patrol	<input type="checkbox"/> Pesticide Regulation, Department of
<input checked="" type="checkbox"/> Caltrans District #6	<input type="checkbox"/> Public Utilities Commission
<input type="checkbox"/> Caltrans Division of Aeronautics	<input checked="" type="checkbox"/> Regional WQCB #Central
<input type="checkbox"/> Caltrans Planning	<input type="checkbox"/> Resources Agency
<input type="checkbox"/> Central Valley Flood Protection Board	<input type="checkbox"/> Resources Recycling and Recovery, Department of
<input type="checkbox"/> Coachella Valley Mtns. Conservancy	<input type="checkbox"/> S.F. Bay Conservation & Development Comm.
<input type="checkbox"/> Coastal Commission	<input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
<input type="checkbox"/> Colorado River Board	<input type="checkbox"/> San Joaquin River Conservancy
<input checked="" type="checkbox"/> Conservation, Department of	<input type="checkbox"/> Santa Monica Mtns. Conservancy
<input type="checkbox"/> Corrections, Department of	<input type="checkbox"/> State Lands Commission
<input type="checkbox"/> Delta Protection Commission	<input type="checkbox"/> SWRCB: Clean Water Grants
<input type="checkbox"/> Education, Department of	<input checked="" type="checkbox"/> SWRCB: Water Quality
<input type="checkbox"/> Energy Commission	<input type="checkbox"/> SWRCB: Water Rights
<input checked="" type="checkbox"/> Fish & Game Region #4	<input type="checkbox"/> Tahoe Regional Planning Agency
<input type="checkbox"/> Food & Agriculture, Department of	<input type="checkbox"/> Toxic Substances Control, Department of
<input type="checkbox"/> Forestry and Fire Protection, Department of	<input checked="" type="checkbox"/> Water Resources, Department of
<input type="checkbox"/> General Services, Department of	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Health Services, Department of	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Housing & Community Development	
<input checked="" type="checkbox"/> Native American Heritage Commission	

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### Local Public Review Period (to be filled in by lead agency)

Starting Date July 18, 2018 Ending Date August 16, 2018

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### Lead Agency (Complete if applicable):

Consulting Firm: <u>QK Inc</u>	Applicant: <u>City of Lemoore</u>
Address: <u>901 E. Main Street</u>	Address: <u>119 Fox Street</u>
City/State/Zip: <u>Visalia, CA 93277</u>	City/State/Zip: <u>Lemoore, CA 93245</u>
Contact: <u>Harry Tow</u>	Phone: <u>Nathan Olson</u>
Phone: <u>559-449-2400</u>	

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Signature of Lead Agency Representative: \_\_\_\_\_ /s/ \_\_\_\_\_ Date: July 16, 2018

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

July 18, 2018

RE: Public Notice of Availability Initial Study/ Mitigated Negative Declaration

This is to advise that the City of Lemoore has prepared an Initial Study/Mitigated Negative Declaration (IS/MND) for the project identified below. As mandated by State law, the minimum public review period for this document is 30 days. The document and documents referenced in the IS/MND are available for review at the Kings County Library – 457 C Street, Lemoore, California 93245.

Due to the limits mandated by State law, your response must be received by **Thursday, August 16, 2018 at 5:00 P.M.**

**Project Title:** Combined Effluent/Recycled Water Discharge to the Stone Ranch Project

**Project Location:** This linear Project crosses State Route (SR) 198 north of Jackson Avenue and runs approximately 4.5 miles in a generally north-south direction through Sections 2, 11, 12, 13, 24, and 25, in the eastern portion of Township 19 South, Range 19 East, Mount Diablo Base and Meridian. The northern terminus of the Project is in the southwest quarter of the northwest quarter of Section 2, and the southern terminus is in the northwest quarter of the northeast corner of Section 25. The Project is in both the southeast quarter of the Lemoore United States Geological Survey (USGS) 7.5-minute topographical quadrangle and the southwest corner of the Vanguard USGS topographical quadrangle.

**Project Description:** The Project is the construction and operation of a 100 feet x 100 feet pump station and pipeline to an agricultural irrigation recycled water reuse area, the Stone Ranch. It will make beneficial reuse of treated combined effluent from Leprino Foods' two facilities and the City's WWTP by using it for agricultural irrigation of feed and fodder crops. Leprino and Lemoore propose to discharge up to 5.0 mgd of treated combined effluent that will be conveyed via pipeline to the Ranch. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation.

The Stone Ranch has operated as an agricultural enterprise since 1984. The existing infrastructure at the site consists of irrigation ditches, subsurface interceptor drains, evaporation basins, a subsurface drainage system, irrigation wells, and tailwater ditches.

Pipeline transport to the Ranch will be by a 24-inch pressure pipe connected by a 30-inch line to an existing 30-inch City/Leprino effluent pipeline in Jackson Avenue just west of the Kings River. A pump station to be located just north of Jackson Avenue and south of State Route 198 will transmit the combined effluent through the new 24-inch pipeline. The pipeline will be drilled under State Route 198, laid under an existing little-used drainage ditch, west to a gravel-surfaced and unsurfaced road leading north to the Ranch (about 4 miles). The pipeline will be several feet under the existing road surfaces.

Lead Agency: City of Lemoore  
119 Fox Street  
Lemoore, California 93245

Lead Agency Contact: Nathan Olson, City Manager

These documents are available for public review during normal business hours at the following location:

Kings County Library –  
457 C Street, Lemoore, California 93245

City of Lemoore  
City Manager's Office  
119 Fox Street  
Lemoore, California 93245

**Public Review Period:** Begins: Thursday, July 18, 2018. Ends: Thursday, August 16, 2018

Anyone interested in this matter is invited to comment on the document by written response by Thursday, August 16, 2018. The public review period for this document shall be 30 days. The public review period will begin Thursday, July 18, 2018, and ends on Thursday, August 16, 2018. For further information, please contact Mr. Nathan Olson at (559) 924-6700 or Mr. Harry Tow at (559) 733-0440.



**INITIAL STUDY AND  
MITIGATED NEGATIVE DECLARATION**

**COMBINED EFFLUENT/RECYCLED WATER  
DISCHARGE TO THE STONE RANCH**

**Prepared for:**

City of Lemoore  
119 Fox Street  
Lemoore, CA 93245  
Contact Person: Nathan Olson, City Manager  
Phone: (559) 924-6700

**Consultant:**



901 East Main Street  
Visalia, CA 93292  
Contact: Harry A. Tow, PE  
Phone: (559) 733-0440  
Fax: (559) 733-7821

July 2018



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## **NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION**

This is to advise that the City of Lemoore has prepared a Mitigated Negative Declaration for the Project identified below.

PLEASE BE ADVISED that the City Council will consider adopting the Mitigated Negative Declaration at its meeting to be held at 7:30 p.m., August 21, 2018. The meeting will be held at the City Council Chambers at 429 C Street, Lemoore, California.

### ***Project Name***

Combined Effluent/Recycled Water Discharge to the Stone Ranch

### ***Project Location***

This linear Project crosses State Route (SR) 198 north of Jackson Avenue and runs approximately 4.5 miles in a generally north-south direction through Sections 2, 11, 12, 13, 24, and 25, in the eastern portion of Township 19 South, Range 19 East, Mount Diablo Base and Meridian. The northern terminus of the Project is in the southwest quarter of the northwest quarter of Section 2, and the southern terminus is in the northwest quarter of the northeast corner of Section 25. The Project is in both the southeast quarter of the Lemoore United States Geological Survey (USGS) 7.5-minute topographical quadrangle and the southwest corner of the Vanguard USGS topographical quadrangle.

### ***Project Description***

The Project is the construction and operation of a 100 feet x 100 feet pump station and pipeline to an agricultural irrigation recycled water reuse area, the Stone Ranch. It will make beneficial reuse of treated combined effluent from Leprino Foods' two facilities and the City's WWTP by using it for agricultural irrigation of feed and fodder crops. Leprino and Lemoore propose to discharge up to 5.0 mgd of treated combined effluent that will be conveyed via pipeline to the Ranch. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation.

The Stone Ranch has operated as an agricultural enterprise since 1984. The existing infrastructure at the site consists of irrigation ditches, subsurface interceptor drains, evaporation basins, a subsurface drainage system, irrigation wells, and tailwater ditches.

Pipeline transport to the Ranch will be by a 24-inch pressure pipe connected by a 30-inch line to an existing 30-inch City/Leprino effluent pipeline in Jackson Avenue just west of the Kings River. A pump station to be located just north of Jackson Avenue and south of State Route 198 will transmit the combined effluent through the new 24-inch pipeline. The pipeline will be drilled under State Route 198, laid under an existing little-used drainage ditch, west to a gravel-surfaced and unsurfaced road leading north to the Ranch (about 4 miles). The pipeline will be several feet under the existing road surfaces.

## **Notice of Intent to Adopt a Mitigated Negative Declaration**

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The environmental analysis of the project includes the pump station and the total pipeline length. Environmental analysis does not include the environmental “baseline,” which is the existing Ranch irrigation system and operations, as these will be unchanged, except that some current well water will be replaced by the combined effluent.

Figure 1 depicts the Project (pump station and pipelines) location; Figures 2, 3, 4, and 5 show the local regional pump station location and related piping; Figure 6 shows the Stone Ranch agricultural reuse area at the northern terminus of the Project.

Notice of Intent to Adopt a Mitigated Negative Declaration



Figure 1  
Project Location



Figure 2  
Site Overview





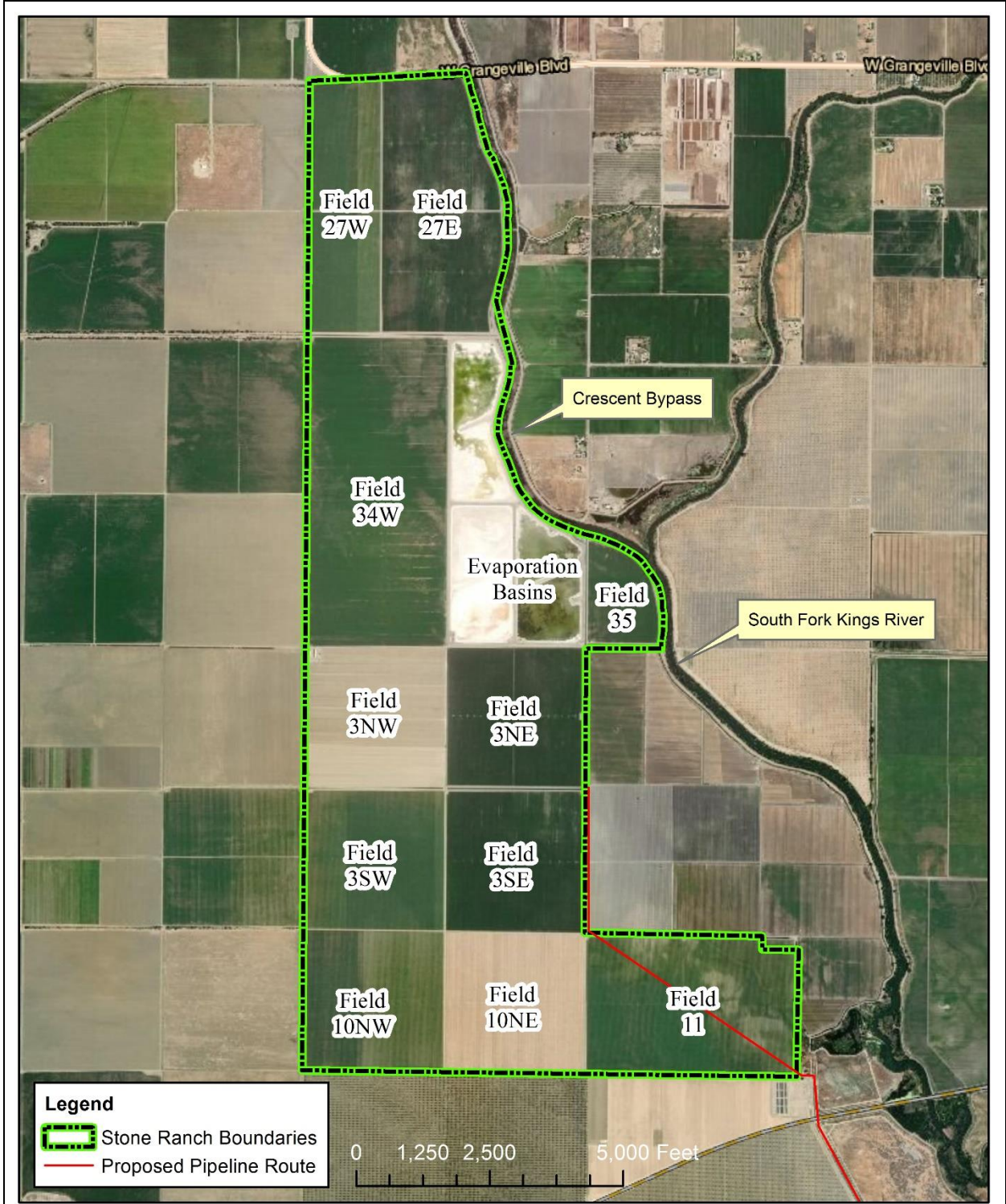
**Figure 3**  
**Pump Station Area**



Figure 4  
NASL Area Pipeline



Figure 5  
Private Land Area Pipeline



**Figure 6**  
**Recycled Water Agricultural Irrigation Reuse Area (Stone Ranch)**

## **MITIGATED NEGATIVE DECLARATION**

As Lead Agency under the California Environmental Quality Act (CEQA), the City of Lemoore reviewed the Project described below to determine whether it could have a significant effect on the environment because of its development. In accordance with CEQA Guidelines Section 15382, “[s]ignificant effect on the environment” means a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project, including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic significance.

### ***Project Name, Location and Description***

Combined Effluent/Recycled Water Discharge to the Stone Ranch

Five miles west of Lemoore, east of Naval Air Station Lemoore.

The Project is the construction and operation of a pump station and pipeline to an agricultural irrigation recycled water reuse area, the Stone Ranch (Ranch). It will make beneficial reuse of treated combined effluent from Leprino Foods’ two facilities and the City of Lemoore’s (City) WWTP by using it for agricultural irrigation of feed and fodder crops. Leprino and the City propose to discharge up to 5.0 mgd of treated combined effluent that will be conveyed via pipeline to the Ranch. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation.

The Stone Ranch has operated as an agricultural enterprise since 1984. The existing infrastructure at the site consists of irrigation ditches, subsurface interceptor drains, evaporation basins, a subsurface drainage system, irrigation wells, and tailwater ditches.

Pipeline transport to the Ranch will be a 24-inch pressure pipe connected from a 30-inch City/Leprino effluent pipeline in Jackson Avenue just west of the Kings River. A pump station to be located just north of Jackson Avenue and south of State Route 198 will transmit the combined effluent through the new pipeline. The pipeline will be directionally drilled under State Route 198 and laid under an existing little-used drainage ditch west to a gravel surfaced and partially unsurfaced private road leading north to the Ranch (about 4 miles). The last mile, approximately, of the road is not surfaced. The pipeline will be several feet under existing road surfaces.

The environmental analysis of the project includes the pump station and the total pipeline length. Environmental analysis does not include the environmental “baseline,” which is the existing Ranch irrigation system and operations, as these will be unchanged, except that some current well water will be replaced by the combined effluent.

**Mailing Address and Phone Number of Contact Persons**

Nathan Olson, City Manager  
City of Lemoore  
119 Fox Street  
Lemoore, California 93245  
(559) 924-6700

Harry A. Tow, PE  
QK  
901 East Main Street  
Visalia, California 93292  
(559) 733-0440

**Findings**

As Lead Agency, the City of Lemoore finds that the Project will not have a significant effect on the environment. The Environmental Checklist (CEQA Guidelines Appendix G) or Initial Study (IS) (see *Section 3 - Environmental Checklist*) identified one or more potentially significant effects on the environment, but revisions of the Project have been made before the release of this Mitigated Negative Declaration (MND) or mitigation measures adopted that reduce all potentially significant impacts to less-than-significant levels. The Lead Agency thus finds that there is no substantial evidence that this Project has had or will have a significant effect on the environment.

**Mitigation Measures Included in the Project to Avoid Potentially Significant Effects**

**MM BIO-1:** Prior to construction activities in the Valley Sink Scrub habitat, a pre-construction survey for the San Joaquin woollythreads and the California jewelflower shall be performed. The survey shall occur during the appropriate flowering period for these species. If these species are found to occur and cannot be avoided by the Project, then CDFW and/or USFWS shall be notified within 10 days prior to construction activities to allow CDFW and/or USFWS to perform a salvage operation.

The Project footprint shall be reduced to the minimum area possible to allow the pipeline (and pump station) to be installed, and the topsoil from the trench (the top 6-inches) shall be removed and stockpiled separately from the remaining soil removed from the trench. The topsoil shall be covered during storage. Once the trench has been backfilled, the topsoil shall be distributed over the top of the backfilled trench and compacted. This process will allow for any seedbank present in the topsoil to be retained in the uppermost soil.

**MM BIO-2:**

- a. A pre-construction survey of potential giant garter snake habitat shall be completed by a qualified biologist no more than 24 hours prior to ground disturbance activities. A qualified biological monitor shall be onsite during vegetation removal in potential giant garter snake habitat and within 200 feet of potential giant garter snake habitat. This habitat is limited to the vegetated drainage ditch near its crossing of State Route 198 and the area south of Jackson Avenue.

- b. Vegetation removal within 200 feet of suitable giant garter snake aquatic habitat shall be confined to the minimal area necessary to allow for the installation of the pipeline (and pump station). Movement of heavy equipment shall be confined to existing roadways or temporary construction access roads established during construction.
- c. If a giant garter snake is observed in the construction area, all activities shall cease, and qualified biologist shall be notified immediately. The snake shall be allowed to leave on its own and activities shall not resume until the snake has moved out of the area on its own. If the snake does not vacate the area on its own, activities must be suspended and USFWS and CDFW shall be contacted. If a giant garter snake is found and cannot be avoided, Incidental Take Permits may need to be acquired. USFWS and CDFW shall be notified by telephone or email within 24 hours of a giant garter snake observation.

**MM BIO-3:**

- a. A survey for the western pond turtle shall be conducted by a qualified biologist within 14 days prior to beginning of construction. This may be combined with other pre-construction surveys.
- b. A biological monitor shall be on-site during all vegetation removal activities within 200 feet of habitat capable of supporting the western pond turtle. If any turtles are encountered in the Project during construction, construction shall halt until the qualified biologist determines the species of turtle. If it is not a western pond turtle, work may continue.
- c. If a western pond turtle is found, all work within 100 feet of the turtle shall stop until the turtle vacates the area of its own accord or the area where the turtle occurs can be protected using exclusion fencing. If the installation of exclusion fencing is not practical, then the turtle may be relocated away from the construction site, into nearby suitable habitat, by a qualified biologist.

**MM BIO-4:** A pre-construction survey shall be conducted for the western burrowing owl within 14 days of the start of construction. If any burrowing owl burrows are observed during the preconstruction survey, avoidance measures shall be consistent with those included in the CDFW staff report on burrowing owl mitigation (CDFG 2012). If occupied burrowing owl burrows are observed outside of the breeding season (September 1 through January 31) and within 500 feet of proposed construction activities, a passive relocation effort may be instituted in accordance with the guidelines established by the *Burrowing Owl Survey Protocol and Mitigation Guidelines* (California Burrowing Owl Consortium 1993) and the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012). During the breeding season (February 1 through August 31), a 250-foot (minimum) buffer zone shall be maintained unless a qualified biologist verifies through noninvasive methods that either the birds have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent survival. If necessary, passive relocation may be conducted to remove burrowing owls from the Project site, but only after

approval has been obtained from the California Department of Fish and Wildlife. Passive relocation would only be conducted by a qualified biologist.

**MM Bio-5:** A pre-construction survey shall be conducted for the San Joaquin kit fox within 14 to 30 days of the start of construction. The project proponent shall follow the *USFWS Standardized Recommendations for Protection of the San Joaquin Kit Fox Prior to or During Ground Disturbance*.

If any San Joaquin kit fox dens are found during preconstruction surveys, the status of the dens shall be evaluated prior to project ground disturbance. Provided that no evidence of kit fox occupation is observed, potential dens shall be marked, and a 50-foot avoidance buffer delineated using stakes and flagging or other similar material to prevent inadvertent damage to the potential den. If a potential den cannot be avoided, it may be hand-excavated following United States Fish and Wildlife Service standardized recommendations for protection of the San Joaquin kit fox prior to or during ground disturbance. If kit fox activity is observed at a den, the den status shall change to “known” per United States Fish and Wildlife Service guidelines (1999) and the buffer distance shall be increased to 100 feet. Absolutely no excavation of San Joaquin kit fox known or pupping dens shall occur without prior authorization from the United States Fish and Wildlife Service and California Department of Fish and Wildlife.

**MM BIO-6:** The measures listed below shall be implemented during construction and operation of the Project to protect the American badger and San Joaquin kit fox.

- a. Project-related vehicles shall observe a 20-mph speed limit in all Project areas, except on County roads and State and Federal highways; this is particularly important at night when kit foxes and badgers are most active. Nighttime construction shall be avoided, unless the construction area is appropriately fenced to exclude badgers kit foxes. The area within any such fence must be determined to be uninhabited by San Joaquin Kit foxes or American badgers prior to initiation of construction. Off-road traffic outside of designated Project areas shall be prohibited.
- b. To prevent inadvertent entrapment of kit foxes, badgers, or other animals during the construction phase of the Project, all excavated, steep-walled holes or trenches more than 2 feet deep shall be covered prior to the end of each working day by plywood or similar materials, or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they shall be thoroughly inspected for trapped animals. If at any time a trapped or injured kit fox is discovered, the qualified biologist, USFWS and CDFW shall be contacted for advice.
- c. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipe, becoming trapped or injured. All construction pipes, culverts, or similar structures with a diameter of 4-inches or greater that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in anyway. If a kit fox is discovered inside a pipe, that section of pipe shall not be moved until the USFWS has been consulted. If necessary, and under the direct supervision of the biologist, the



pipe may be moved once to remove it from the path of construction activity, until the fox has escaped.

- d. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in closed containers and removed at least once a week from a construction or Project site.
- e. No pets shall be permitted on the Project site.
- f. Use of rodenticides and herbicides in Project areas shall be restricted. This is necessary to prevent primary or secondary poisoning of kit fox and the depletion of prey populations on which they depend. All uses of such compounds shall observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and federal legislation, as well as additional Project-related restrictions deemed necessary by the USFWS. If rodent control must be conducted, zinc phosphide shall be used because of a proven lower risk to kit fox.
- g. No plants or wildlife shall be collected, taken, or removed from the construction areas or areas of offsite improvements, except as necessary for Project-related vegetation removal or wildlife relocation. Salvage of native vegetation to be removed from construction areas is encouraged but shall only be performed by qualified biologists and with written approval from the CDFW.
- h. A representative shall be appointed by the Project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox, or who finds a dead, injured or entrapped individual. The representative's name and telephone number shall be provided to the USFWS and CDFW.
- i. In the case of trapped animals, escape ramps or structures shall be installed immediately to allow the animal(s) to escape, or the USFWS and CDFW shall be contacted for advice.
- j. Any contractor, employee(s), or military or agency personnel who inadvertently kills or injures a San Joaquin kit fox shall immediately report the incident to their representative. This representative shall contact the CDFW immediately in the case of a dead, injured or entrapped kit fox. The CDFW contact for immediate assistance is State Dispatch at (916) 445-0045. They would contact the local warden or qualified biologist.
- k. The USFWS and CDFW shall be notified in writing within three working days of the accidental death or injury to a San Joaquin kit fox during Project-related activities. Notification shall include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information.
- l. The above listed measures would also protect American badgers.

**MM BIO-7:** If Project construction takes place entirely between September 16 and February 28, it would avoid the breeding season of Swainson's hawk and no measures would need to be implemented. If any portion of Project construction takes place between March 1 and September 15, protocol-level Swainson's hawk surveys shall be conducted. The two

Swainson's hawk survey periods immediately prior to beginning of construction shall be conducted following the *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley* (Swainson's Hawk Technical Advisory Committee 2000). If an active Swainson's hawk nest is discovered within half a mile of the Project, construction shall be delayed until the CDFW is contacted for guidance and a qualified biologist shall monitor the nest on a weekly basis during construction activities to determine nesting activity and document any nest abandonment. Because neither foraging habitat or potential nesting trees will be removed or degraded as part of this Project, compensatory mitigation shall not be required.

**MM BIO-8:** Prior to ground disturbance activities at the Project site and as needed during construction activities, all workers on the Project shall attend a Construction Worker Environmental Awareness Training and Education Program, developed and presented by a qualified biologist.

The Construction Worker Environmental Awareness Training and Education Program would be presented by the biologist and shall include information on the life history of wildlife and plant species that may be encountered during construction activities, their legal protections, the definition of "take" under the Endangered Species Act, measures the Project operator is implementing to protect the San Joaquin kit fox and other species, reporting requirements, specific measures that each worker would employ to avoid take of the wildlife species, and penalties for violation of the Act. Identification and information regarding sensitive or other special status plant species shall also be provided to construction personnel.

- a. An acknowledgement form signed by each worker indicating that environmental training has been completed.
- b. A sticker that shall be placed on hard hats indicating that the worker has completed the environmental training. Construction workers shall not be permitted to operate equipment within the construction area unless they have attended the training and are wearing hard hats with the required sticker;
- c. A copy of the training transcript and/or training video/CD, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgement forms shall be maintained on site for the duration of construction activities.
- d. The construction crews and contractor(s) would be responsible for unauthorized impacts from construction activities to sensitive biological resources that are outside the areas defined as subject to impacts by Project permits.

**MM BIO-9:** Prior to initial impacting State Waters, the project proponent shall:

- a. A wetland delineation shall be completed to Army Corps of Engineers' (ACOE) standards, which satisfies requirements of the RWQCB.

- b. The Project proponent shall obtain a Streambed Alteration Agreement from the CDFW and if necessary, a Waters Quality Certification pursuant to Section 401 of the CWA from the RWQCB, prior to impacting any State Waters. A formal concurrence with the findings of the delineation of wetlands and waters shall be obtained from the ACOE.

**MM CUL-1:** If prehistoric or historic-era cultural materials are encountered during construction activities, all work in the immediate vicinity of the find shall halt until a qualified archaeologist can evaluate the find and make recommendations. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock as well as historic resources such as glass, metal, wood, brick, or structural remnants. If the qualified archaeologist determines that the discovery represents a potentially significant cultural resource, additional investigations may be required to mitigate adverse impacts from project implementation.

The qualified archaeologist shall determine the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with §15064.5 of the CEQA Guidelines. Mitigation measures may include avoidance, preservation in-place, recordation, additional archaeological testing, and data recovery, among other options. Any previously undiscovered resources found during construction within the Project area shall be recorded on appropriate Department of Parks and Recreation forms and evaluated for significance. No further ground disturbance shall occur in the immediate vicinity of the discovery until approved by the qualified archaeologist.

**MM CUL-2:** During grading and site preparation activities, if paleontological resources are encountered, all work within 50 feet of the find shall halt until a qualified paleontologist, in accordance with Society of Vertebrate Paleontology standards can evaluate the find and make recommendations. Paleontological resource materials may include resources such as fossils, plant impressions, or animal tracks preserved in rock. If the qualified paleontologist determines that the discovery represents a potentially significant paleontological resource, additional investigations and fossil recovery may be required to mitigate adverse impacts from project implementation. The paleontologist shall notify the appropriate representative at the County of Kings, who shall coordinate with the paleontologist as to any necessary investigation of the find. If the find is determined to be significant under CEQA, the County shall implement mitigation measures, which may include avoidance, preservation in place, or other appropriate measures, as outlined in PRC Section 21083.2.

**MM CUL-3:** If human remains are discovered during construction or operational activities, further excavation or disturbance shall be prohibited pursuant to Section 7050.5 of the California Health and Safety Code. The specific protocol, guidelines, and channels of communication outlined by the Native American Heritage Commission, in accordance with Section 7050.5 of the Health and Safety Code, Section 5097.98 of the Public Resources Code (Chapter 1492, Statutes of 1982, Senate Bill 297), and Senate Bill 447 (Chapter 44, Statutes of 1987), shall be followed. Section 7050.5(c) shall guide the potential Native American

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involvement, in the event of discovery of human remains, at the direction of the county coroner.

**MM HYD-1:** Prior to ground-disturbing activities, the project proponent shall prepare and implement a Linear Underground Project Stormwater Pollution Prevention Plan (LUP SWPPP) that specifies best management practices, with the intent of keeping all products of erosion from moving offsite. Additionally, the LUP SWPPP shall contain a visual monitoring program and a chemical monitoring program for non-visible pollutants to be implemented (if there is a failure of best management practices). The requirements of the SWPPP shall be incorporated into design specifications and construction contracts. Recommended best management practices for the construction phase may include the following:

- Stockpiling and disposing of demolition debris, concrete, and soil properly;
- Implementing erosion controls;
- Properly managing construction materials; and
- Managing waste, aggressively controlling litter, and implementing sediment controls.

## **SECTION 1 - INTRODUCTION**

### **1.1 - Overview**

The Project is the construction and operation of a pump station and pipeline to an agricultural irrigation recycled water reuse area, the Stone Ranch. It will make beneficial reuse of treated combined effluent from Leprino Foods' two facilities and the City's WWTP by using it for agricultural irrigation of feed and fodder crops at Stone Ranch, a privately-owned farm outside of Lemoore. Leprino and the City of Lemoore propose to discharge up to 5.0 mgd of treated combined effluent that will be conveyed via pipeline to the Ranch. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation.

### **1.2 - California Environmental Quality Act**

The City of Lemoore (City) is the Lead Agency for this Project pursuant to the CEQA Guidelines (Public Resources Code Section 15000 et seq.). The City consulted with the County of Kings and it was agreed that although portions of the Project are within unincorporated Kings County, the City would be Lead Agency under CEQA. The Environmental Checklist (CEQA Guidelines Appendix G) provides analysis guidelines for examination of the potential environmental effects of the construction and operation of the Project. Section 15063 of the CEQA Guidelines requires the Lead Agency to prepare an IS to determine whether a discretionary project will have a significant effect on the environment. A Negative Declaration (ND) is appropriate when an IS has been prepared and a determination can be made that no significant environmental effects will occur or revisions to the Project have been made or mitigation measures adopted that reduce all potentially significant impacts to less-than-significant levels.

Based on the IS, the Lead Agency has determined that the environmental review for the proposed application can be completed with a Mitigated Negative Declaration.

### **1.3 - Impact Terminology**

The following terminology is used to describe the level of significance of impacts.

- A finding of "no impact" is appropriate if the analysis concludes that the project would not affect a topic area in any way.
- An impact is considered "less than significant" if the analysis concludes that it would cause no substantial adverse change to the environment and requires no mitigation.
- An impact is considered "less than significant with mitigation incorporated" if the analysis concludes that it would cause no substantial adverse change to the environment with the inclusion of environmental commitments that have been agreed to by an applicant.
- An impact is considered "potentially significant" if the analysis concludes that it could have a substantial adverse effect on the environment.

## **1.4 - Document Organization and Contents**

The content and format of this IS/MND meets the requirements of CEQA. The report contains the following sections:

- *Section 1 – Introduction:* This section provides an overview of CEQA requirements, describes the intended uses of the IS/MND, describes document organization, and lists any regulations that have been incorporated by reference.
- *Section 2– Project Description:* This section describes the Project and the Project site’s location.
- *Section 3 – Environmental Checklist:* This section contains the evaluation of the environmental resource factors contained in Appendix G of the CEQA Guidelines. Each factor is analyzed to determine whether the proposed Project would have an impact. One of four findings must be made: no impact, less-than-significant impact, less than significant with mitigation, or significant and unavoidable.
- *Section 4 – List of Preparers:* This chapter identifies the individuals who prepared the IS/MND.

## **1.5 - Incorporation by Reference**

The following documents and/or regulations are incorporated into this IS/MND by reference:

- General Plan and Zoning Ordinance, County of Kings, and General Plan EIR (on file, Public Works Department, County of Kings, 1400 West Lacey Boulevard, Hanford, California).

## **SECTION 2 - PROJECT DESCRIPTION**

### ***2.1 - Project Location***

The Project is located in unincorporated Kings County, approximately 5 miles west of Lemoore, east of Naval Air Station Lemoore (Township 19S Range 19E, Mount Diablo Base Map and Meridian) . See Figures 2-1, 2-1, 2-3, 2-4, 2-5 and 2-6, depicting the Project location and the Project, and the location of the recycled water agricultural reuse (Stone Ranch) which lies at the northerly termination of the Project.

### ***2.2 - Surrounding Land Uses***

The Project site is abutted by agricultural land to the north; Naval Air Station Lemoore (NASL) to the west, agriculture and fallow land to the south, and the Kings River to the east.



**Figure 2-1**  
Project Location





Figure 2-2  
Site Overview





Figure 2-3  
Pump Station Area

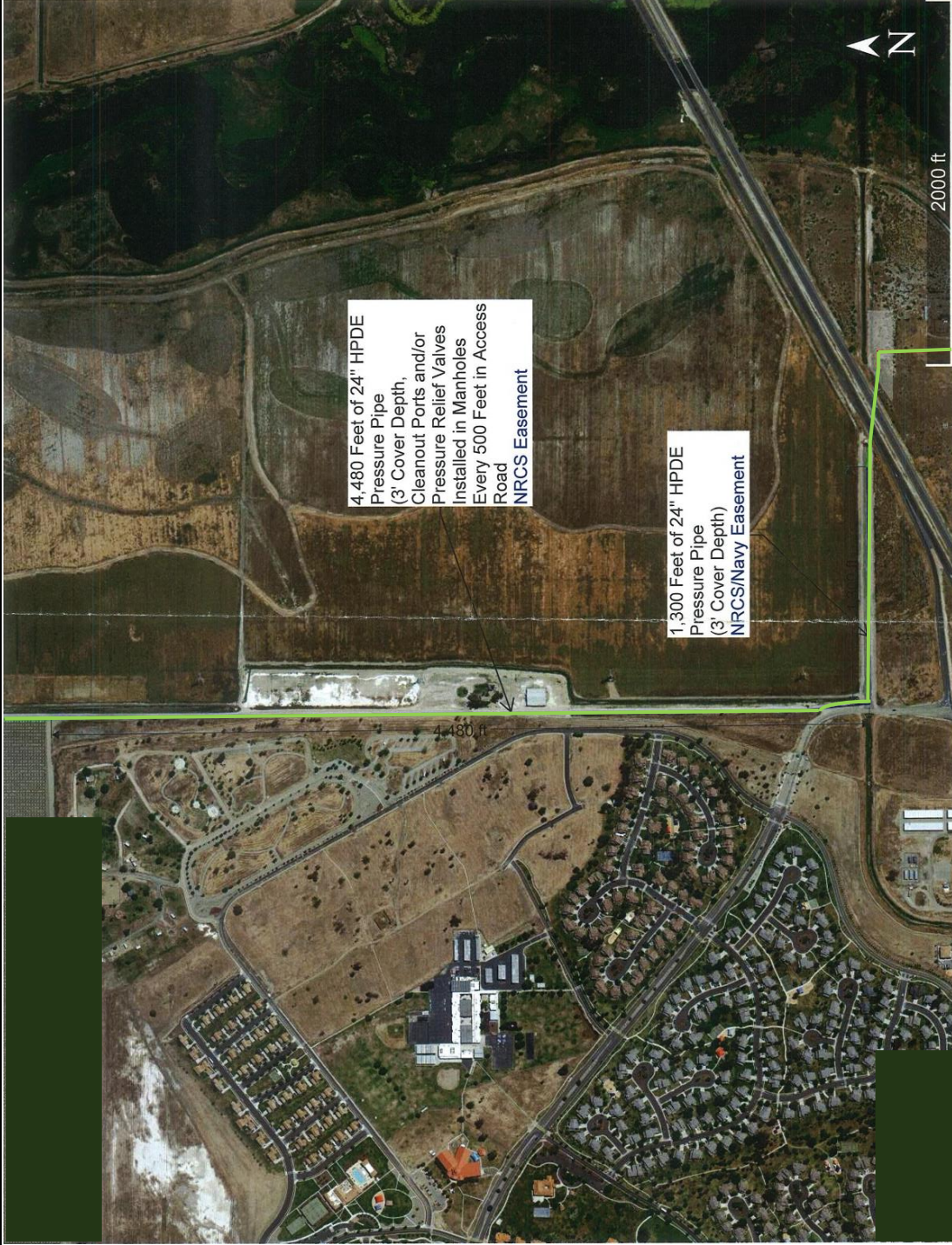
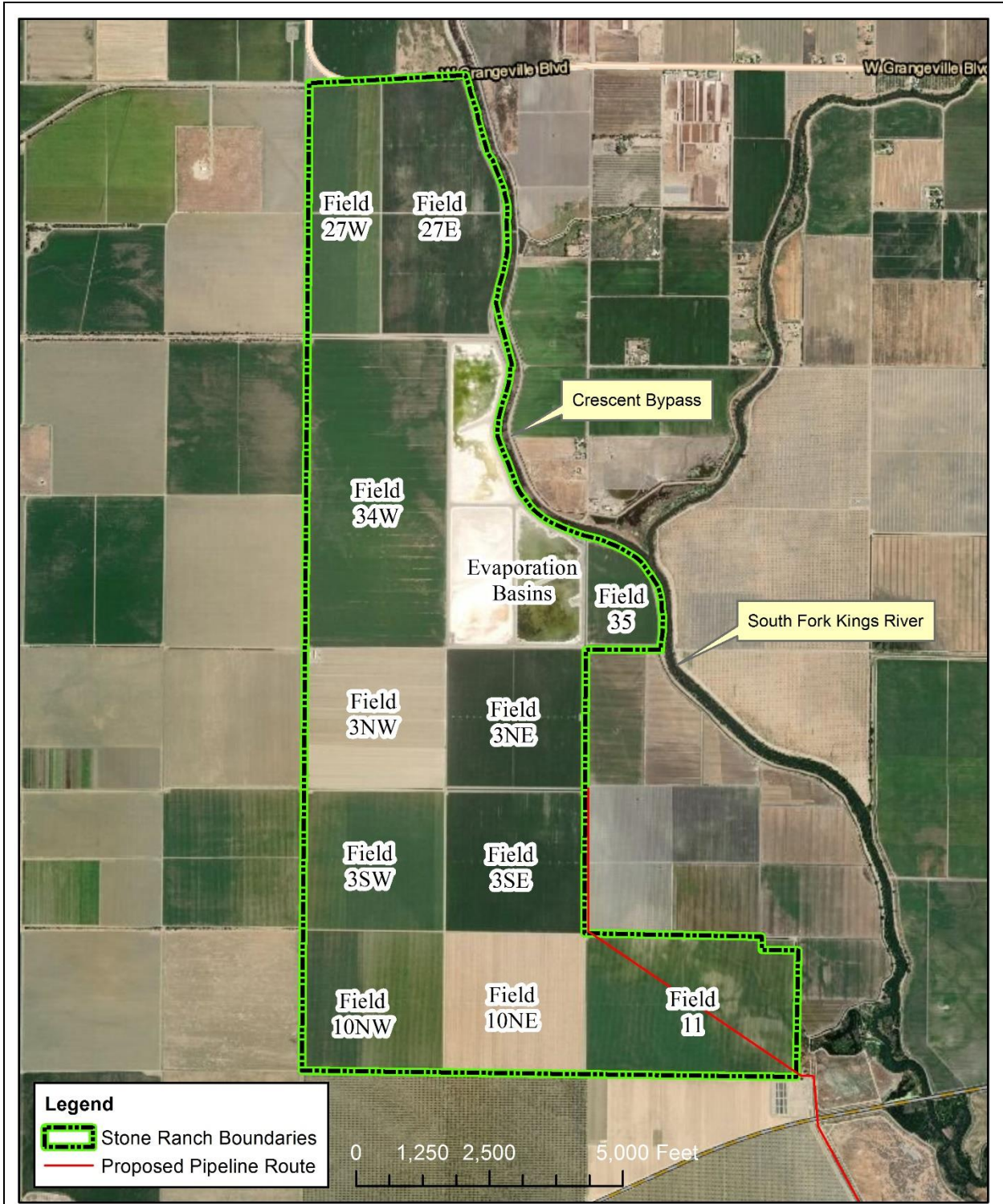


Figure 2-4  
NASL Area Pipeline



Figure 2-5  
Private Land Area



**Figure 2-6**  
**Recycled Water Agricultural Irrigation Reuse Area (Stone Ranch)**



## **SECTION 3 - INITIAL STUDY**

### **3.1 - Environmental Checklist**

1. Project Title:

Combined Effluent/Recycled Water Discharge to the Stone Ranch

2. Lead Agency Name and Address:

City of Lemoore  
119 Fox Street  
Lemoore, CA 93245

3. Contact Person and Phone Number:

Nathan Olson, City Manager  
(559) 924-6700

4. Project Location:

Five miles west of Lemoore, east of Naval Air Station Lemoore.

5. Project Sponsor's Name and Address

City of Lemoore  
119 Fox Street  
Lemoore, CA 93245

6. General Plan Designations:

General Agriculture, 40 acres (County of Kings)

7. Zoning:

AG 40 (County of Kings)

8. Description of the Project:

The Project is the construction and operation of a pump station and pipeline to an agricultural irrigation recycled water reuse area, the Stone Ranch. It will make beneficial reuse of treated combined effluent from Leprino Foods' two facilities and the City's WWTP by using it for agricultural irrigation of feed and fodder crops at 'the Stone Ranch'. Leprino and Lemoore propose to discharge up to 5.0 mgd of treated combined effluent that will be conveyed via pipeline to the Ranch. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation.

9. Surrounding Land Uses:

The Project site is abutted by agricultural land to the north; Naval Air Station Lemoore to the west, agriculture and fallow land to the south, and the Kings River to the east.

10. Other Public Agencies Whose Approval May be Required:

- United States Naval Air Station Lemoore;
- US Army Corps of Engineers (ACOE)
- US Fish and Wildlife Service (USFWS);
- California Department of Fish and Wildlife (CDFW);
- Central Valley Regional Water Quality Control Board (RWQCB);
- United States Department of Agricultural Natural Resources Conservation Service (NRCS); and
- Caltrans District 6.

**11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?**

California Native American tribes traditionally and culturally affiliated with the project area have provided their contact information to the City (Lead Agency) requesting consultation regarding proposed projects pursuant to AB 52, Public Resources Code (PRC) Section 21080.3.1.

NOTE: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21083.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

### 3.2 - Environmental Factors Potentially Affected

The environmental factors below would be potentially affected by this project.

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Aesthetics                 | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality                   |
| <input type="checkbox"/> Biological Resources       | <input type="checkbox"/> Cultural Resources                 | <input type="checkbox"/> Geology and Soils             |
| <input type="checkbox"/> Greenhouse Gas Emissions   | <input type="checkbox"/> Hazards and Hazardous Materials    | <input type="checkbox"/> Hydrology and Water Quality   |
| <input type="checkbox"/> Land Use and Planning      | <input type="checkbox"/> Mineral Resources                  | <input type="checkbox"/> Noise                         |
| <input type="checkbox"/> Population and Housing     | <input type="checkbox"/> Public Services                    | <input type="checkbox"/> Recreation                    |
| <input type="checkbox"/> Transportation and Traffic | <input type="checkbox"/> Tribal Cultural Resources          | <input type="checkbox"/> Utilities and Service Systems |
|   | <input type="checkbox"/> Mandatory Findings of Significance |  |

### 3.3 - Determination

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENT IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.



- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Harry A. Tow  
Signature

7/16/18  
Date

Harry A. Tow  
Printed Name

\_\_\_\_\_  
For

### **3.4 - Evaluation of Environmental Impacts**

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4. "Negative Declaration" applies where the incorporation of mitigation in the Project design has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact."
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D).
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
  - a. The significance criteria or threshold, if any, used to evaluate each question; and
  - b. The mitigation measure identified, if any, to reduce the impact to less than significant.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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**3.4.1 - AESTHETICS**

Would the project:

a.	Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b.	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c.	Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d.	Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

**Impact #3.4.1a – Would the Project have a substantial adverse effect on a scenic vista?**

The County of Kings 2035 General Plan does not identify any scenic vistas within the project area. The visual characteristics of the project site and the surrounding areas include primarily agricultural, dairy and rural residential land uses. A scenic vista is generally considered a view of an area that has remarkable scenery or a resource that is indigenous to the area.

The project site itself does not impact a visual resource that would be considered a scenic vista. The project consists of the pipelines and pump station that are similar in visual character to the adjacent agricultural operations in the vicinity and is not unique to the surrounding visual setting. Neither the project area nor any surrounding land use contains features typically associated with scenic vistas (e.g., ridgelines, peaks, overlooks). Therefore, the project’s activities will not obscure or impact views of scenic vistas.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project would have *no impact*.

**Impact #3.4.1b– Would the Project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?**

There are no State designated scenic highways within the immediate proximity of the project site (California Department of Transportation, 2011). In addition, no scenic highways or roadways are listed within the project area in the County of Kings 2035 General Plan. The project site is in a generally rural, undeveloped area of unincorporated eastern Kings County, approximately 5 miles west of Lemoore, east of Naval Air Station Lemoore. The area is predominantly characterized as having cultivated and undeveloped farmland, agriculturally-related commercial businesses, dairies and sparse residential dwellings. State Route 198 adjacent to the site is not a state scenic highway. The pipelines will be underground and have no scenic impact.

Based on the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR) and Kings County General Plan, no historic buildings exist on the project site; the nearest buildings on the NRHP and CRHR are over six miles northwest of the project in the City of Hanford. Construction of the project would not require removal of any existing trees or rock outcroppings. Minor grading and some trenching is anticipated but will not substantially change the topography or change the current visual character of the project location. Therefore, the project would not substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project would have *no impact*.

**Impact #3.4.1c – Would the Project substantially degrade the existing visual character or quality of the site and its surroundings?**

The proposed project will consist of the pipelines and a pump station. These features will not be readily visible and would blend into the generally rural, agricultural character of the surrounding visual setting. The facility's appearance would not change or degrade the visual character of the project site. Therefore, the project would not result in a substantial impact to the visual quality of the area.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact*.

**Impact #3.4.1d – Would the Project create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?**

Construction of the proposed project would generally occur during daytime hours, typically from 7:00 a.m. to 6:00 p.m. Once operational, no lighting would be required. Impacts would be minimal and temporary.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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### 3.4.2 - AGRICULTURE AND FORESTRY RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:

- |    |   |                          |                          |                                     |                                     |
|----|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a. | Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b. | Conflict with existing zoning for agricultural use or a Williamson Act Contract?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c. | Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d. | Result in the loss of forest land or conversion of forest land to non-forest use?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e. | Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

### Discussion

**Impact #3.4.2a – Would the Project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?**

The project site runs along existing roads that are adjacent to land designated as Rural Residential, Grazing and Farmland of Statewide Importance by the Department of

Conservation's (DOC) Farmland Mapping and Monitoring Program (FMMP) (CA Department of Conservation, 2016). The pump station is located on land designated as Vacant/Disturbed land. Once constructed, the Project would allow for the irrigation of crops and would enhance the continued agricultural activities on the site. The Project would not convert any farmlands to a non-agricultural use. Therefore, the impact of the project would be considered less than significant.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact*.

**Impact #3.4.2b: Would the Project conflict with existing zoning for agricultural use or a Williamson Act Contract?**

The Project pump station is on land that is not utilized for agriculture or subject to a land use contract. The pipeline route runs along properties that are subject to a Farmland Security Zone land use contract. However, the County's Uniform Rules Section B (7) identifies irrigation facilities as a compatible use (County of Kings, 2013). The Project pipeline would be considered a compatible use with land subject to a land use contract, and therefore does not conflict.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact*.

**Impact #3.4.2c – Would the Project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?**

There is no forest or timberland on the project site or surrounding area, and the Project site and surrounding area is zoned General Agricultural-20 District (AG20). The Project will have no impact on land designated for forest land use

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.2d – Would the Project result in the loss of forest land or conversion of forest land to non-forest use?**

As noted in Impact #3.3.2(c), above, there is no designated forest or timberland on the project site or surrounding area, and the project site and surrounding area is zoned General Agricultural-20 (AG20). The project will not convert land designated for forest land use.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.2e – Would the Project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?**

The Project site and surrounding area is zoned General Agricultural-40 District (AG 40). As noted in Impact #3.3.2(a), the Project will allow for the beneficial use of recycled water to augment and replace the use of groundwater. This use will enhance the existing agricultural operations.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact*.



	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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### 3.4.3 - AIR QUALITY

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

- |    |  |                          |                          |                                     |                          |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a. | Conflict with or obstruct implementation of the applicable air quality plan?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. | Violate any air quality standard or contribute substantially to an existing or projected air quality violation?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. | Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. | Expose sensitive receptors to substantial pollutant concentrations?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. | Create objectionable odors affecting a substantial number of people?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The following analysis is based primarily on the Air Quality Impact Analysis (AQIA) pursuant to the San Joaquin Valley Air Pollution Control District (SJVAPCD) Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI), and the California Environmental Quality Act (CEQA) Statute and Guidelines, prepared for this Project by Castle Environmental Consultants (Castle Environmental, 2018), included as Appendix A in this document. The Project area is located within the San Joaquin Valley Air Basin (SJVAB) in Kings County and is included among the eight counties that comprise the SJVAPCD. The SJVAPCD acts as the regulatory agency for air pollution control in the Basin and is the local agency empowered to regulate air pollutant emissions for the plan area.

#### Discussion

**Impacts #3.4.3a, #3.4.3b, and #3.4.3c – Would the Project conflict with or obstruct implementation of the applicable air quality plan; violate any air quality standard or contribute substantially to an existing or projected air quality violation; or result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?**

The construction and operation of the proposed project would be subject to SJVAPCD rules and requirements, including any applicable permitting requirements. These rules and regulations may include compliance with the SJVAPCD's Regulation VIII (Fugitive PM10 Prohibitions), Rule 2010 (Permits Required), Rule 2201 (New and Modified Stationary Source Review), Rule 4002 (National Emissions Standards for Hazardous Air Pollutants), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations), and other applicable regulations.

The SJVAPCD GAMAQI thresholds are designed to implement the general criteria for air quality emissions as required in the CEQA Guidelines, Appendix G, Paragraph III (Title 14 of the California Code of Regulations §15064.7) and CEQA (California Public Resources Code §21000 et. al). SJVAPCD's specific CEQA air quality thresholds are presented in Table 3-1.

**Table 3-1**  
**SJVAPCD Pollutant Thresholds of Significance**

Criteria Pollutant	Significance Level	
	Construction (tons/year)	Operational (tons/year)
CO	100 tons/yr	100
NO <sub>x</sub>	10	10
ROG	10	10
SO <sub>x</sub>	27	27
PM <sub>10</sub>	15	15
PM <sub>2.5</sub>	15	15

Source: Castle Environmental, 2018

Air quality impacts from proposed projects within Kings County are controlled through policies and provisions of the SJVAPCD and the 2035 Kings County General Plan (County of Kings, 2010). In order to demonstrate that a proposed project would not cause further air quality degradation in either of the SJVAPCD's plan to improve air quality within the air basin or federal requirements to meet certain air quality compliance goals, each project should also demonstrate consistency with the SJVAPCD's adopted Air Quality Attainment Plans (AQAP) for O<sub>3</sub> and PM<sub>10</sub>. The California Clean Air Act (CCAA) requires air pollution control districts with severe or extreme air quality problems to provide for a 5% reduction in non-attainment emissions per year.

The Kings County Association of Governments (KCAG) Air Quality Conformity Analysis (Kings County Association of Governments, 2016) demonstrates that the 2017 Federal Transportation Improvement Program (2017 FTIP) and 2014 Regional Transportation Plan (2014 RTP) in Kings County would not hinder the efforts set out in the CARB's SIP for each area's non-attainment pollutants (CO, O<sub>3</sub>, PM<sub>10</sub> and PM<sub>2.5</sub>).

Under current policies, only after a General Plan Amendment (GPA) is approved, can housing and employment assumptions be updated to reflect the capacity changes. Since the proposed development does not require a GPA and zone change, the existing growth forecast will not

be modified to reflect these changes. In order to determine whether the forecasted growth for the project area is sufficient to account for the projected increases in employment, an analysis based on KCAG regional forecast was conducted. Employment forecast for the analysis area appear to be sufficient to account for 100% of the planned employment growth attributed to the proposed project. In order to be considered “consistent” and, therefore, in conformance with the AQAP, these increases would need to occur over the same time as the adopted growth forecast. According to Table 2-2 of KCAG’s Air Quality Conformity Analysis there is a projected employee increase of 7,988 in Kings County between 2010 and 2020 (Kings County Association of Governments , 2016). The proposed Project would result in approximately no new employees. Construction crews would come from local employers and once operational, existing staff would monitor the pipeline and pump station as necessary. Stationary source emissions from the water pump are anticipated to be negligible based on similar projects that have been construction and permitted within the SJVAPCD. Based on the above analysis presented, the project is anticipated to be consistent with the AQAP, RTP, and KCAG Air Quality Conformity Analysis.

As discussed above, the proposed Project would pose no impact on regional O<sub>3</sub> and PM<sub>10</sub> formation. Because the regional contribution to these cumulative impacts would be negligible, the Project would not be considered cumulatively considerable in its contribution to regional O<sub>3</sub> and PM<sub>10</sub> impacts.

Table 3-2 presents the annual criteria pollutant emissions associated with proposed Project construction. The total emissions (all construction activities) and their comparisons to the SJVAPCD significance thresholds are shown at the bottom of the table. The table shows that all emissions are well below the adopted significance thresholds. Therefore, the proposed Project’s impact on air quality planning efforts for criteria pollutants would be less than significant.

When assessing the significance of project-related impacts on air quality, the SJVAPCD states that the impacts may be significant when on-site emission increases from construction activities or operational activities exceed a 100 pounds per day screening level of any criteria pollutant after implementation of all enforceable mitigation measures. Under such circumstance, the SJVAPCD recommends that an ambient air quality analysis (AAQA), using air dispersion modeling, be performed (Castle Environmental, 2018).

In accordance with GAMAQI guidance, Table 3-3 shows the proposed Project’s estimated construction emissions converted to daily emission rates based on a 120-working day duration. The emission rates are well below the 100 lb/day AAQA screening level for all pollutants. Therefore, the proposed Project’s impact on local ambient air pollutant levels would be less than significant.

**Table 3-2**  
**Criteria Pollutant Emissions Associated with Proposed Project Construction**

Activity	Emission Rate (ton/yr) <sup>a,b</sup>					
	CO	NO <sub>x</sub>	ROG	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b><i>Pipeline Installation</i></b>						
Fugitive Dust	0.000	0.000	0.000	0.000	0.003	0.000
Off-Road Equipment	0.515	0.734	0.071	0.001	0.033	0.030
On-Road Vehicles	0.035	0.034	0.005	0.000	1.449	0.146
<b><i>Subtotal - Pipeline Installation</i></b>	<b><i>0.55</i></b>	<b><i>0.77</i></b>	<b><i>0.076</i></b>	<b><i>0.001</i></b>	<b><i>1.48</i></b>	<b><i>0.18</i></b>
<b><i>Trench Resurfacing</i></b>						
Fugitive Dust	0.000	0.000	0.000	0.000	0.000	0.000
Off-Road Equipment	0.032	0.048	0.005	0.000	0.002	0.002
On-Road Vehicles	0.005	0.021	0.001	0.000	0.222	0.023
<b><i>Subtotal - Trench Resurfacing</i></b>	<b><i>0.04</i></b>	<b><i>0.07</i></b>	<b><i>0.006</i></b>	<b><i>0.000</i></b>	<b><i>0.22</i></b>	<b><i>0.02</i></b>
<b><i>Pump Station Installation</i></b>						
Fugitive Dust	0.000	0.000	0.000	0.000	0.000	0.000
Off-Road Equipment	0.210	0.336	0.032	0.001	0.014	0.013
On-Road Vehicles	0.007	0.006	0.001	0.000	0.002	0.000
<b><i>Subtotal - Pump Station Installation</i></b>	<b><i>0.22</i></b>	<b><i>0.34</i></b>	<b><i>0.032</i></b>	<b><i>0.001</i></b>	<b><i>0.02</i></b>	<b><i>0.01</i></b>
<b>Total Construction Emissions for CEQA</b> <small>c,d</small>	<b>0.8</b>	<b>1.2</b>	<b>0.1</b>	<b>0.002</b>	<b>1.7</b>	<b>0.2</b>
<b>Total Construction Emissions for NEPA</b> <small>c,e</small>	<b>0.6</b>	<b>0.8</b>	<b>0.08</b>	<b>0.001</b>	<b>1.7</b>	<b>0.2</b>
SJVAPCD Significance Thresholds	100	10	10	27	15	15
<b>CEQA Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
<b>NEPA Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

## Notes:

- Source: Catle Environmental, 2018 (Appendix A)
- Emissions are conservatively calculated without emission controls even though SJVAPCD Regulation VIII would require controls on fugitive dust.
- Total construction emissions will take place within one rolling 12-month period (approximately 120 working days).
- Emissions include all construction activities (Pipeline Installation, Trench Resurfacing, and Pump Station Installation).

When assessing the significance of project-related impacts on air quality, the SJVAPCD states that the impacts may be significant when on-site emission increases from construction activities or operational activities exceed a 100 pounds per day screening level of any criteria pollutant after implementation of all enforceable mitigation measures. Under such circumstance, the SJVAPCD recommends that an ambient air quality analysis (AAQA), using air dispersion modeling, be performed (Castle Environmental, 2018).

In accordance with GAMAQI guidance, Table 3-3 shows the proposed Project's estimated construction emissions converted to daily emission rates based on a 120-working day duration. The emission rates are well below the 100 lb/day AAQA screening level for all pollutants. Therefore, the proposed Project's impact on local ambient air pollutant levels would be less than significant.

**Table 3-3  
Ambient Air Quality Analysis Applicability Determination**

Pollutant	Construction Duration (work days)	Daily	AAQA Threshold (lb/day)	AAQA Required?
		Construction Emission Rate (lb/day)		
CO	120	13.4	100	No
NO <sub>x</sub>		19.6	100	No
ROG		1.9	100	No
SO <sub>x</sub>		0.03	100	No
PM <sub>10</sub>		28.7	100	No
PM <sub>2.5</sub>		3.6	100	No

Source: Castle Environmental, 2018

CEQA defines cumulative impacts as two or more individual effects which, when considered together, are either significant or “cumulatively considerable”, meaning they add considerably to a significant environmental impact. As shown in Table 3-2, the criteria pollutant emissions during proposed Project construction would be well below the SJVAPCD’s significance thresholds. Therefore, the proposed Project would not produce a cumulatively considerable contribution to a significant cumulative criteria pollutant impact. Impacts would be less than significant.

#### **MITIGATION MEASURE(S)**

No mitigation is required.

#### **LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.3d – Would the Project expose sensitive receptors to substantial pollutant concentrations?** There are no sensitive receptors adjacent to the pump station. The closest receptors to the pump include the Lemoore Naval Health Clinic, which is located approximately 1.25 miles west, and Kaweah Hospital, located approximately 2.7 miles east of the pump station. The closest receptors to the pipeline are residences approximately 150 feet and Akers Elementary School approximately one-third of a mile away from a portion of the pipeline to be installed in the gravel-surfaced north-south roadway. Emissions of criteria pollutants during construction will be temporary, and once operational, emissions will be minimal.

The primary source of toxic air contaminant (TAC) emissions during proposed Project construction would be diesel particulate matter (DPM) emissions from construction equipment. CARB classifies DPM as a carcinogen (Castle Environmental, 2018). Cancer risks associated with proposed Project construction are not expected to be an issue of concern for the following reasons: (1) the duration of exposure to construction emissions would be brief

(less than one year) compared to a 30-year exposure period assumed for the assessment of cancer risk for residential receptors; (2) proposed Project construction would involve a relatively small number of diesel equipment, therefore producing relatively low levels of DPM emissions; and (3) the construction emissions would be spread out and diluted over the 4.5-pipeline route, resulting in relatively small exposures at any given receptor location. Therefore, the proposed Project would not expose sensitive receptors to substantial concentrations of TACs.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact*.

**Impact #3.4.3e – Would the Project create objectionable odors affecting a substantial number of people?**

SJVAPCD identifies some common types of facilities that have been known to produce odors in the SJVAB (San Joaquin Valley Air Pollution Control District, 2015). These can be used as a screening tool to qualitatively assess a project’s potential to adversely affect area receptors. Because the operations of the project are not expected to cause a public nuisance due to odor and the anticipated project site is not listed in the GAMAQI as a source that would create objectionable odors, the project is not expected to be a source of objectionable odors.

Based on the provisions of the GAMAQI, the proposed Project would not exceed any screening trigger levels to be considered a source of objectionable odors or odorous compounds. Furthermore, there does not appear to be any significant source of objectionable odors in close proximity that may adversely impact the project site when it is in operation. Additionally, the Project emission estimates indicate that the proposed project would not be expected to adversely impact surrounding receptors. As such, the proposed Project would not be a source of any odorous compounds nor would it likely be impacted by any odorous source

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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### 3.4.4 - BIOLOGICAL RESOURCES

Would the project:

- |    |  |                          |                                     |                                     |                                     |
|----|--|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. | Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| b. | Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| c. | Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| d. | Interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| e. | Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f. | Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

### Discussion

A biological reconnaissance survey was conducted to determine whether there are sensitive biological resources that might be adversely affected by the proposed Project. The evaluation

is based upon existing site conditions, the potential for sensitive biological resources to occur on and in the vicinity of the Project site, and any respective impacts that could potentially occur.

In addition to providing an evaluation of the Project's impacts to biological resources, the report includes a detailed description of the regulatory environment as it relates to biological resources.

A literature search of the California Department of Fish and Wildlife's California Natural Diversity Database (CNDDDB) (CNDDDB 2018), California Native Plant Society (CNPS 2018), and United States Fish and Wildlife Service Endangered Species List (USFWS 2018) was conducted to identify special-status plant and wildlife species with the potential to occur within the Project site and vicinity (the surrounding nine quads and a 10-mile radius). The results of the database inquiry were subsequently reviewed to evaluate the potential for occurrence of special-status species on or near the Project site prior to conducting the biological reconnaissance survey.

QK biologists conducted a biological reconnaissance survey of the Project site and a 500-foot buffer area, where feasible, on June 14, 2018 (QK, 2018). The purpose of the survey was to determine the locations and extent of potential plant communities and sensitive habitats, and the potential for occurrence of special-status plant and animal species within the Project site and surrounding buffer area. Survey methodologies included two methodologies. Meandering 100-foot transects were used on natural, ruderal or undeveloped lands. The survey intensity was increased in less disturbed areas of more natural habitats and in other areas that were better suited to support listed species. A "windshield" survey was conducted in areas dominated by cultivated, recently disked, and developed land. Photographs were taken to document the existing landscape of the Project site and adjacent land uses; detailed notes on observed plant and wildlife species and site conditions were taken while conducting the survey.

QK biologists also conducted a partial waters and wetlands delineation concurrently with the field survey on June 14, 2018. A drainage ditch within Project boundaries, an irrigation ditch adjacent to the Project, and three wetlands/riparian areas within the Project buffer were delineated to United States Army Corps of Engineers (ACOE) standards using an iPad combined with an EOS Arrow 100 GNSS GPS Receiver that is capable of sub-meter spatial accuracy. Additional irrigation ditches near the Project were mapped by digitizing boundaries from aerial photography. The delineation efforts were sufficient for an evaluation of Project impacts, but additional on-site work may be needed to meet ACOE standards for those features that were digitized from aerial photographs. The of the survey results was used as the basis for the analysis below and can be found in Appendix B of this document.

**Impact #3.4.4a – Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?**



The Project site is dominated by intensive agriculture areas. There are nearby low-density rural residential and military housing. The Project crosses through approximately 200 feet of Valley Sink Scrub habitat, which is a sensitive natural community. That area is south of SR 198, west of the Kings River, and north of Jackson Avenue.

### **Sensitive Habitats and Special-Status Species**

#### **SPECIAL-STATUS PLANTS**

No special-status plant species were identified on or near the Project during the reconnaissance-level field survey (see Appendix B). There are seven special-status plant species that could occur in the southernmost portion of the Project, in that area vegetated with Valley Sink Scrub habitat. Two of the plant species are endangered; the California jewelflower (*Caulanthus californicus*) and the San Joaquin woollythreads (*Monolopia congdonii*).

There is habitat on the Project site to support the seven species with the potential to occur. All but one of these plant species would only be present in the small, approximately 200-foot-long, area of Valley Sink Scrub that occurs on the Project site. It is unlikely that any of these species occur in that limited area. The other species that could be present would occur in wetted areas of dirt-lined canals and ditches, but that species would be unlikely to occur because of the routine maintenance that occurs in those areas

#### **SPECIAL-STATUS WILDLIFE**

Twenty-four special-status wildlife species were identified in the CNDDDB and USFWS database queries within the twelve USGS 7.5-minute quadrangles that encompass the Project (QK, 2016). These included five invertebrates, one fish, three amphibians, five reptiles, three birds, and seven mammals. There is suitable habitat on or near the Project site for fourteen of these species, but there are only ten of these special-status wildlife species have the potential to be affected by the Project. There was a sighting of an additional special-status species, loggerhead shrike (*Lanius ludovicianus*), that did not show up in the records search. The 11 species include one amphibian, three reptiles, four birds, and two mammals (see Appendix B, Table 5-2). It is unlikely that the Project will result in impacts to these species.

A possible San Joaquin Kit Fox den was observed near the intersection of the Project and State Route 198. No other special-status species were observed during this survey. There were no other special-status species observed on or near the Project site but there are nine other species with the potential to occur. These other species have a low potential to occur on the Project site and are unlikely to be affected by the Project. The special-status wildlife species with a potential to occur on the Project site include the western spadefoot (*Spea hammondi*), San Joaquin coachwhip (*Masticophis flagellum ruddocki*), giant garter snake (*Thamnophis gigas*), western pond turtle (*Emys marmorata*), tri-colored blackbird (*Agelaius tricolor*), western burrowing owl (*Athene cunicularia*), Swainson's hawk (*Buteo swainsoni*), yellow-headed blackbird (*Xanthocephalus xanthocephalus*), and American

badger (*Taxidea taxus*). The evaluation of the potential for these species to occur on the Project site are provided in Appendix B.

## CONCLUSION

Project construction activities have the potential to impact two special status plant species-California jewelflower and the San Joaquin woollythreads, as well as 11 special-status wildlife species, including the western spadefoot, San Joaquin coachwhip, giant garter snake, western pond turtle, tri-colored blackbird, western burrowing owl, Swainson's hawk, yellow-headed blackbird, loggerhead shrike, American badger, and San Joaquin kit fox. Impacts are expected to be minimal due to the temporary and focused nature of the Project. Direct and indirect impacts are unlikely to occur, which will be avoided or minimized with the implementation of measures listed below. No measures would be needed to avoid and minimize impacts to the western spadefoot or San Joaquin coachwhip because Project impacts to those species would be less than significant; potential Project impacts would not reduce any existing populations to below self-sustaining levels or substantially reduce or restrict the range of these species.

## MITIGATION MEASURE(S)

**MM BIO-1:** Prior to construction activities in the Valley Sink Scrub habitat, a pre-construction survey for the San Joaquin woollythreads and the California jewelflower shall be performed. The survey shall occur during the appropriate flowering period for these species. If these species are found to occur and cannot be avoided by the Project, then CDFW and/or USFWS shall be notified within 10 days prior to construction activities to allow CDFW and/or USFWS to perform a salvage operation.

The Project footprint shall be reduced to the minimum area possible to allow the pipeline (and pump station) to be installed, and the topsoil from the trench (the top 6-inches) shall be removed and stockpiled separately from the remaining soil removed from the trench. The topsoil shall be covered during storage. Once the trench has been backfilled, the topsoil shall be distributed over the top of the backfilled trench and compacted. This process will allow for any seedbank present in the topsoil to be retained in the uppermost soil.

## MM BIO-2:

- a. A pre-construction survey of potential giant garter snake habitat shall be completed by a qualified biologist no more than 24 hours prior to ground disturbance activities. A qualified biological monitor shall be onsite during vegetation removal in potential giant garter snake habitat and within 200 feet of potential giant garter snake habitat. This habitat is limited to the vegetated drainage ditch near its crossing of State Route 198 and the area south of Jackson Avenue.
- b. Vegetation removal within 200 feet of suitable giant garter snake aquatic habitat shall be confined to the minimal area necessary to allow for the installation of the pipeline

(and pump station). Movement of heavy equipment shall be confined to existing roadways or temporary construction access roads established during construction.

- c. If a giant garter snake is observed in the construction area, all activities shall cease, and qualified biologist shall be notified immediately. The snake shall be allowed to leave on its own and activities shall not resume until the snake has moved out of the area on its own. If the snake does not vacate the area on its own, activities must be suspended and USFWS and CDFW shall be contacted. If a giant garter snake is found and cannot be avoided, Incidental Take Permits may need to be acquired. USFWS and CDFW shall be notified by telephone or email within 24 hours of a giant garter snake observation.

**MM BIO-3:**

- a. A survey for the western pond turtle shall be conducted by a qualified biologist within 14 days prior to beginning of construction. This may be combined with other pre-construction surveys.
- b. A biological monitor shall be on-site during all vegetation removal activities within 200 feet of habitat capable of supporting the western pond turtle. If any turtles are encountered in the Project during construction, construction shall halt until the qualified biologist determines the species of turtle. If it is not a western pond turtle, work may continue.
- c. If a western pond turtle is found, all work within 100 feet of the turtle shall stop until the turtle vacates the area of its own accord or the area where the turtle occurs can be protected using exclusion fencing. If the installation of exclusion fencing is not practical, then the turtle may be relocated away from the construction site, into nearby suitable habitat, by a qualified biologist.

**MM BIO-4:** A pre-construction survey shall be conducted for the western burrowing owl within 14 days of the start of construction. If any burrowing owl burrows are observed during the preconstruction survey, avoidance measures shall be consistent with those included in the CDFW staff report on burrowing owl mitigation (CDFG 2012). If occupied burrowing owl burrows are observed outside of the breeding season (September 1 through January 31) and within 500 feet of proposed construction activities, a passive relocation effort may be instituted in accordance with the guidelines established by the *Burrowing Owl Survey Protocol and Mitigation Guidelines* (California Burrowing Owl Consortium 1993) and the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012). During the breeding season (February 1 through August 31), a 250-foot (minimum) buffer zone shall be maintained unless a qualified biologist verifies through noninvasive methods that either the birds have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent survival. If necessary, passive relocation may be conducted to remove burrowing owls from the Project site, but only after approval has been obtained from the California Department of Fish and Wildlife. Passive relocation would only be conducted by a qualified biologist.

**MM Bio-5:** A pre-construction survey shall be conducted for the San Joaquin kit fox within 14 to 30 days of the start of construction. The project proponent shall follow the *USFWS Standardized Recommendations for Protection of the San Joaquin Kit Fox Prior to or During Ground Disturbance*.

If any San Joaquin kit fox dens are found during preconstruction surveys, the status of the dens shall be evaluated prior to project ground disturbance. Provided that no evidence of kit fox occupation is observed, potential dens shall be marked, and a 50-foot avoidance buffer delineated using stakes and flagging or other similar material to prevent inadvertent damage to the potential den. If a potential den cannot be avoided, it may be hand-excavated following United States Fish and Wildlife Service standardized recommendations for protection of the San Joaquin kit fox prior to or during ground disturbance. If kit fox activity is observed at a den, the den status shall change to “known” per United States Fish and Wildlife Service guidelines (1999) and the buffer distance shall be increased to 100 feet. Absolutely no excavation of San Joaquin kit fox known or pupping dens shall occur without prior authorization from the United States Fish and Wildlife Service and California Department of Fish and Wildlife.

**MM BIO-6:** The measures listed below shall be implemented during construction and operation of the Project to protect the American badger and San Joaquin kit fox.

- a. Project-related vehicles shall observe a 20-mph speed limit in all Project areas, except on County roads and State and Federal highways; this is particularly important at night when kit foxes and badgers are most active. Nighttime construction shall be avoided, unless the construction area is appropriately fenced to exclude badgers kit foxes. The area within any such fence must be determined to be uninhabited by San Joaquin Kit foxes or American badgers prior to initiation of construction. Off-road traffic outside of designated Project areas shall be prohibited.
- b. To prevent inadvertent entrapment of kit foxes, badgers, or other animals during the construction phase of the Project, all excavated, steep-walled holes or trenches more than 2 feet deep shall be covered prior to the end of each working day by plywood or similar materials, or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they shall be thoroughly inspected for trapped animals. If at any time a trapped or injured kit fox is discovered, the qualified biologist, USFWS and CDFW shall be contacted for advice.
- c. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipe, becoming trapped or injured. All construction pipes, culverts, or similar structures with a diameter of 4-inches or greater that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in anyway. If a kit fox is discovered inside a pipe, that section of pipe shall not be moved until the USFWS has been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved once to remove it from the path of construction activity, until the fox has escaped.

- d. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in closed containers and removed at least once a week from a construction or Project site.
- e. No pets shall be permitted on the Project site.
- f. Use of rodenticides and herbicides in Project areas shall be restricted. This is necessary to prevent primary or secondary poisoning of kit fox and the depletion of prey populations on which they depend. All uses of such compounds shall observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and federal legislation, as well as additional Project-related restrictions deemed necessary by the USFWS. If rodent control must be conducted, zinc phosphide shall be used because of a proven lower risk to kit fox.
- g. No plants or wildlife shall be collected, taken, or removed from the construction areas or areas of offsite improvements, except as necessary for Project-related vegetation removal or wildlife relocation. Salvage of native vegetation to be removed from construction areas is encouraged but shall only be performed by qualified biologists and with written approval from the CDFW.
- h. A representative shall be appointed by the Project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox, or who finds a dead, injured or entrapped individual. The representative's name and telephone number shall be provided to the USFWS and CDFW.
- i. In the case of trapped animals, escape ramps or structures shall be installed immediately to allow the animal(s) to escape, or the USFWS and CDFW shall be contacted for advice.
- j. Any contractor, employee(s), or military or agency personnel who inadvertently kills or injures a San Joaquin kit fox shall immediately report the incident to their representative. This representative shall contact the CDFW immediately in the case of a dead, injured or entrapped kit fox. The CDFW contact for immediate assistance is State Dispatch at (916) 445-0045. They would contact the local warden or qualified biologist.
- k. The USFWS and CDFW shall be notified in writing within three working days of the accidental death or injury to a San Joaquin kit fox during Project-related activities. Notification shall include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information.
- l. The above listed measures would also protect American badgers.

**MM BIO-7:** If Project construction takes place entirely between September 16 and February 28, it would avoid the breeding season of Swainson's hawk and no measures would need to be implemented. If any portion of Project construction takes place between March 1 and September 15, protocol-level Swainson's hawk surveys shall be conducted. The two Swainson's hawk survey periods immediately prior to beginning of construction shall be conducted following the *Recommended Timing and Methodology for Swainson's Hawk*

*Nesting Surveys in California's Central Valley* (Swainson's Hawk Technical Advisory Committee 2000). If an active Swainson's hawk nest is discovered within half a mile of the Project, construction shall be delayed until the CDFW is contacted for guidance and a qualified biologist shall monitor the nest on a weekly basis during construction activities to determine nesting activity and document any nest abandonment. Because neither foraging habitat or potential nesting trees will be removed or degraded as part of this Project, compensatory mitigation shall not be required.

**MM BIO-8:** Prior to ground disturbance activities at the Project site and as needed during construction activities, all workers on the Project shall attend a Construction Worker Environmental Awareness Training and Education Program, developed and presented by a qualified biologist.

The Construction Worker Environmental Awareness Training and Education Program would be presented by the biologist and shall include information on the life history of wildlife and plant species that may be encountered during construction activities, their legal protections, the definition of "take" under the Endangered Species Act, measures the Project operator is implementing to protect the San Joaquin kit fox and other species, reporting requirements, specific measures that each worker would employ to avoid take of the wildlife species, and penalties for violation of the Act. Identification and information regarding sensitive or other special status plant species shall also be provided to construction personnel.

- a. An acknowledgement form signed by each worker indicating that environmental training has been completed.
- b. A sticker that shall be placed on hard hats indicating that the worker has completed the environmental training. Construction workers shall not be permitted to operate equipment within the construction area unless they have attended the training and are wearing hard hats with the required sticker;
- c. A copy of the training transcript and/or training video/CD, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgement forms shall be maintained on site for the duration of construction activities.
- d. The construction crews and contractor(s) would be responsible for unauthorized impacts from construction activities to sensitive biological resources that are outside the areas defined as subject to impacts by Project permits.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact with mitigation incorporated*

**Impact #3.4.4b – Would the Project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?**

Riparian habitat is defined as lands that are influenced by a river, specifically the land area that encompasses the river channel and its current or potential floodplain. There is no riparian habitat that would be impacted by the Project. There is approximately 200 feet of the Project that traverses through Valley Sink Scrub habitat, which is a sensitive natural community, resulting in up to 0.06 acres of temporary disturbance. The limited disturbance to this habitat will not substantially degrade the environment, result in substantial habitat reduction for a fish or wildlife species, or result in a substantial elimination of a plant or animal community. With implementation of MM BIO-1 through MM BIO-8, impacts to this small amount of Valley Sink Scrub habitat will be temporary and less than significant.

#### **MITIGATION MEASURE(S)**

Implementation of MM BIO-1 through MM BIO-8.

#### **LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact with mitigation incorporated*.

**Impact #3.4.4c – Would the Project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

Wetlands, streams, reservoirs, sloughs, and ponds typically meet the criteria for federal jurisdiction under Section 404 of the Clean Water Act (CWA) and State jurisdiction under the Porter-Cologne Water Quality Control Act. Streams and ponds typically meet the criteria for State jurisdiction under Section 1602 of the California Fish and Game Code.

The United States Army Corps of Engineers (USACE) has regulatory authority over the CWA, as provided for by the EPA. The USACE has established specific criteria for the determination of wetlands based upon the presence of wetland hydrology, hydric soils, and hydrophilic vegetation. There are no federally-protected wetlands or vernal pools that occur within the Project site. No waters of the U.S., including wetlands were observed on the project site. Therefore, the project would not have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the CWA. There would be no impact to federally protected wetlands or waterways as a result of the proposed project. Therefore, impacts would be considered less than significant

However, the pipeline will cross four existing irrigation drainages or ditches totaling 1.137 acres (QK, 2018). These drainages are not expected to be considered Waters of the US but may be Waters of the State. The Project will result in impacts to State Waters, but those impacts are limited to the four ditches that occur along the pipeline route. All wetlands and riparian vegetation are outside of the Project footprint and will not be affected by the Project. As required by MM BIO-9, prior to commencement of pipeline construction, a delineation of the drainage would be conducted to determine if the drainage is considered Waters of the US or Waters of the State, identify the bed and bank, and determine the amount of

disturbance area that would be required. Applications for the appropriate permits would be obtained prior to any construction activities. Implementation of MM BIO-9 would reduce impacts to less than significant.

Impacts to State regulated Waters would not result in substantial degradation of the environment or result in substantial habitat reduction for a fish or wildlife species. However, implementation of MM BIO-9, and would therefore be a less than significant impact.

**MITIGATION MEASURE(S)**

**MM BIO-9:** Prior to initial impacting State Waters, the project proponent shall:

- a. A wetland delineation shall be completed to Army Corps of Engineers' (ACOE) standards, which satisfies requirements of the RWQCB.
- b. The Project proponent shall obtain a Streambed Alteration Agreement from the CDFW and if necessary, a Waters Quality Certification pursuant to Section 401 of the CWA from the RWQCB, prior to impacting any State Waters. A formal concurrence with the findings of the delineation of wetlands and waters shall be obtained from the ACOE.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact with mitigation incorporated*

**Impact #3.4.4d – Would the Project interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?**

The Project will not impact fish or wildlife movement corridors, linkages, nursery sites, or critical habitat, as none of these areas are found in or near the Project. No avoidance or mitigation measures are warranted.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The project would have a *less than significant impact*

**Impact #3.4.4e – Would the Project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**

The project site is located within unincorporated Kings County and complies with provisions contained in the 2035 Kings County General Plan. The General Plan includes goals, objectives and policies (III. Resource Conservation Policies D and E) to address the protection of



special-status wildlife and their habitats (County of Kings, 2010). The project would not conflict with any local policies or ordinances protecting biological resources. Implementation of the proposed project would have no impact related to policies or ordinances protecting biological resources.

**LEVEL OF SIGNIFICANCE**

The Project would have *no impact*.

**MITIGATION MEASURE(S)**

No mitigation is required.

**Impact #3.4.4f – Would the Project conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?**

No applicable Habitat Conservation Plan or Natural Community Conservation plan exists in Kings County. Critical Habitat for the federally endangered Buena Vista Lake ornate shrew exists approximately one mile to the east of the Project. However, there are no known observations of the shrew within 10 miles of the Project, and the Critical Habitat area will not be impacted by the Project. The Buena Vista Lake ornate shrew is included in the comprehensive 1998 Recovery Plan for Upland Species of the San Joaquin Valley (US Fish and Wildlife Service, 1998). The Project will not conflict with this recovery plan nor will it impact critical habitat, and therefore no impact will occur.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project would have *no impact*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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### 3.4.5 - CULTURAL RESOURCES

Would the project:

- |  |                          |                                     |                          |                          |
|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a. Cause a substantial adverse change in the significance of a tribal cultural resource, or historical resource as defined in CEQA Guidelines Section 15064.5? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Disturb any human remains, including those interred outside of formal cemeteries?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

### Discussion

The analysis presented in this section is based on a cultural resources records (RS# 18-277) search conducted for the proposed project by QK archaeologist Robert Parr, MA, RPA at the Southern San Joaquin Valley Information Center (SSJVIC), a part of the California Historical Resources Information System (Parr, R.E., 2018). The Lead Agency requested a records search of the Sacred Land File (SLF) by the Native American Heritage Commission (NAHC). The report references and response from NAHC are included in this document as Appendix C.

#### Impact #3.4.5a – Would the Project cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines Section 15064.5?

The 2035 Kings County General Plan Resource Conservation Element states that the County has a number of historical sites, four of which are included on the National Register of Historic Places, three are designated as California Historical Landmarks, and the remaining are identified as being historic sites of local importance (Kings County, 2010). The proposed Project is located within a predominantly agricultural area and does not contain any listed historic resources, nor is it located within an identified historic district. The Project would have no impact on registered historic resources.

A cultural resources records search (RS # 18-2777) was conducted at the Southern San Joaquin Valley Information Center, California State University- Bakersfield, for the Project. The records search covered an area within one half mile of the pipeline route and included a

review of the National Register of Historic Places (NRHP), California Points of Historical Interest (CPHI), California Registry of Historic Resources (CRHR), California Historical Landmarks (CHL), California State Historic Resources Inventory (CSHRI), and a review of cultural resource reports on file.

The records search indicated that six cultural resource surveys previously had been conducted on or adjacent to portions of the alignment. These include five linear surveys that intersected with the alignment at various points and one that was conducted immediately adjacent to and east of a three-mile segment of the alignment (Parr, R.E., 2018). No additional cultural resource surveys have been performed within a half mile of the proposed pipeline alignment.

Nine cultural resource properties have been recorded within a half mile of the pipeline. These consist of five historical sites, including three buildings associated with the nearby Naval Air Station Lemoore, and a PG&E transmission line and tower. Prehistoric resources include two flaked stone scatters and two isolated artifacts. No additional cultural resources have been recorded within a half mile of the alignment. The historic and prehistoric resources have been previously analyzed and determined not NRHP/CRHR eligible.

California Native American tribes traditionally and culturally affiliated with the project area have provided a request to the Lead Agency for consultation on proposed projects pursuant to AB 52, Public Resources Code (PRC) Section 21080.3.1.

Although considered unlikely, since there is no recorded evidence or surface evidence of historical or archaeological resources within the project area or temporary staging area, there is the potential for project-related excavation and construction to potentially damage or destroy previously undiscovered cultural resources. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock as well as historic resources such as glass, metal, wood, brick, or structural remnants. This is considered a potentially significant impact. Mitigation is proposed requiring implementation of standard inadvertent discovery procedures to reduce impacts to previously undiscovered subsurface historical resources.

**MITIGATION MEASURE(S)**

**MM CUL-1:** If prehistoric or historic-era cultural materials are encountered during construction activities, all work in the immediate vicinity of the find shall halt until a qualified archaeologist can evaluate the find and make recommendations. Cultural resource materials may include prehistoric resources such as flaked and ground stone tools and debris, shell, bone, ceramics, and fire-affected rock as well as historic resources such as glass, metal, wood, brick, or structural remnants. If the qualified archaeologist determines that the discovery represents a potentially significant cultural resource, additional investigations may be required to mitigate adverse impacts from project implementation.

The qualified archaeologist shall determine the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and

evaluation of the finds in accordance with §15064.5 of the CEQA Guidelines. Mitigation measures may include avoidance, preservation in-place, recordation, additional archaeological testing, and data recovery, among other options. Any previously undiscovered resources found during construction within the Project area shall be recorded on appropriate Department of Parks and Recreation forms and evaluated for significance. No further ground disturbance shall occur in the immediate vicinity of the discovery until approved by the qualified archaeologist.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.5b – Would the Project cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?**

See discussion in Impact #3.4.5a, above. Although considered unlikely since there is no indication of any prehistoric resources on the project site, subsurface construction activities associated with the proposed project could potentially damage or destroy previously undiscovered archaeological resources. Mitigation is proposed requiring implementation of standard inadvertent discovery procedures to reduce potential impacts to previously undiscovered subsurface historic and archaeological resources.

**MITIGATION MEASURE(S)**

Implement Mitigation Measure MM CUL-1.

**LEVEL OF SIGNIFICANCE**

The Project would have a *less than significant impact with mitigation incorporated*.

**Impact #3.4.5c – Would the Project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

There are no unique geological features or known fossil-bearing sediments in the vicinity of the project site. The only known paleontological resource noted in the 2035 Kings County General Plan (Kings County, 2010) is the Kettleman Hills fossil beds, which are approximately 17 miles southwest of the project.

However, there remains the possibility for previously unknown, buried, paleontological resources or unique geological sites to be uncovered during subsurface construction activities. Therefore, this would be a potentially significant impact. Mitigation is proposed requiring standard inadvertent discovery procedures to be implemented to reduce this impact to a level of less than significant.

**MITIGATION MEASURE(S)**

**MM CUL-2:** During grading and site preparation activities, if paleontological resources are encountered, all work within 50 feet of the find shall halt until a qualified paleontologist, in accordance with Society of Vertebrate Paleontology standards can evaluate the find and make recommendations. Paleontological resource materials may include resources such as fossils, plant impressions, or animal tracks preserved in rock. If the qualified paleontologist determines that the discovery represents a potentially significant paleontological resource, additional investigations and fossil recovery may be required to mitigate adverse impacts from project implementation. The paleontologist shall notify the appropriate representative at the County of Kings, who shall coordinate with the paleontologist as to any necessary investigation of the find. If the find is determined to be significant under CEQA, the County shall implement mitigation measures, which may include avoidance, preservation in place, or other appropriate measures, as outlined in PRC Section 21083.2.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.5d – Would the Project disturb any human remains, including those interred outside of formal cemeteries?**

As previously noted, a requested search of the California NAHC Sacred Lands File search has not revealed no records of known sensitive cultural resources in the vicinity of the project area. Human remains are not known to exist within the project area. However, construction would involve earth-disturbing activities, and it is still possible that human remains may be discovered, possibly in association with archaeological sites. MM CUL-3 has been included in the unlikely event that human remains are found during ground-disturbing activities. Implementation of MM CUL-1 would further reduce impacts to cultural resources. Impacts would be less than significant with implementation of mitigation.

**MITIGATION MEASURE(S)**

**MM CUL-3:** If human remains are discovered during construction or operational activities, further excavation or disturbance shall be prohibited pursuant to Section 7050.5 of the California Health and Safety Code. The specific protocol, guidelines, and channels of communication outlined by the Native American Heritage Commission, in accordance with Section 7050.5 of the Health and Safety Code, Section 5097.98 of the Public Resources Code (Chapter 1492, Statutes of 1982, Senate Bill 297), and Senate Bill 447 (Chapter 44, Statutes of 1987), shall be followed. Section 7050.5(c) shall guide the potential Native American involvement, in the event of discovery of human remains, at the direction of the county coroner.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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### 3.4.6 - GEOLOGY AND SOILS

Would the project:

- |      |   |                          |                                     |                                     |                                     |
|------|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a.   | Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:   |                          |                                     |                                     |                                     |
| i.   | Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| ii.  | Strong seismic ground shaking?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| iii. | Seismic-related ground failure, including liquefaction?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| iv.  | Landslides?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b.   | Result in substantial soil erosion or the loss of topsoil?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| c.   | Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d.   | Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| e.   | Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

## **Discussion**

**Impact #3.4.6a(i), (ii), (iii), (iv):** Would the Project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42; expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking; expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction; or expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides?

The Project site is not located within an Alquist-Priolo Earthquake Fault Zone. Per the Department of Conservation, California Geologic Survey Regulatory Maps (Department of Conservation, 2015), the nearest fault is the Nunez fault, which lies in the Alcalde Hills 7.5-minute quadrangle, northwest of Coalinga in Fresno County. According to the 2035 Kings County General Plan, there are no known major fault systems within Kings County. The greatest potential for geologic disaster in Kings County is posed by the San Andres Fault, which is located approximately 40 miles west of project (Kings County, 2010). The distance from the nearest active faults precludes the possibility of fault rupture on the project site.

The Project site is located within an area designated as Zone V1 or Valley Zone 1, which is identified as the area of least expected seismic shaking (see Figure HS-2 on page HS-10 of the Health and Safety Element of the 2035 Kings County General Plan). The potential for ground shaking is discussed in terms of the percent probability of exceeding peak ground acceleration (% g) in the next 50 years (Kings County, 2010). The Project site's exceedance probability in the next 50 years is between 20-30%, which is the lowest within the county. Although the Project area could potentially experience ground shaking, the magnitude of the hazard would not be severe as indicated by the Health and Safety Element of the 2035 Kings County General Plan. Therefore, a less than significant impact would occur.

Liquefaction could result in local areas during a strong earthquake or seismic ground shaking where unconsolidated sediments and a high-water table coincide. The Project site is noted in Figure HS-2 Seismic Safety Map of the 2035 Kings County General Plan as an area not subject to potential liquefaction. The project would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure including liquefaction.

The Project site currently undeveloped and is essentially flat. Similarly, the surrounding area is predominately cultivated or uncultivated cropland, which experiences frequent disking. The site's topography would not change substantially as a result of project development. The Project site is located in an area as having "Low" (less than 1.5 percent of area involved) for landslide incidents (see Figure HS-3 California Landslide Hazards Map, 2035 Kings County General Plan) Since the site is essentially flat in nature from the existing agricultural activities with no surrounding slopes and it is not considered to be prone to landslides the

project would not expose people or structures to potential substantial adverse effects from landslides.

Based on this analysis, a less than significant impact would occur related to impacts from seismic ground shaking, liquefaction, earthquakes and landslides.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.6b – Would the Project result in substantial soil erosion or the loss of topsoil?**

Soils underlying the Project consist almost entirely of Lethent Clay Loam, with small sections of Gepford Clay on the northern and southern ends of the Project and a small section of Tulare Clay at the extreme southeastern tip (Figure 3-1).

The proposed Project site components are 10,000 square foot, ground-level pad-supported pump station and a buried pipeline in an existing road right-of-way (Jackson Avenue), under a drainage ditch, and under a gravel-surfaced or unsurfaced access road. The development of the proposed facilities is not expected to subject the site to any extreme erosion problems.

As is noted in Impact #3.4.9 (a), the State Water Resources Control Board's (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit (No. 2012-0006-DWQ) for stormwater discharges associated with construction and land disturbance activities, the project proponent must develop and implement a Linear Underground Project Stormwater Pollution Prevision Plan (LUP SWPPP) that specifies best management practices (BMPs) to prevent construction pollutants, including erosion of soils (such as topsoil), from moving offsite. MM HYD-1 below requires the preparation and implementation of a SWPPP to comply with the Construction General Permit requirements. Therefore, with implementation of MM HYD-1, the project would have a less-than-significant impact on soil erosion and loss of topsoil.

**MITIGATION MEASURE(S)**

Implementation of HYD-1.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.



**Impact #3.4.6c – Would the Project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?**

As previously discussed, the site soils are considered stable in that there is not a potential of on- or offsite landslides, lateral spreading, subsidence, liquefaction or collapse. The project is not located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project. Therefore, impacts would be less than significant.

**MITIGATION MEASURES**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.6d – Would the Project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?**

The Project site and alignment are located in an area with clay loams, an expansive soil (see Figure 3-1). Expansive clay soils are subject to shrinking and swelling due to changes in moisture content over the seasons. These changes can cause damage or failure of foundations, utilities, and pavements. During periods of high moisture content, expansive soils under foundations can heave and result in structures lifting. In dry periods, the same soils can collapse and result in settlement of structures. According to the 2035 Kings County General Plan Health and Safety Element (see figure HS-4), the site is within the area identified as having expansive soil (County of Kings, 2010).

The on-grade pump station will be designed by qualified civil/structural engineers to resist pad deformity or failures. Compliance with the policies of the Kings County General Plan, Development Code, and the CBC would reduce potential site-specific impacts to less than significant levels. The pipeline poses no construction or operational hazards because of soil clay content.

**MITIGATION MEASURES**

No mitigation is required

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.6e – Would the Project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater?**

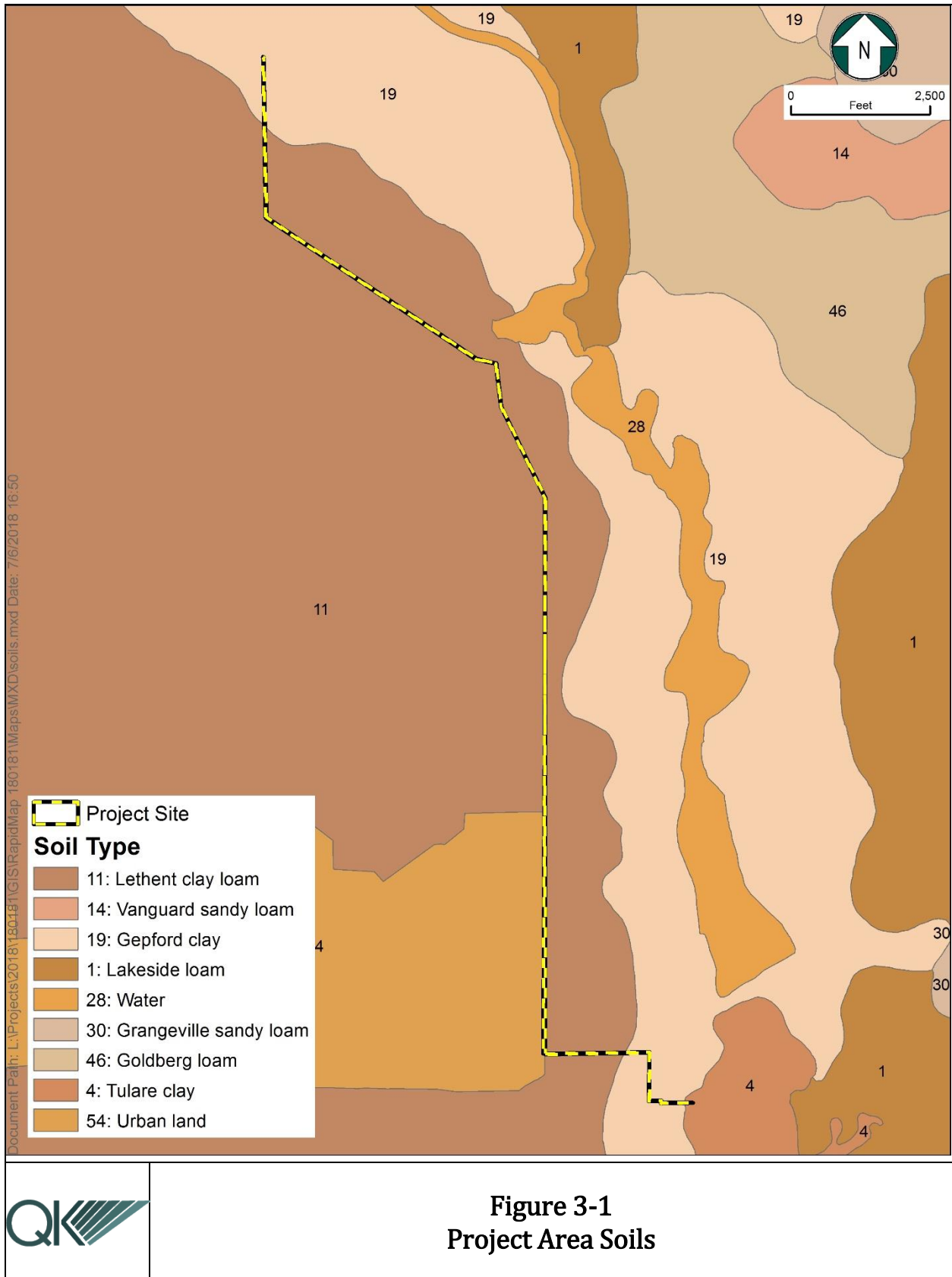
The Project does not include the installation or use of a septic system or alternative wastewater disposal system. Portable toilets will be provided to construction crews during construction activities. Once operational, maintenance staff will come from other existing facilities to do routine maintenance activities. Therefore, there would be no impact.

***MITIGATION MEASURES***

No mitigation is required.

***LEVEL OF SIGNIFICANCE***

There would be *no impact*.



	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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**3.4.7 - GREENHOUSE GAS EMISSIONS**

Would the project:

- |  |                          |                          |                                     |                          |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?        | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Discussion**

The following analysis is based primarily on the Air Quality Impact Analysis (AQIA) prepared for this Project by Castle Environmental Consultants (Castle Environmental, 2018), included as Appendix A in this document.

**Impact #3.4.7a and #3.4.7b – Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment or conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

There have been significant legislative and regulatory activities that directly and indirectly affect climate change and GHGs in California. The primary climate change legislation in California is AB 32, the California Global Warming Solutions Act of 2006. AB 32 focuses on reducing GHG emissions in California. GHGs, as defined under AB 32, include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride. AB 32 requires that GHGs emitted in California be reduced to 1990 levels by the year 2020. The California Air Resources Board (ARB) is the state agency charged with monitoring and regulating sources of emissions of GHGs that cause global warming in order to reduce emissions of GHGs. SB 32 was signed by the Governor in 2016, which would require the state board to ensure that statewide greenhouse gas emissions are reduced to 40% below the 1990 level by 2030.

One key element of the Scoping Plan is the Cap-and-Trade Program. It sets a statewide limit on sources responsible for 85 percent of California’s GHG emissions, and establishes a price signal needed to drive long-term investment in cleaner fuels and more efficient use of energy. The program is designed to provide covered entities the flexibility to seek out and implement the lowest cost options to reduce emissions. The program, which covers about 450 entities, started in 2013 for electricity generators and large industrial facilities emitting 25,000

metric tons (MT) CO<sub>2</sub>e or more annually. It started in 2015 for distributors of transportation, natural gas, and other fuels. The Cap was set in 2013 at about 2 percent below the emissions level forecast for 2012. It declined about 2 percent in 2014, and will decline about 3 percent annually from 2015 to 2020 (Castle Environmental, 2018).

The proposed Project would produce emissions of GHGs during construction as a result of off-road equipment and on-road vehicle exhaust. The GHG emissions associated with proposed Project construction were calculated by CalEEMod and are presented in Table 3-4.

The proposed Project would also produce indirect emissions of GHGs during operation as a result of pump station electricity consumption. The GHG emissions associated with proposed Project operation are presented in Table 3-5. The emissions were calculated using CalEEMod-supplied emission factors for PG&E, the anticipated utility provider for the pump station.

**Table 3-4**  
**GHG Emissions Associated with Proposed Project Construction**

Activity	Emission Rate (MT/yr) <sup>a</sup>			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e <sup>b</sup>
<b><i>Pipeline Installation</i></b>				
Fugitive Dust	0.0	0.000	0.000	0.0
Off-Road Equipment	108.2	0.034	0.000	109.1
On-Road Vehicles	11.4	0.001	0.000	11.5
<b><i>Subtotal - Pipeline Installation</i></b>	<b><i>119.7</i></b>	<b><i>0.035</i></b>	<b><i>0.000</i></b>	<b><i>120.5</i></b>
<b><i>Trench Resurfacing</i></b>				
Fugitive Dust	0.0	0.000	0.000	0.0
Off-Road Equipment	7.3	0.002	0.000	7.4
On-Road Vehicles	5.7	0.000	0.000	5.7
<b><i>Subtotal - Trench Resurfacing</i></b>	<b><i>13.0</i></b>	<b><i>0.003</i></b>	<b><i>0.000</i></b>	<b><i>13.1</i></b>
<b><i>Pump Station Installation</i></b>				
Fugitive Dust	0.0	0.000	0.000	0.0
Off-Road Equipment	47.5	0.015	0.000	47.9
On-Road Vehicles	2.1	0.000	0.000	2.1
<b><i>Subtotal - Pump Station Installation</i></b>	<b><i>49.6</i></b>	<b><i>0.015</i></b>	<b><i>0.000</i></b>	<b><i>50.0</i></b>
<b>Total Construction Emissions<sup>c</sup></b>	<b>182.3</b>	<b>0.05</b>	<b>0.00</b>	<b>183.6</b>

Notes:

a. Source: Castle Environmental, 2018. MT = metric ton = 1,000 kilograms = 1.1 tons.

b. CO<sub>2</sub>e is carbon dioxide equivalent, calculated using global warming potentials (GWPs) from the 2007 IPCC's Fourth Assessment Report (AR4) and consistent with CalEEMod.2016.3.2. The GWPs for CH<sub>4</sub> and N<sub>2</sub>O are 25 and 298, respectively.

c. Total construction emissions will take place within one rolling 12-month period (approximately 120 working days).

**Table 3-5  
GHG Emissions Associated with Proposed Project Operations**

Source	Emission Rate (MT/yr) <sup>a</sup>			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2e</sub> <sup>b</sup>
Pump Station Electricity Consumption (CEQA)	285.2	0.01	0.003	286.3

Notes:

a. Source: Castle Environmental, 2018. MT = metric ton = 1,000 kilograms = 1.1 tons.

b. CO<sub>2e</sub> is carbon dioxide equivalent, calculated using global warming potentials (GWPs) from the 2007 IPCC's Fourth Assessment Report (AR4) and consistent with CalEEMod.2016.3.2. The GWPs for CH<sub>4</sub> and N<sub>2</sub>O are 25 and 298, respectively

The SJVAPCD developed its significance criteria for GHG impacts (Castle Environmental, 2018). This document states that a Project's individual and cumulative GHG emissions impact would be considered less than significant if the Project complies with an approved GHG emission reduction plan or GHG mitigation program that avoids or substantially reduces GHG emissions within the geographic area in which the Project is located (Castle Environmental, 2018). In a discussion regarding the proposed Project, SJVAPCD staff agreed that the proposed Project would satisfy this criterion because the utility provider, PG&E, participates in the Cap-and-Trade program and therefore complies with the AB 32 Scoping Plan (Castle Environmental, 2018).

Therefore, under CEQA, the proposed Project's impact on GHG emission reduction planning efforts would be less than significant. Moreover, the proposed Project's GHG emissions impact would be less than significant both individually and cumulatively.

The strategies currently being implemented by CARB may help in reducing the Project's GHG emissions and are summarized in Table 3-6, below.

Additionally, the Project will help meet the 2030 Kings County General Plan Air Quality Element Air Quality/Greenhouse Gas policies AQ Policy E1.1.1. through AQ Policy E1.1.4 to promote and sustain ongoing efforts encourage the most efficient use of water and enhance agricultural activities (Kings County, 2010).

CEQA Guidelines §15130 notes that sometimes the only feasible mitigation for cumulative impacts may involve the adoption of ordinances or regulations rather than the imposition of conditions on a project-by-project basis. Global climate change is this type of issue. The causes and effects may not be just regional or statewide, they may also be worldwide. Given the uncertainties in identifying, let alone quantifying the impact of any single project on global warming and climate change, and the efforts made to reduce emissions of GHGs from the Project through design, in accordance with CEQA Section 15130, any further feasible emissions reductions would be accomplished through CARB regulations adopted pursuant to AB32. The majority of operational GHG emission increases associated with this Project result indirectly from electrical usage (99.5%) delivered from a supplier subject to the Cap-and-Trade regulation. Therefore, consistent with SJVAPCD Policies APR 2005 and APR 2025, the GHG emissions increases associated with this Project would have a less than significant individual and cumulative impact on global climate change.

**Table 3-6  
CARB Strategies**

<b>Strategy</b>	<b>Description of Strategy</b>
Vehicle Climate Change Standards	AB 1493 (Pavley) required the state to develop and adopt regulations that achieve the maximum feasible and cost-effective reduction of climate change emissions emitted by passenger vehicles and light duty trucks. Regulations were adopted by CARB in Sept. 2004.
Diesel Anti-Idling	In July 2004, CARB adopted a measure to limit diesel-fueled retail motor vehicle idling.
Other Light-Duty Vehicle Technology	New standards would be adopted to phase in beginning in the 2017 model year.
Alternative Fuels: Biodiesel Blends	CARB would develop regulations to require the use of 1% to 4% Biodiesel displacement of California diesel fuel.
Alternative Fuels: Ethanol	Increased use of ethanol fuel.
Heavy-Duty Vehicle Emission Reduction Measures	Increased efficiency in the design of heavy-duty vehicles and an educational program for the heavy-duty vehicle sector.

**MITIGATION MEASURES**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
<b>3.4.8 - HAZARDS AND HAZARDOUS MATERIALS</b>				
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



**Discussion****Impact #3.4.8a – Would the Project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?**

Project construction-related activities may involve the use and transport of hazardous materials. These materials may include fuels, oils, mechanical fluids, and other chemicals used during construction-related activities. As such, these materials are not anticipated to expose human health or the environment to undue risks associated with their use and no significant impacts will occur during construction activities.

Transportation, storage, use, and disposal of hazardous materials during construction activities will be required to comply with applicable federal, State, and local statutes and regulations. Transportation of hazardous materials is regulated by Department of Transportation and Caltrans. Together, federal and State agencies determine driver-training requirements, load labeling procedures, and container specifications designed to minimize the risk of accidental release. In addition, Cal/OSHA is responsible for developing and enforcing workplace safety standards, including the handling and use of hazardous materials. Compliance of applicable federal, State and local regulations would reduce impacts during temporary construction activities to less than significant levels.

Once operational, the Project would not require the transport or disposal of hazardous materials.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.8b – Would the Project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?**

Kings County Department of Environmental Health Services is the Certified Unified Program Agency (CUPA) for the County. The CUPA unifies and consolidates the various requirements for businesses handling hazardous materials, generating or treating hazardous wastes, or operating aboveground or underground storage tanks, under one roof.

Construction and operational activities will also be required to comply with the California fire code to reduce the risk of potential fire hazards. All Project plans would comply with State and local codes and regulation. The Kings County and/or the City of Lemoore Fire Departments will be responsible for enforcing provisions of the fire code.

The proposed Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment and would therefore result in a less-than-significant impact.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.8c – Would the Project emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

The Project site is not located within a one-quarter mile of an existing school, as Akers Elementary School lies approximately 0.33 miles from the site. As previously discussed, all hazardous materials would be properly handled in accordance with applicable regulations. The proposed project would not emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. Therefore, there would be no impact

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.8d – Would Project Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

An on-line search was conducted on March 5, 2018, of the California Environmental Protection Agency (CAL EPA) website for Cortese Act locations on or near the project site (Cal EPA, n.d.). The Department of Toxic Substances Control (DTSC) website indicated that there are no hazardous or toxic sites in the vicinity (within one mile) of the project site (Department of Toxic Substances Control, 2015). The State Water Resources Control Board GeoTracker indicated that there are no Permitted Underground Storage Tanks, Leaking Underground Storage Tanks, or any other cleanup sites on or in the vicinity (within one mile) of the project site (California Water Resources Board, n.d.). The project is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and would not create a significant hazard to the public or the

environment. The project site is not within the immediate vicinity of a hazardous materials site and would not impact a listed site. Therefore, there would be no impact.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**MITIGATION MEASURE(S)**

No mitigation is required.

**Impact #3.4.8e – For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, result in a safety hazard for people residing or working in the project area?**

The Project site is not located within the Kings County Airport Land Use Compatibility Plan (ALUCP) (County of Kings, 1994), is not within two miles of a public airport or public use airport and would not result in a safety hazard for people residing or working in the project area. The public airports covered under the ALUCP are the Hanford Municipal Airport, located approximately 13 miles northeast of the site and the Corcoran Airport, which is located approximately 21 miles southeast of the project. Therefore, there would be no impact.

The Project is located within the Naval Air Station Lemoore's (NASL) Joint Land Use Plan (JLUP) area (Naval Air Station Lemoore, 2011). The JLUP ensures that land use within the NAS Plan boundaries are compatible and do not conflict with ongoing military operation to protect public safety. The Project is outside the identified Accident Potential Zone I and Zone II (see JLUP Figure 2-4, page 2-7), and does not propose to construct any tall structures or install any equipment that might pose a threat to military flights or operations. As such, the Project would be a compatible use with the JLUP and would not constitute a safety hazard for people residing in the area nor military personnel.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.8f – For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?**

The Project is not located near a private airstrip. The nearest private air strips to the Project site are Jones Farms Airport and Stone Airstrip, located approximately four miles southeast and four miles northeast, respectively.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**MITIGATION MEASURE(S)**

No mitigation is required.

**Impact #3.4.8g –Would the Project impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?**

Kings County has in place an emergency plan to cope with natural disasters that are statewide or happen locally. The County Fire Department and locally stationed California Department of Forestry (CDF) are well prepared to fight fires locally as well as statewide.

According to the Evacuation Routes identified within the Health and Safety Element of the 2035 Kings County General Plan (Figure HS-20, page HS-33), the proposed project is not located along a State Highway or designated arterial, which is used as an emergency evacuation route. The nearest designated primary evacuation route is SR 41, located approximately 3.5 mile east of the Project site. The proposed pipeline route runs near secondary emergency route SR 198.

The proposed Project does not involve a change to any emergency response plan. Access to the site is via Jackson Avenue. The pump station will be located just north of Jackson Avenue and south of SR 198. Construction of the proposed Project would not create an obstruction to surrounding roadways or other access routes used by emergency response units. The proposed project would not impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan. Therefore, no impact would occur.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.8h – Would the Project Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?**

The proposed Project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands. The Project site is located in an area identified by the 2035 Kings County General Plan Health and Safety Element (see Figure HS-9), as within 2400 m of a high or moderate threat (County of Kings,

2010), and is located within a Local Responsibility Area (LRA) and classified as being LRA unzoned (Cal Fire, 2012). Therefore, there would be no impact.

***MITIGATION MEASURE(S)***

No mitigation is required.

***LEVEL OF SIGNIFICANCE***

There would be *no impact*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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### 3.4.9 - HYDROLOGY AND WATER QUALITY

Would the project:

- |    |   |                          |                                     |                                     |                                     |
|----|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. | Violate any water quality standards or waste discharge requirements?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| b. | Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)? | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c. | Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on site or off site?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| d. | Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on site or off site?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| e. | Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| f. | Otherwise substantially degrade water quality?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| g. | Place housing within a 100-year flood hazard area as mapped on a federal flood hazard boundary or flood insurance rate map or other flood hazard delineation map?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| h. | Place within a 100-year flood hazard area structures that would impede or redirect flood flows?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

- |    |  |                          |                          |                                     |                                     |
|----|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| i. | Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| j. | Contribute to inundation by seiche, tsunami, or mudflow?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

### **Discussion**

#### **Impact #3.4.9a – Would the Project violate any water quality standards or waste discharge requirements?**

Project construction would cause ground disturbance that could result in soil erosion or siltation and subsequent water quality degradation offsite, which is a potentially significant impact. Construction-related activities would also involve the use of materials such as vehicle fuels, lubricating fluids, solvents, and other materials that could result in polluted runoff, which is also a potentially significant impact. However, the potential consequences of any spill or release of these types of materials are generally small due to the localized, short-term nature of such releases during construction. The volume of any spills would likely be relatively small because the volume in any single vehicle or container would generally be anticipated to be less than 50 gallons.

As required by the State Water Resources Control Board's (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit (No. 2012-0006-DWQ) for stormwater discharges associated with construction and land disturbance activities of linear, underground projects, a Linear Underground Project Stormwater Pollution Prevention Plan (LUP SWPPP) that specifies best management practices (BMPs) to prevent construction pollutants from contacting stormwater, with the intent of keeping all products of erosion from moving offsite must be developed and implemented. The project proponent is required to comply with the Construction General Permit because project-related construction activities result in soil disturbances of least one acre of total land area. MM HYD-1 below requires the preparation and implementation of a LUP SWPPP to comply with the Construction General Permit requirements.

Once constructed, the Project would assist in prevention of violation of any water quality standards or waste discharge requirements by providing treated wastewater access to a Regional Water Quality Control Board-approved recycled water agricultural irrigation reuse area.

With implementation of MM HYD-1, the project would not violate any water quality standards or waste discharge requirements (WDRs) during the construction period, and impacts would be less than significant.

**MITIGATION MEASURE(S)**

**MM HYD-1:** Prior to ground-disturbing activities, the project proponent shall prepare and implement a Linear Underground Project Stormwater Pollution Prevention Plan (LUP SWPPP) that specifies best management practices, with the intent of keeping all products of erosion from moving offsite. Additionally, the LUP SWPPP shall contain a visual monitoring program and a chemical monitoring program for non-visible pollutants to be implemented (if there is a failure of best management practices). The requirements of the SWPPP shall be incorporated into design specifications and construction contracts. Recommended best management practices for the construction phase may include the following:

- Stockpiling and disposing of demolition debris, concrete, and soil properly;
- Implementing erosion controls;
- Properly managing construction materials; and
- Managing waste, aggressively controlling litter, and implementing sediment controls.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.9b – Would the Project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)?**

The Tulare Lake Subbasin underlies the project site and it is estimated that 17 million acre-feet of groundwater is found within this Subbasin to a depth of 300 feet below ground surface (Department of Water Resources, 2003). This subbasin as identified as being critically overdrafted and subject to Sustainable Groundwater Management Act (SGMA) requirements and the newly formed Groundwater Sustainability Agencies. SGMA consists of three legislative bills and the legislation provides a framework for a long-term sustainable groundwater management across California. Local stakeholders have until 2020 to develop, prepare, and begin to implement the plan. GSAs will then have the responsibility to achieve groundwater sustainability. However, at this time, no additional requirements or implementation measures are applicable since a GSP has not been adopted within the subbasin.

During construction, a minimal amount of water will be used to control fugitive dust. Once operational, the Project would reduce the ongoing depletion of the groundwater resource by supplementing well water usage with recycled water to irrigate cultivated farmland. The project's construction would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level. When implemented, the Project will provide a beneficial use of recycled water, which could potentially allow for the increase of the groundwater water table. Impacts would be less than significant



**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.9c – Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on site or off site?**

As noted previously, the pipelines will cross several existing irrigation drainages or canals. As proposed, the pipeline will be installed under the drainages, however impacts are limited to four ditches that occur on the Project site, totaling 1.137 acres.

Implementation of MM BIO-9 would require a delineation of the bed and bank of the drainages prior to commencement of pipeline construction. Applications for the appropriate permits would be obtained prior to any construction activities. Implementation of MM BIO-9 would reduce impacts including the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on- or offsite to less than significant

**MITIGATION MEASURE(S)**

Implementation of MM BIO-9.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.9d – Would the Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on site or off site?**

Please see Response (c) above.

**MITIGATION MEASURE(S)**

Implementation of MM BIO-9.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.9e – Would the Project create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?**

Please see response (a) above. Therefore, the project would not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. With implementation of MM HYD-1, impacts would be less than significant.

**MITIGATION MEASURE(S)**

Implementation of MM HYD-1.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.9f - Otherwise substantially degrade water quality?**

The Project will improve rather than degrade water quality. As noted in Response (a) above, the Project would not otherwise substantially degrade water quality. With implementation of MM HYD-1, impacts would be less than significant.

**MITIGATION MEASURE(S)**

Implementation of MM HYD-1.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.9g – Would the Project place housing within a 100-year flood hazard area as mapped on a federal flood hazard boundary or flood insurance rate map or other flood hazard delineation map?**

Almost all of the Project is situated within a Federal Emergency Management Agency (FEMA) area of minimal flood hazard (Figure 3-2). Small sections in the extreme north and south ends of the Project fall within FEMA areas of 0.2% and 1% annual chance of flood hazard. However, the pipeline will be placed underground and would not impede or affect floodwaters.

The Project does not include the placement within a 100-year flood hazard area of either housing or structures which would impede required flood flows. It does not expose any people or structures to a significant loss, injury or death as a result of a failure of a levee or dam; it involves no resident workers who would require such housing.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.9h – Would the Project place within a 100-year flood hazard area structures that would impede or redirect flood flows?**

See response to Impact (g) above. The only proposed structure is a small, 100 feet by 100 feet pump station housing enclosure located approximately 400 feet west of the Kings River flood flow channel and outside of the 100-year flood hazard zone.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**MITIGATION MEASURE(S)**

No mitigation is required.

**Impact #3.4.9i – Would the Project expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?**

According to the *2035 Kings County General Plan Health and Safety Element Flood Hazards Area map* (Figure HS-7, page HS-16), the Project site is located just outside the Pine Flat Dam inundation zone (Kings County, 2010). If Pine Flat Dam failed while at full capacity, floodwaters would arrive in Kings County within approximately five hours (Kings County, 2010). This would give any employee who happened to be on site ample time to reach an area away from the inundation zone. The pumphouse structure could be easily repaired and would not pose a significant risk. Therefore, the project would not expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding because of the failure of a levee or dam. Impacts would be less than significant.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.9j – Would the Project contribute to inundation by seiche, tsunami, or mudflow?**

The project site is not located near the ocean or a steep topographic feature (i.e., mountain, hill, bluff, etc.). Therefore, there is no potential for the site to be inundated by tsunami or mudflow. Additionally, there is no body of water within the vicinity of the project site. There is no potential for inundation of the project site by seiche<sup>1</sup>.

Therefore, the project would not contribute to inundation by seiche, tsunami, or mudflow. There would be no impact.

**MITIGATION MEASURE(S)**

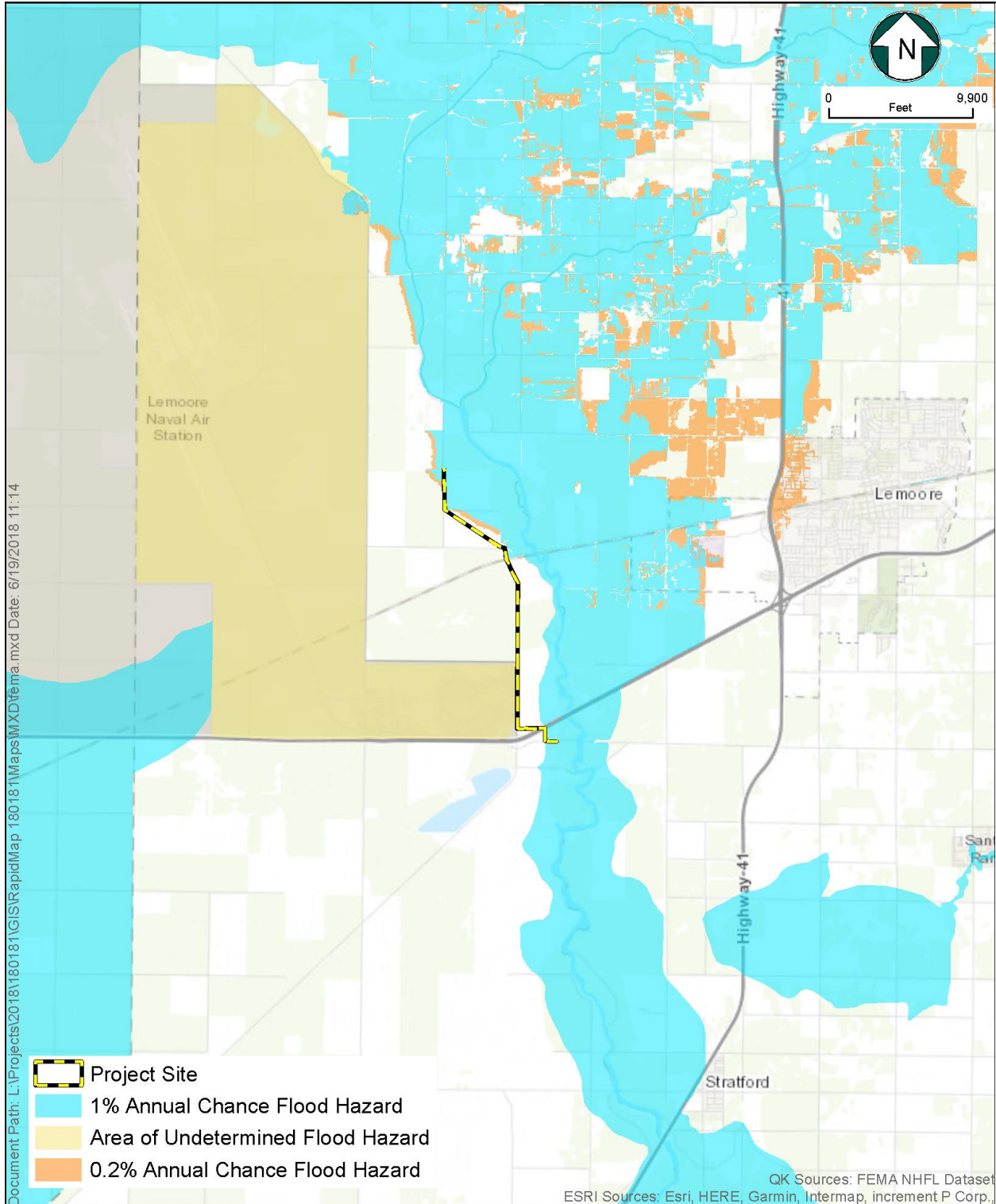
No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

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<sup>1</sup> A seiche is a standing wave in an enclosed or partially enclosed body of water that is often generated due to a significant seismic event.



**Figure 3-2**  
**FEMA Flood Zones**

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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**3.4.10 - LAND USE AND PLANNING**

Would the project:

- |    |   |                          |                          |                                     |                                     |
|----|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a. | Physically divide an established community?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b. | Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal Program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c. | Conflict with any applicable habitat conservation plan or natural community conservation plan?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Discussion**

**Impact #3.4.10a – Would the Project physically divide an established community?**

The project is in a rural area with predominately cultivated fields and other agriculturally related operations. There is a small community that houses NAS- Lemoore personnel to the west of the Project.

The Project proposed to construct and operate a water pipeline and pumping station on a small portion of undeveloped land; pipelines would be constructed within existing road rights of way or on private property. The Project does not include the construction of roads or any other physical barrier that would divide a community. The Project would not result in any surrounding land use change; therefore, there would be no impact.

**MITIGATION MEASURE(S)**

No mitigation is required

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.10b – Would the Project Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?**

The Project site has a General Plan land use designation of General Agriculture (AG20) and is zoned General Agriculture-20 District (AG20) According to Section 407. Land Use Regulations- Table 4-1 of the Kings County Development Code, irrigation, flood control and drainage facilities, groundwater evaporation ponds are permitted within the AG-20 (General Agriculture-20) Zone District. Therefore, the facility would be consistent with applicable land use policies and regulations and impacts would be less than significant. The proposed Project would not conflict with an applicable land use plan, policy, or regulation of Kings County.

However, the Project property owner has a private conservation agreement with the US Department of Agricultural National Resources Conservation Service (NRCS) to protect agricultural soils on a portion of the Project area (Figure 3-3). The agreement may require modification in order to accommodate the proposed Project, which would allow for a pipeline and pumping station to bring recycled water for irrigation and recharge purposes. As proposed, the Project is consistent with NRCS goals to protect and enhance agricultural operations, reduce soil erosion, enhance water supplies and water quality, and while supporting crop production (US Department of Agriculture, 2018).

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.10c – Would the Project Conflict with any applicable habitat conservation plan or natural community conservation plan?**

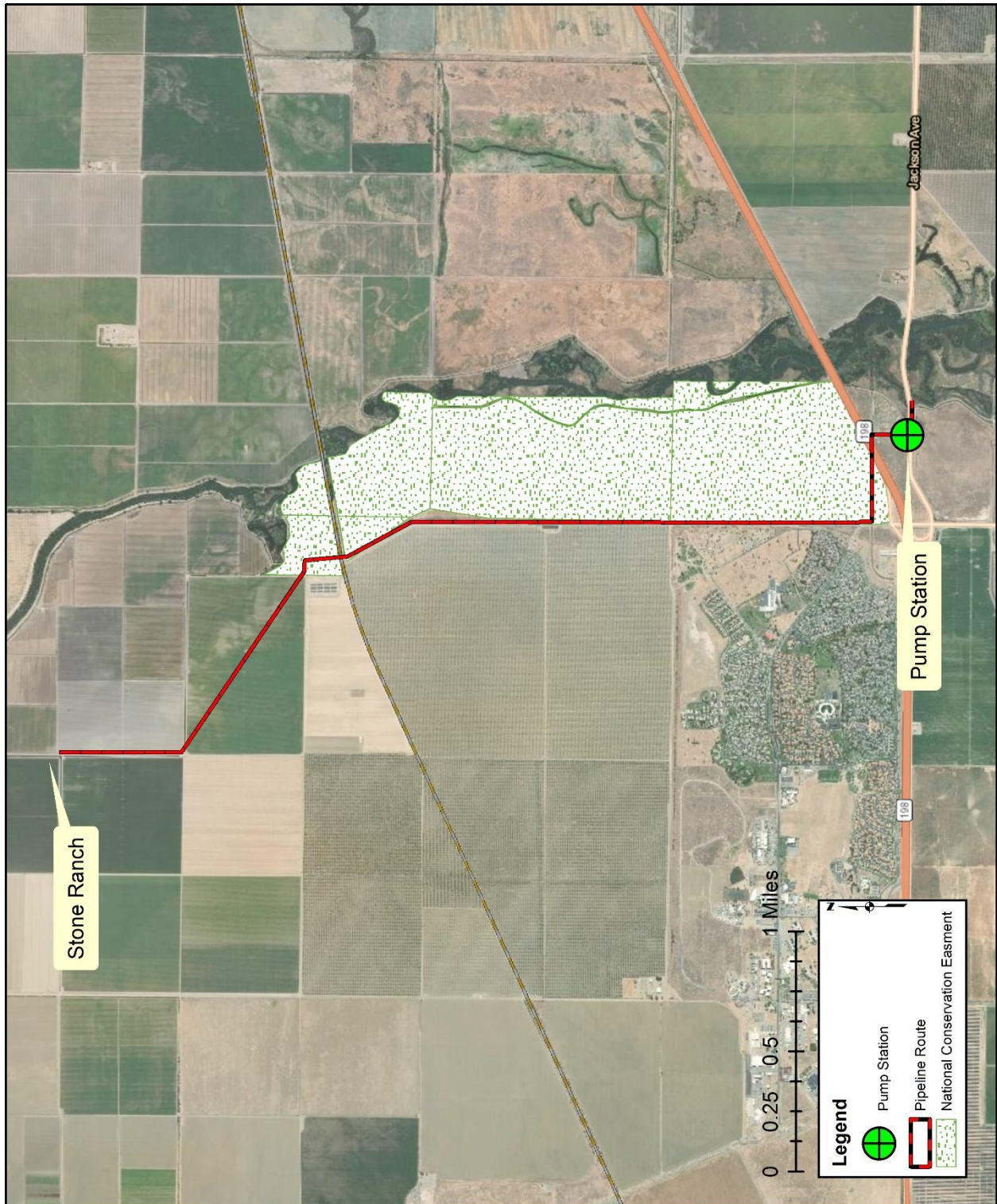
The Project site is not within the boundaries of an adopted habitat or natural community conservation plan. Therefore, there would be no impact.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.



**Figure 3-3**  
**NRCS Conservation Agreement – Project Pipeline Relationship**



	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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**3.4.11 - MINERAL RESOURCES**

Would the project:

- |    |   |                          |                          |                          |                                     |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a. | Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. | Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Discussion**

**Impact #3.4.11a – Would the Project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?**

Neither the project site nor the surrounding area is designated as a Mineral Resources Zone by the State Mining and Geology Board (SMGB), the 2035 Kings County General Plan, nor is it currently being utilized for mineral extraction. The project is associated with existing agricultural purposes and the project design does not include mineral extraction. The project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state and would therefore have no impact.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.11b – Would the Project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?**

The 2035 Kings County General Plan states that few commercial mining and mineral extraction activities occur in the county and currently, only limited excavation of soil, sand and some gravel is used for commercial purposes (Kings County, 2010). Additionally, the general plan does not designate the site for mineral and petroleum resources activities. The

project site and surrounding lands are zoned for agriculture uses. No mining occurs in the project area or in the nearby vicinity and there are no anticipated mineral extraction activities to be conducted in the future as a result of the project. The project would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan and would therefore have no impact.

***MITIGATION MEASURE(S)***

No mitigation is required.

***LEVEL OF SIGNIFICANCE***

There would be *no impact*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
<b>3.4.12 - NOISE</b>				
Would the project result in:				
a. Exposure of persons to, or generate, noise levels in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Exposure of persons to or generate excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. For a project located within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Discussion

#### Impact #3.4.12a – Would the Project result in exposure of persons to, or generate, noise levels in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies?

Few sensitive land uses are present within the surrounding project area. Land uses deemed sensitive by the State of California include schools, hospitals, rest homes, and long-term care and mental care facilities, which are considered to be more sensitive to ambient noise levels than others. The nearest residential land uses include houses located approximately 150 feet west from the pipeline route and 900 feet west of the pump station. The Project site is near established farmland and agriculturally related businesses, as well as military operations

from nearby NAS- Lemoore. The noise generated by these uses are considered baseline. The surrounding residential developments are most likely utilized by military personnel, who are accustomed to agricultural and military-related noise generated in the area.

The Project will involve short term construction noise associated with pipeline trenching and installation, trench compaction and gravel-surface replacement over the trench. Such noise emanation will be of relatively brief duration.

Construction equipment may create noise levels in the order of 90 dBA at 50 feet; resulting noise levels would be significantly less at the affected residences (all of which endure 70 dBA ground-level jet noise). The cumulative period of construction noise exposure for such residences during pipeline trenching, trench compaction, and surfacing replacement will be four or five days.

Once operational, the Project noise generated would include sporadic maintenance vehicles and the operation of the stationary pump motors within the pump station structure. Operation of pipelines would not result in any discernible noise.

The 2035 Kings County General Plan identifies that there are numerous active agricultural uses within the County protected by the County's Right-to-Farm Ordinance, which recognizes that "...agricultural activities and operations, including, but not limited to, equipment and animal noise...are conducted on a 24-hour a day, seven days a week basis..." in agricultural areas of the County (Kings County, 2010). The General Plan concludes that normal and usual agricultural operation creating elevated sound levels are not normally considered a nuisance. However, the Noise Element of the General Plan focuses on two goals to control fixed-source noise issues. These goals are to prevent the introduction of new noise-producing uses in noise-sensitive areas, and to prevent encroachment of noise-sensitive uses upon existing noise-producing facilities. Table N-8 of the Noise Element provides non-transportation noise standards.

This generated noise is consistent with the County's General Plan Noise Element and Right-to-Farm Ordinance. Operation of the facility would not generate noise levels above the existing levels in the project area as minimal equipment would be utilized and the project is within an area of similar and compatible agricultural uses.

There are no specific construction noise measures established by Kings County. However, the construction of the proposed project would be temporary and would generally occur between 7:00 a.m. to 6:00 p.m., five (5) days a week for approximately four to five months. Additional hours may be necessary to make up schedule deficiencies, or to complete critical construction activities. Construction of the proposed expansion will mostly consist of site preparation, site excavation, grading, and installation of the pump station. Pipeline installation will require trenching and compaction activities. No demolition or pile-driving will occur during the construction phase of the Project.

Given the existing agricultural nature of surrounding facility operations, noise levels are not anticipated to increase beyond a perceptible level by sensitive receptors. Therefore, these

increases in ambient noise are considered less than significant and consistent with applicable standards.

#### **MITIGATION MEASURE(S)**

No mitigation is required.

#### **LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

#### **Impact #3.4.12b – Would the Project result in exposure of persons to or generate excessive groundborne vibration or groundborne noise levels?**

The proposed project is expected to create temporary ground-borne vibration as a result of the construction activities (during site preparation and grading). According to the U.S. Department of Transportation, Federal Railroad Administration, vibration is sound radiated through the ground. The rumbling sound caused by the vibration is called ground-borne noise. The ground motion caused by vibration is measured as particle velocity in inches per second and is referenced as vibration decibels (VdB). The background vibration velocity level in residential areas is usually around 50 VdB. A list of typical vibration-generating equipment is shown in Table 3-7.

**Table 3-7**  
**Different Levels of Ground-borne Vibration**

<b>Vibration Velocity Level</b>	<b>Equipment Type</b>
104 VdB	Pile Driver (impact), typical
93 VdB	Pile Driver (sonic), typical
94 VdB	Vibratory roller
87 VdB	Large bulldozer
87 VdB	Caisson drilling
86 VdB	Loaded trucks
79 VdB	Jackhammer
58 VdB	Small bulldozer

Source: (Federal Transit Administration , 2006)

Note: 25 feet from the corresponding equipment.

The vibration velocity level threshold of perception for humans is approximately 65 VdB. A vibration velocity level of 75 VdB is the approximately dividing line between barely perceptible and distinctly perceptible levels for many people.

Typical outdoor sources of perceptible ground-borne vibration are construction equipment and traffic on rough roads. For example, if a roadway is smooth, the ground-borne vibration from traffic is rarely perceptible.

Typically, ground-borne vibration generated by construction activity attenuates rapidly with distance from the source of the vibration. Therefore, vibration issues are generally confined to distances of less than 500 feet (U.S. Department of Transportation, 2005). Residences are located within 150 feet of the proposed Project pipeline and approximately 900 feet from the pump station site. Potential sources of temporary vibration during construction of the proposed project would be minimal and would include transportation of equipment to the site, and operation of equipment during short term construction of the pump station and pipeline.

Construction activity would include various site preparation, grading, in fabrication, and site cleanup work. Construction would not involve the use of equipment that would cause high ground-borne vibration levels such as pile-driving or blasting. Once constructed, the proposed Project would not have any components that would generate high vibration levels. Thus, construction and operation of the proposed Project would not result in any vibration and impacts would be less than significant.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.12c – Would the Project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?**

As discussed in Impact #3.4.12(a) above, operation of the facility would not generate permanent ambient noise levels above the existing levels in the project area as minimal equipment would be utilized and the project is within an area of similar and compatible agricultural uses. Therefore, the impact would be less than significant.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.12d – Would the Project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?**

Please see Response (a), above.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*

**Impact #3.4.12e – Would the Project result in for a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?**

The Project site is not located within the Kings County Airport Land Use Compatibility Plan (ALUCP) (County of Kings, 1994), is not within two miles of a public airport or public use airport and would not result in a safety hazard for people residing or working in the project area. The public airports covered under the ALUCP are the Hanford Municipal Airport, located approximately 13 miles northeast of the site and the Corcoran Airport, which is located approximately 21 miles southeast of the project. Therefore, there would be no impact.

The Project is located within the Naval Air Station Lemoore's (NASL) Joint Land Use Plan (JLUP) area (Naval Air Station Lemoore, 2011). The JLUP ensures that land use within the NAS Plan boundaries are compatible and do not conflict with ongoing military operation to protect public safety. The Project is outside the identified Accident Potential Zone I and Zone II (see JLUP Figure 2-4, page 2-7), and does not propose to construct any tall structures or install any equipment that might pose a threat to military flights or operations. As such, the Project would be a compatible use with the JLUP and would not constitute a safety hazard for people residing in the area nor military personnel.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.12f – Would the Project result in for a project located within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?**

The Project is not located near a private airstrip. The nearest private air strips to the Project site are Jones Farms Airport and Stone Airstrip, located approximately four miles southeast and four miles northeast, respectively.

***MITIGATION MEASURE(S)***

No mitigation is required.

***LEVEL OF SIGNIFICANCE***

There would be *no impact*.



	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less- than Significant Impact	No Impact
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**3.4.13 - POPULATION AND HOUSING**

Would the project:

a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**Impact #3.4.13a – Would the Project induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

Construction of the Project is on existing roadways, private farmland and a small undeveloped portion of property. No demolition of existing structures is required. Construction will be of short duration, and existing local construction staff will be utilized to the extent possible.

During operation, the proposed Project requires no permanent on-site staff. Operations will be monitored remotely, and existing maintenance staff would be dispatched to the site on an as-needed basis during operation. No increase in on-site employees is required for the proposed expansion. The project would not induce substantial population growth in the area, either directly or indirectly and would therefore result in a less than significant impact.

**MITIGATION MEASURE(S)**

No mitigation is required

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.13b – Would the Project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?**

As discussed above, operations and maintenance would be conducted on an as-need basis by existing staff. The project will not require demolition of housing or encourage population growth. The proposed project would not displace substantial numbers of existing housing and would therefore result in no impact.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**MITIGATION MEASURE(S)**

No mitigation is required.

**Impact #3.4.13c – Would the Project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?**

Please see Responses #3.4.13 (a) and (b), above.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**MITIGATION MEASURE(S)**

No mitigation is required.

	<b>Potentially Significant Impact</b>	<b>Less than Significant with Mitigation Incorporated</b>	<b>Less-than- Significant Impact</b>	<b>No Impact</b>
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**3.4.14 - PUBLIC SERVICES**

Would the project:

a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services:

i.	Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii.	Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii.	Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv.	Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
v.	Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**Impact #3.4.14a(i), (ii), (iii), (iv), (v) – Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or to other performance objectives for any of the public services?**

The Project’s construction is of short term duration (approximately 3 to 4 months). Construction and operation of the proposed Project would not be expected to result in an increase in demand of fire or police protection services leading to the construction of new or physically altered facilities.

The proposed Project would not increase the number of residents in the County, since the project does not include residential units and construction staff will come from the area. Therefore, the Project would have no impact on existing parks or other public facilities.

***MITIGATION MEASURE(S)***

No mitigation is required.

***LEVEL OF SIGNIFICANCE***

There would be *no impact*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
<b>3.4.15 - RECREATION</b>				
Would the project:				
a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**Impact #3.4.15a – Would the Project Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

The Project’s construction is of short duration (approximately 3 to 4 months), and it is anticipated that construction workers will come from the existing workforce in the area. Thus, it would not generate an additional need for new recreation facilities; construction workers would not move or resettle for a project of this limited length. Project operation will require no new personnel.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.15b – Would the Project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment: Please see response to Impact #3.4.15a.**

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

***MITIGATION MEASURE(S)***

No mitigation is required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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### 3.4.16 - TRANSPORTATION AND TRAFFIC

Would the project:

- |    |  |                          |                          |                                     |                                     |
|----|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a. | Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b. | Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c. | Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d. | Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e. | Result in inadequate emergency access?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| f. | Conflict with adopted policies, plans, or Programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

### Discussion

Impact #3.4.16a – Would the Project conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking

into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

The proposed project is located in a rural, sparsely populated area that does not have high traffic volume. As proposed, the Project does not include the construction of new intersections, streets, highways and freeways, pedestrian and bicycle paths, or mass transit, nor would the project impact or degrade the existing transit infrastructure of the area.

Construction of the proposed Project is temporary and would take approximately 3-4 months to complete and would typically be scheduled between 7 a.m. and 6 p.m., Monday through Friday. The workforce required for construction is expected to be drawn from local or regional labor pools. It is assumed that the average construction workforce would be between approximately 10 to 12 persons, that averages about 5-6 ADT.

It is also anticipated there will be parts, materials and equipment delivered to the job site throughout construction, made by large heavy-haul transport trucks during the workdays. There is assumed to be one to two trucks per day during the peak construction period.

Once operational, there will be no permanent staff at the facility. Routine maintenance and operations activities will be conducted by one staffperson who will make sporadic visits to the pump station to maintain equipment.

The Circulation Element of the 2035 Kings County General Plan designates a peak-hour Level of Service (LOS) of "D" as the threshold for acceptable traffic operations for the Kings County road network (Kings County, 2010). The Project site would be accessed from SR 198 at Jackson Highway. Construction and operational traffic would use Jackson Highway, a minor arterial, and the majority of traffic to the site would use SR 198 and SR 41. According to the Circulation Element Figure C6, SR 198 Jackson Highway has a daily volume of 7,700 vehicles and SR 198 has an ADT of 18,500.

The minimal increase of 7-11 daily trips anticipated by the proposed Project during construction and the infrequent employees trips for maintenance of the pump equipment would not interrupt the flow of traffic or degrade the existing LOS condition.

The proposed Project would not conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system. The proposed project is consistent with the Kings County General Plan Circulation Element (County of Kings, 2010) and Kings County Regional Transportation Plan (LSC, 2015); therefore, the proposed project would have a less-than-significant impact.

**MITIGATION MEASURE(S)**

No mitigation is required.



**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*

**Impact #3.4.16b – Would the Project conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?**

As discussed in Response 3.4.16 (a), the proposed Project would not result in degrading the current LOS condition. There would be a slight increase in ADT during short-term construction and a negligible increase in ADT for operations activities. This increase is considered nominal as it would not result in a lower LOS for the surrounding roadway system. The proposed Project would not conflict with an applicable congestion management program or other standards established by the county congestion management agency for designated roads or highways. Therefore, the impact would be less than significant.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*

**Impact #3.4.16c – Would the Project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?**

According to the Circulation Element of the 2035 General Plan, the proposed Project is not within the vicinity of any private or public airport and would therefore not result in a change in air traffic patterns (Kings County, 2010). Therefore, there would be no impact.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.16d – Would the Project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

The Project would utilize existing roadways and no new roads are being proposed as part of the project design. Therefore, the Project would not substantially increase hazards due to a design feature or incompatible uses and would have no impact. Please see also Response #3.4.16 (a), above.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.16e – Would the Project result in inadequate emergency access?**

Construction and operation of the proposed project would not interfere with emergency access for emergency vehicles or nearby uses as all activities would be conducted on the site and would not interfere with the adjacent street traffic. The Project's design and construction contract specifications will incorporate all essential provision for construction timing and controls to minimize to less than significant any potential impacts on traffic usage of Jackson Highway, and traffic access from State Route 198 and the 198/Avenal cutoff interchange to the Naval Air Station Lemoore east entrance, including pipeline location east of the travel lanes and work hour/work term limitations and pipeline directional boring under Jackson Avenue and State Route 198.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project would have a *less than significant impact*.

**Impact #3.4.16f – Would the Project Conflict with adopted policies, plans, or Programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?**

No new facilities are proposed that would increase hazards or create barriers for transit systems, pedestrians or bicyclists. The Project site is located in a rural, agricultural area in Kings County, which does not contain active transportation facilities nor is it located adjacent to more urbanized areas that would promote active transportation. The Project would not conflict with adopted policies, plans, or Programs regarding existing or planned public transit, bicycle, or pedestrian facilities, including the Circulation Element of the 2035 Kings County General Plan (Kings County, 2010), the 2011 Kings County Regional Bicycle Plan (KCAG, 2011), or the 2015 Kings County Transit Development Plan (LSC, 2015), or otherwise decrease the performance or safety of such facilities. As such, the Kings County General Plan does not include any planned or future public transit or non-motorized transportation facilities along the streets adjacent to the project area. Therefore, there would be no impact.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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**3.4.17 - TRIBAL CULTURAL RESOURCES**

Would the project:

a. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

- |  |                          |                                     |                          |                          |
|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**Discussion**

**Impact #3.4.17a(i) – Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?**

Please see response to Impact #3.4.5(a). above. The lead agency has not yet received a response from a tribal group requesting notice regarding City projects or indicated that the

Project would impact tribal cultural resources. With implementation of Mitigation Measures MM CUL-1 and MM CUL-3, the project would not cause a substantial adverse change in the significance of a tribal cultural resource that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources.

**MITIGATION MEASURE(S)**

Implementation of MM CUL-1 through MM CUL-3.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.14.17a(ii) - Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?**

Please see response to Impact #3.4.5(a) above. With implementation of Mitigation Measures MM CUL-1 and MM CUL-3, the project would not cause a substantial adverse change in the significance of a tribal cultural resource that is a resource determined by the Lead Agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.

**MITIGATION MEASURE(S)**

Implementation of MM CUL-1 through MM CUL-3.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
<b>3.4.18 - UTILITIES AND SERVICE SYSTEMS</b>				
Would the project:				
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or would new or expanded entitlements be needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### **Discussion**

#### **Impact #3.4.18a – Would the Project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?**

The Project proposes a new treated wastewater conveyance facility that will permit Leprino Foods and the City of Lemoore to maintain continued compliance with Regional Water

Quality Control Board requirements. See also Impact #3.4.9-*Hydrology and Water Quality* for a discussion of wastewater disposal and compliance with RWQCB requirements. The Project would not necessitate the RWQCB to expand their facilities and would not exceed wastewater treatment requirements of the applicable RWQCB.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.18b – Would the Project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects:**

The Project will not require the construction of new water or wastewater treatment facilities. The Project will require up to 10 employees during temporary construction-related activities, and no permanent onsite employees will be required during day-to-day operations.

During construction, temporary, portable toilet facilities will be provided for construction-workers and disposed of at an approved site in compliance with Kings County Environmental Health Department policies. The applicant will contract with a local service provider to dispose of the wastewater at an approved wastewater treatment plant. It is estimated that there would be one portable toilet with a 50-gallon tank at the project site during construction-related activities. Please see also Response #3.4.18 (a).

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SERVICE**

The Project impacts would be *less than significant*.

**Impact #3.4.18c – Would the Project require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

The increase in onsite stormwater runoff from the proposed Project will be minimal and is the result of a small increase in impervious surfaces from the pump station. The pipeline will be unpaved and therefore allows for water to percolate back into the ground.

The site engineering and design plans for the proposed Project would be required to implement BMPs, comply with applicable local regulations, development standards and

compliance with the NPDES General Permit. Implementation of MM HYD-1 would reduce impacts on to less than significant.

**MITIGATION MEASURE(S)**

Implementation of MM HYD-1.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant within mitigation incorporated*.

**Impact #3.4.18d – Would the Project have sufficient water supplies available to serve the project from existing entitlements and resources, or would new or expanded entitlements be needed?**

The Project will use minimal water during construction for dust control. Once operational, the Project would reduce existing demand for groundwater pumping by augmenting with recycled water for the irrigation of fodder crops.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

There would be *no impact*.

**Impact #3.4.18e – Would the Project result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?**

Construction of the project would generate a minimal volume of wastewater. During construction activity, wastewater would be contained within portable toilet facilities and disposed of at an approved disposal site. The Kings County Environmental Health Department is responsible for monitoring the use of portable toilet facilities, and a condition of approval would require the project proponent to provide documentation of a portable toilet pumping contract. No offsite sewage or disposal connections to a municipal sewer system exist or are proposed, and impacts would be less than significant.

The proposed project does not include the construction of a septic system. Once operational no permanent staff will be on site. The proposed project impacts would be considered less than significant.

**MITIGATION MEASURE(S)**

No mitigation is required.



**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*

**Impact #3.4.18f – Would the Project be served by a landfill with sufficient permitted capacity to accommodate the project’s solid waste disposal needs?**

The proposed Project is not expected to generate a substantial amount of waste that would exceed the capacity of local landfills. Materials brought to the project site would be used to construct facilities, and few residual materials are expected. Non-hazardous construction refuse and solid waste would be either collected and recycled or disposed of at a local landfill. Any hazardous waste generated during construction would be disposed of at an approved location.

The Kings Waste and Recycling Authority (KWRA) manages the materials recovery facility located off of SR 43, approximately 16 miles northeast of the Project. The KWRA facility continues to implement efforts to recycle and re-use material to divert waste from entering the landfills.

According to the 2035 Kings County General Plan Program EIR, the B-17 landfill can accommodate up to 2,000 tons/day of solid waste. The increase in solid waste generated by the project is minimal, and would not exceed the daily permitted capacity of B-17 landfill. Currently, the B-17 landfill has a maximum permitted capacity of 18,400,000 cubic yards with a remaining capacity of 17,468,595 cubic yards (CalRecycle, 2017). As such, adequate landfill capacity is available to serve the additional development that could occur throughout majority of the life of the 2035 General Plan, up to the year 2030.

Construction of the proposed project would produce little solid waste because no demolition activities would take place. Instead, materials would be brought to the site and used for construction of the Project. The small amounts of residual refuse and debris, as well as any discarded materials, would be taken to the Kings Waste and Recycling Authority (KWRA) landfill for disposal. Because the proposed project would generate only a minimal amount of waste, it would not be expected to affect nearby County landfills significantly. KWRA manages the materials recovery facility located east of State Route 43, just south of Hanford Armona Road. The KWRA facility continues to implement efforts to recycle and re-use material to divert waste from entering the landfills.

Other solid waste generated would be typical items associated with agricultural activities and rural residential use. The KWRA provides services through multiple individual providers to the project site and the available solid waste facilities within Kings County. Impacts would be less than significant

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

**Impact #3.4.18g – Would the Project comply with federal, state, and local statutes and regulations related to solid waste?**

The proposed project would not generate solid waste during construction and operation, and would not require a waste reduction and recycling measure. The 1989 California Integrated Waste Management Act (AB 939) requires Kings County to attain specific waste diversion goals. In addition, the California Solid Waste Reuse and Recycling Access Act of 1991, as amended, requires expanded or new development projects to incorporate storage areas for recycling bins into the proposed project design. The project would comply with the 1989 California Integrated Waste Management Act and the 1991 California Solid Waste Reuse and Recycling Access of 1991, as amended, as well as the rules of the contracted waste franchise, which is the Kings Waste and Recycling Authority. The project is also subject to Chapter 13 of the Kings County Municipal Code that regulates all solid waste activities from disposal, sorting and recycling of materials.

According to CalRecycle, the implementation of the local requirements has led to Kings County meeting their required diversion and disposal targets. Therefore, the implementation and compliance with the local regulations would lead to a less than significant impact for the project (California Department of Resources Recycling and Recovery, 2017). The proposed project would be required to comply with all federal, State, and local statutes and regulations related to the handling and disposal of solid waste. Therefore, implementation of the proposed project would result in less than significant impacts.

**MITIGATION MEASURE(S)**

No mitigation is required.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant*.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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### 3.4.19 - MANDATORY FINDINGS OF SIGNIFICANCE

- |    |  |                          |                                     |                          |                          |
|----|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a. | Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. | Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. | Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

### Discussion

**Impact #3.4.19a – Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?**

As evaluated in this IS/MND, the proposed Project would not substantially degrade the quality of the environment; substantially reduce the habitat of a fish or wildlife species; cause a fish or wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; reduce the number or restrict the range of an endangered, rare, or threatened species; or eliminate important examples of the major periods of California history or prehistory. Mitigation measures have been included to lessen the significance of

potential impacts. Similar mitigation measures would be expected of other projects in the surrounding area, most of which share similar cultural paleontological and biological resources. Consequently, the incremental effects of the proposed Project, after mitigation, would not contribute to an adverse cumulative impact on these resources. Therefore, the project would have a less-than-significant impact with mitigation incorporated.

**MITIGATION MEASURE(S)**

Implementation of MM BIO-1 through MM BIO-9, MM CUL-1 through MM CUL-3, and MM HYD-1.

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.19b - Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?**

As described in the impact analyses in Sections 3.4.1 through 3.4.18 of this IS/MND, any potentially significant impacts of the proposed Project would be reduced to a less-than-significant level following incorporation of the mitigation measures listed in the *Mitigation Monitoring and Reporting Program*. All planned projects in the vicinity of the proposed project would be subject to review in separate environmental documents and required to conform to the 2035 Kings County General Plan, the Kings County Development Code, mitigate for project-specific impacts, and provide appropriate engineering to ensure the project meets all applicable federal, State and local regulations and codes.

As currently designed, and with compliance of the recommended mitigation measures, the proposed Project would not contribute to a cumulative impact. Thus, the cumulative impacts of past, present, and reasonably foreseeable future projects would be less than cumulatively considerable.

**MITIGATION MEASURE(S)**

Implementation of MM BIO-1 through MM BIO-9, MM CUL-1 through MM CUL-3, and MM HYD-1

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

**Impact #3.4.19c - Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?**

The ways in which people can be subject to substantial adverse effects from projects include: potential exposure to significant levels of local air pollutants; potential exposure to seismic and flooding hazards; potential exposure to contamination from hazardous materials; potential exposure to traffic hazards; and potential exposure to excessive noise levels. The risks from these potential hazards would be avoided or reduced to less than significant levels through compliance with existing laws, regulations, or requirements. All of the Project's impacts, both direct and indirect, that are attributable to the Project were identified and mitigated to a less than significant level. As shown in the *Mitigation Monitoring and Reporting Program*, the project proponent has agreed to implement mitigation substantially reducing or eliminating impacts of the project.

Therefore, the proposed project would not either directly or indirectly cause substantial adverse effects on human beings because all potentially adverse direct impacts of the proposed project are identified as having no impact, less than significant impact, or less than significant impact with mitigation incorporated.

**MITIGATION MEASURE(S)**

Implementation of MM BIO-1 through MM BIO-9, MM CUL-1 through MM CUL-3, and MM HYD-1

**LEVEL OF SIGNIFICANCE**

The Project impacts would be *less than significant with mitigation incorporated*.

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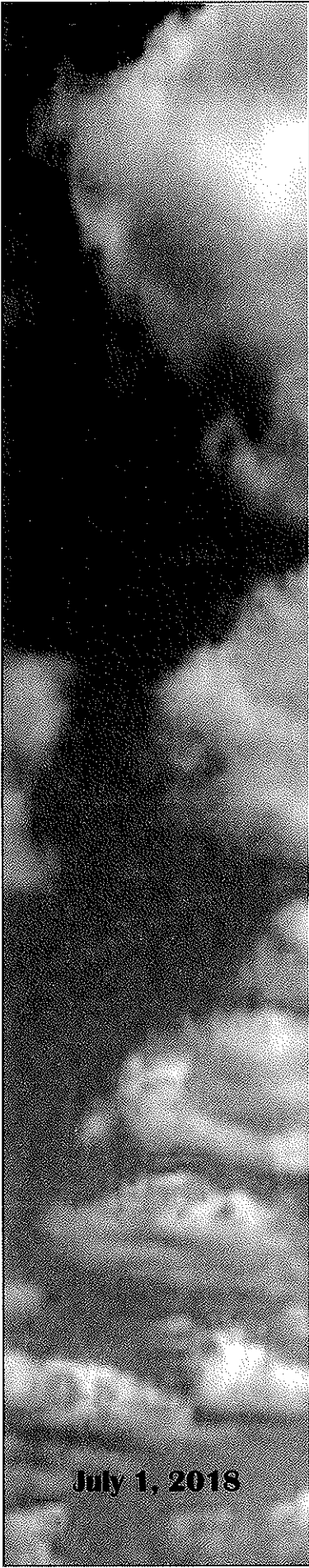
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**APPENDIX A**  
**AIR QUALITY IMPACTS STUDY**





# **Air Quality Impacts of the Stone Ranch Pipeline Project**

**Prepared for:**



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**Prepared by:**



**July 1, 2018**



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Appendix A. Proposed Project Activity Data

Appendix B. CalEEMod Output for Proposed Project Construction

    B1. Pipeline Installation and Trench Resurfacing

    B2. Pump Station Installation

Appendix C. GHG Emission Calculations for Proposed Project Operation

# 1. Introduction

This report evaluates the potential air quality and greenhouse gas (GHG) impacts associated with the proposed Stone Ranch Pipeline project in Kings County, California. It is intended to support an Initial Study (IS) under the California Environmental Quality Act (CEQA) and an Environmental Assessment (EA) under the National Environmental Policy Act (NEPA).

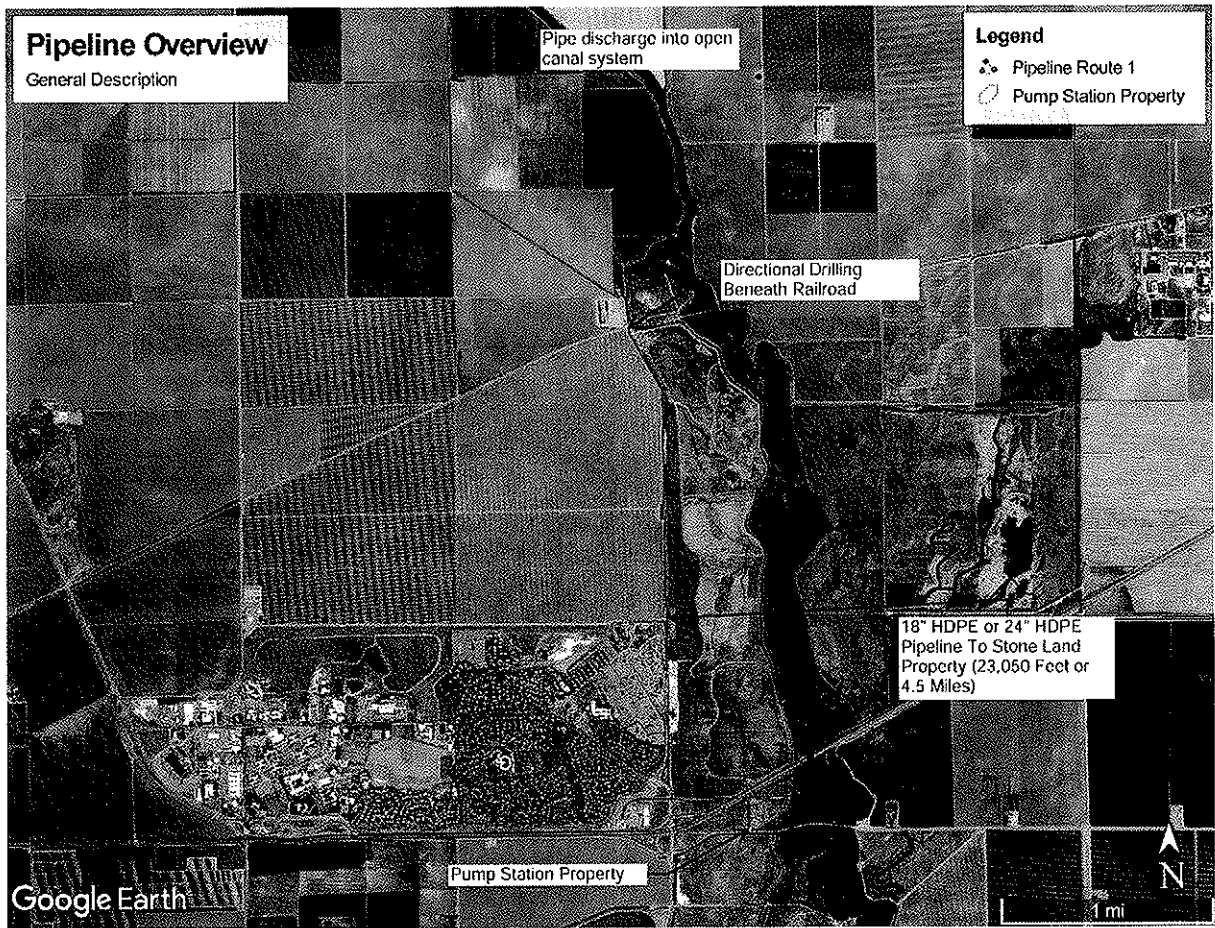
# 2. Project Description

The proposed Project would construct and operate a 4.5-mile pipeline and pump station. The new pipeline would connect to an existing pipeline 5 miles southwest of the City of Lemoore and terminate at an open canal system at the Stone Land Corporation's Stone Ranch property 6 miles west of Lemoore. The Project would convey up to 5 million gallons per day (MGD) of treated combined effluent from the Leprino Foods Company's two cheese production facilities in Lemoore and the City of Lemoore's wastewater treatment plant. The pipeline discharge would be used for agricultural irrigation of feed and fodder crops at the Stone Ranch. The proposed pipeline route and pump station area are shown in Figures 2-1 and 2-2, respectively.

The anticipated construction duration for the entire project is 120 working days. The pipeline would be installed mostly along unpaved agricultural roads and ditches. Approximately 3.9 miles of the pipeline would be installed below grade; the remaining 0.6 miles would be above grade. Trenched areas would be resurfaced with 4 inches of gravel. Once operational, the new pump station would use two 150-horsepower (hp) electric pumps, only one of which would operate at a time.

During construction, the proposed Project would be subject to Regulation VIII (Fugitive PM<sub>10</sub> Prohibition) of the San Joaquin Valley Air Pollution Control District (SJVAPCD). The purpose of Regulation VIII is to reduce ambient concentrations of fine particulate matter (PM<sub>10</sub>) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. Regulation VIII would require fugitive dust emission controls at the construction site such as water application, dust suppressants, reduced vehicle speeds on unpaved roads, and/or trackout prevention and removal (SJVAPCD, 2018a).

Under CEQA, this report evaluates potential air quality impacts associated with the entire proposed Project as described in this section. Under NEPA, this report evaluates only the proposed pipeline construction and associated trench resurfacing. Construction and operation of the pump station would not involve any Federal action and therefore is excluded from the NEPA analysis.



**Figure 2-1. Proposed Pipeline Route**

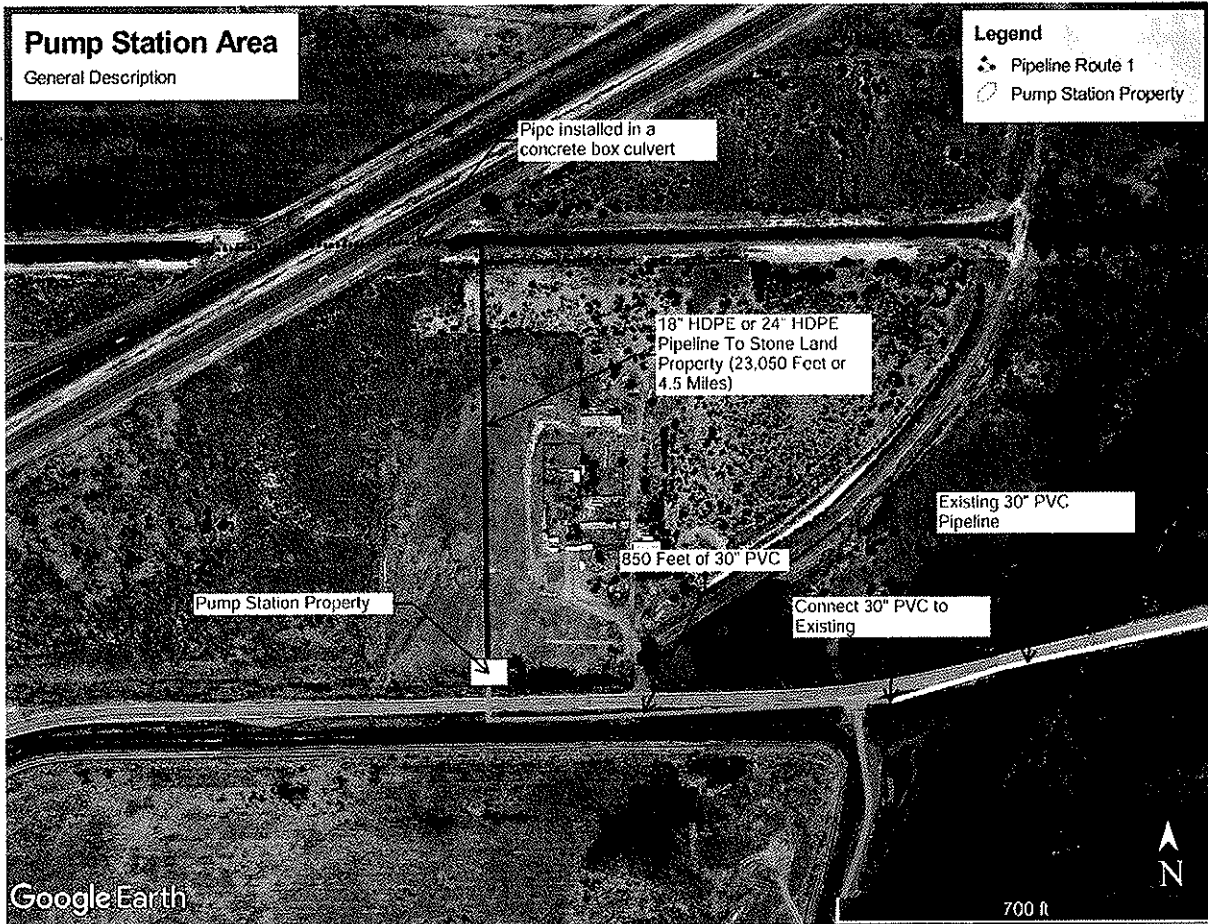


Figure 2-2. Proposed Pump Station Area

### 3. Existing Setting

The proposed Project site is in Kings County, in the San Joaquin Valley Air Basin (SJVAB). The topography and meteorology of the SJVAB provide ideal conditions for trapping air pollution for long periods of time and producing harmful levels of air pollutants, including ozone and particulate matter. Low precipitation levels, cloudless days, high temperatures, and light winds during the summer in the SJVAB are conducive to high ozone levels resulting from the photochemical reaction of nitrogen oxides (NO<sub>x</sub>) and reactive organic gases (ROG). Inversion layers in the atmosphere during the winter can trap emissions of directly emitted PM<sub>2.5</sub> (particulate matter that is 2.5 microns or less in diameter) and PM<sub>2.5</sub> precursors (such as NO<sub>x</sub> and sulfur dioxide [SO<sub>2</sub>]) within the SJVAB for several days, accumulating to unhealthy levels (SJVAPCD, 2015).



## Criteria Pollutants

The U.S. Environmental Protection Agency (EPA) sets National Ambient Air Quality Standards (NAAQS) for six common air pollutants, known as “criteria pollutants”. They are particulate matter (PM), ground-level ozone, carbon monoxide (CO), sulfur oxides (SO<sub>x</sub>), NO<sub>x</sub>, and lead. Table 3-1 describes the criteria pollutants and their precursors. The California Air Resources Board (CARB) also established its own California Ambient Air Quality Standards (CAAQS) for the criteria pollutants and several others.

Geographic areas are deemed "attainment" if the NAAQS and CAAQS are met or nonattainment if they are not met. Nonattainment status is classified by the severity of the nonattainment problem, with marginal, moderate, serious, severe, and extreme nonattainment classifications for ozone. Nonattainment classifications for PM range from moderate to serious (SJVAPCD, 2015). Table 3-2 shows the federal and state attainment designations for the SJVAB. The SJVAB is nonattainment of the NAAQS for ozone and PM<sub>2.5</sub>, and nonattainment of the CAAQS for ozone, PM<sub>10</sub>, and PM<sub>2.5</sub>.

Areas with air quality exceeding the NAAQS are required to prepare an air quality control plan referred to as the State Implementation Plan (SIP). The SIP contains the strategies and control measures that states will use to attain the NAAQS. Air Districts with air quality exceeding the CAAQS are required to prepare an air quality attainment plan that lays out a program to attain the CAAQS (SJVAPCD, 2015).

**Table 3-1. Criteria Pollutant Descriptions**

Air Pollutant	Description <sup>a</sup>
Ozone	Ozone is a reactive gas consisting of three atoms of oxygen. In the troposphere, it is a product of the photochemical process involving the sun's energy. It is a secondary pollutant that is formed when NO <sub>x</sub> and reactive organic gases (ROG) react in the presence of sunlight. Ozone at the earth's surface causes numerous adverse health effects and is a criteria pollutant. It is a major component of smog. In the stratosphere, ozone exists naturally and shields Earth from harmful incoming ultraviolet radiation. High concentrations of ground level ozone can adversely affect the human respiratory system and aggravate cardiovascular disease and many respiratory ailments. Ozone also damages natural ecosystems such as forests and foothill communities, agricultural crops, and some man-made materials, such as rubber, paint, and plastics.
Carbon Monoxide (CO)	CO is an odorless, colorless gas that is highly toxic. It is formed by the incomplete combustion of fuels and is emitted directly into the air (unlike ozone). The main source of CO in the San Joaquin Valley is on-road motor vehicles. Other CO sources in the Valley include other mobile sources, miscellaneous processes, and fuel combustion from stationary sources. Because of the local nature of CO problems, ARB and EPA designate urban areas as CO nonattainment areas instead of the entire basin as with ozone and PM <sub>10</sub> . Motor vehicles are by far the largest source of CO emissions. Emissions from motor vehicles have been declining since 1985, despite increases in vehicle miles traveled (VMT), with the introduction of new automotive emission controls and fleet turnover.
Oxides of Nitrogen (NO <sub>x</sub> ) (ozone and PM precursor)	NO <sub>x</sub> is a family of gaseous nitrogen compounds and is a precursor to the formation of ozone (described in the following paragraph) and particulate matter. The major component of NO <sub>x</sub> , nitrogen dioxide (NO <sub>2</sub> ), is a reddish-brown gas that is toxic at high concentrations. NO <sub>x</sub> results primarily from the combustion of fossil fuels under high temperature and pressure. On-road and off-road motor vehicles and fuel combustion are the major sources of this air pollutant. Ozone is a reactive gas consisting of three atoms of oxygen. In the troposphere, it is a product of the photochemical process involving the sun's energy. It is a secondary pollutant that is formed when NO <sub>x</sub> and ROG react in the presence of sunlight. Ozone at the earth's surface causes numerous adverse health effects and is a criteria

	<p>pollutant. It is a major component of smog. In the stratosphere, ozone exists naturally and shields Earth from harmful incoming ultraviolet radiation. High concentrations of ground level ozone can adversely affect the human respiratory system and aggravate cardiovascular disease and many respiratory ailments. Ozone also damages natural ecosystems such as forests and foothill communities, agricultural crops, and some man-made materials, such as rubber, paint, and plastics.</p>
Reactive Organic Gas (ROG) (ozone and PM precursor)	<p>A reactive chemical gas composed of hydrocarbon compounds that may contribute to the formation of ozone by their involvement in atmospheric chemical reactions. No separate health standards exist for ROG as a group. Because some compounds that make up ROG are also toxic, like the carcinogen benzene, they are often evaluated as part of a toxic risk assessment.</p>
Sulfur Oxides (SO <sub>x</sub> ) (PM precursor)	<p>Sulfur dioxide (SO<sub>2</sub>) is a colorless, irritating gas with a "rotten egg" smell formed primarily by the combustion of sulfur-containing fossil fuels. The SJVAB is in attainment of both the Federal and California standards for SO<sub>2</sub>. However, like airborne NO<sub>x</sub>, suspended SO<sub>x</sub> particles contribute to the poor visibility that sometimes occurs in the Valley. These SO<sub>x</sub> particles can also combine with other pollutants to form PM<sub>2.5</sub>. The prevalence of low-sulfur fuel use in the Valley has minimized problems from this pollutant.</p>
Particulate Matter Less than 10 Microns (PM <sub>10</sub> )  and  Particulate Matter less than 2.5 Microns (PM <sub>2.5</sub> )	<p>Particulate matter (PM), also known as particle pollution, is a complex mixture of extremely small particles and liquid droplets. Particle pollution is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is directly linked to their potential for causing health problems. EPA is concerned about particles that are 10 micrometers in diameter or smaller because those are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. Acute and chronic health effects associated with high particulate levels include the aggravation of chronic respiratory diseases, heart and lung disease, coughing, bronchitis, and respiratory illnesses in children.</p> <p>Inhalable coarse particles (PM<sub>2.5-10</sub>), such as those found near roadways and dusty industries, are between 2.5 and 10 micrometers in diameter. PM<sub>2.5-10</sub> is deposited in the thoracic region of the lungs. Fine particles (PM<sub>2.5</sub>), such as those found in smoke and haze, are 2.5 micrometers in diameter and smaller. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries and automobiles react in the air. They penetrate deeply into the thoracic and alveolar regions of the lungs. PM<sub>10</sub> and PM<sub>2.5</sub> include primary pollutants (emitted directly to the atmosphere) as well as secondary pollutants (formed in the atmosphere by chemical reactions among precursors). Generally speaking, PM<sub>2.5</sub> is emitted by combustion sources like vehicles, power generation, industrial processes, and wood burning, while PM<sub>10</sub> sources include these same sources plus roads and farming activities. Fugitive windblown dust and other area sources also represent a source of airborne dust in the Valley.</p>
Lead	<p>Lead is a metal that is a natural constituent of air, water, and the biosphere. Lead is neither created nor destroyed in the environment, so it essentially persists forever. The health effects of lead poisoning include loss of appetite, weakness, apathy, and miscarriage; it can also cause lesions of the neuromuscular system, circulatory system, brain, and gastrointestinal tract. Gasoline-powered automobile engines were a major source of airborne lead through the use of leaded fuels. The use of leaded fuel has been mostly phased out, with the result that ambient concentrations of lead have dropped dramatically. Lead concentrations were last systematically measured in the SJVAB in 1989, when the average concentrations were approximately five percent of the State lead standard. Lead levels remain well below applicable standards.</p>

Notes:

<sup>a</sup> Source: GAMAQI (SJVAPCD, 2015).

**Table 3-2. SJVAB Attainment Designations**

Pollutant	Designation/Classification <sup>a</sup>	
	Federal Standards	State Standards
Ozone	Nonattainment/Extreme	Nonattainment/Severe
PM <sub>10</sub>	Attainment/Maintenance	Nonattainment
PM <sub>2.5</sub>	Nonattainment/Moderate	Nonattainment
CO	Attainment/Unclassified	Attainment/Unclassified
NO <sub>2</sub>	Attainment/Unclassified	Attainment
SO <sub>2</sub>	Attainment/Unclassified	Attainment
Lead	No Designation/Classification	Attainment

Notes:

<sup>a</sup> Source: SJVAPCD, 2018b.

### *Greenhouse Gases*

Greenhouse gases (GHGs) are gases that absorb and emit radiation within the thermal infrared range, trapping heat in the earth’s atmosphere. There are no “attainment” concentration standards established by the Federal or State government for greenhouse gases. In fact, GHGs are not generally thought of as traditional air pollutants because greenhouse gases, and their impacts, are global in nature, while air pollutants affect the health of people and other living things at ground level, in the general region of their release to the atmosphere. Some greenhouse gases occur naturally and are emitted into the atmosphere through both natural processes and human activities. Other GHGs are created and emitted solely through human activities (SJVAPCD, 2015). The GHGs evaluated in this report for the proposed Project are carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O).

The global warming potentials (GWPs) of the various GHGs are measures of their relative average global radiative forcing effect, the potential of a gas or aerosol to trap heat in the atmosphere. Individual GHG species have varying GWPs and atmospheric lifetimes. The carbon dioxide equivalent (CO<sub>2</sub>e) is a consistent methodology for comparing GHG emissions since it normalizes various GHG emissions to a single metric. The reference gas for GWP is carbon dioxide with a GWP of one and GWP weighted emissions are measured in terms of CO<sub>2</sub>e (SJVAPCD, 2009).

In 2006, the California State Legislature adopted Assembly Bill (AB) 32 – The California Global Warming Solutions Act. AB 32 directs the State to reduce California GHG emissions to 1990 levels by 2020. It instructs CARB to establish a program of regulatory and market mechanisms to achieve GHG reductions and to implement a mandatory GHG reporting and verification program. In accordance with AB 32, the Climate Change Scoping Plan (Scoping Plan) outlines California’s strategy for achieving the 2020 GHG emissions limit outlined under the law. The Scoping Plan was updated in 2013 and 2017 with new strategies to achieve the 2020 State target, and to achieve a new target of 40 percent below 1990 emissions levels by 2030 (CARB, 2018a).

One key element of the Scoping Plan is the Cap-and-Trade Program. It sets a statewide limit on sources responsible for 85 percent of California’s GHG emissions, and establishes a price signal needed to drive long-term investment in cleaner fuels and more efficient use of energy. The program is designed to provide covered entities the flexibility to seek out and implement the lowest cost options to reduce emissions. The program, which covers about 450 entities, started

in 2013 for electricity generators and large industrial facilities emitting 25,000 metric tons (MT) CO<sub>2</sub>e or more annually. It started in 2015 for distributors of transportation, natural gas, and other fuels. The Cap was set in 2013 at about 2 percent below the emissions level forecast for 2012. It declined about 2 percent in 2014, and will decline about 3 percent annually from 2015 to 2020 (CARB, 2018b).

## 4. Approach for Assessing Impacts

This analysis evaluated the potential air quality impacts of the proposed Project in accordance with the SJVAPCD's *Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI)* (SJVAPCD, 2015). The analysis addressed impacts from the proposed Project's criteria pollutant and GHG emissions.

To evaluate Project impacts, this report, consistent with GAMAQI, addresses the following five air quality-related Initial Study questions listed in Appendix G of the CEQA Guidelines (California Natural Resources Agency, 2018). Would the project:

AQ-A: Conflict with or obstruct implementation of the applicable air quality plan?

AQ-B: Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

AQ-C: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

AQ-D: Expose sensitive receptors to substantial pollutant concentrations?

AQ-E: Create objectionable odors affecting a substantial number of people?

For each impact, a significance determination is made for CEQA and, where applicable, NEPA. A federal general conformity statement is included under Impact AQ-A. GHG impacts are also discussed under Impact AQ-A.

## 5. Air Quality Impacts

### ***Impact AQ-A.***

***The proposed Project would not conflict with or obstruct implementation of the applicable air quality plan.***

### ***Criteria Pollutants***

For assessing project-level air quality impacts, the SJVAPCD has established thresholds of significance for criteria pollutant emissions. The thresholds are based on the SJVAPCD's New

Source Review (NSR) offset requirements for stationary sources, which are a major component of the SJVAPCD’s air quality plans. Thus, projects with emissions below the thresholds of significance for criteria pollutants would be determined to “not conflict or obstruct implementation of the District’s air quality plan” (SJVAPCD, 2015).

The SJVAPCD’s thresholds of significance for construction emissions are presented in Table 5-1. The operational thresholds were not used for the proposed Project because the only notable source of operational emissions would be the electric pumps at the pump station, which would generate indirect emissions at the contributing power generation stations.<sup>1</sup> Because power generation stations are dispersed over a large geographical area covering multiple air basins, only GHGs, which are global in nature, are considered operational pollutants of concern for the proposed Project.

**Table 5-1. SJVAPCD Air Quality Significance Thresholds for Construction Emissions**

Pollutant/Precursor	Construction Emissions Threshold (ton/yr)
CO	100
NO <sub>x</sub>	10
ROG	10
SO <sub>x</sub>	27
PM <sub>10</sub>	15
PM <sub>2.5</sub>	15

Source: GAMAQI (SJVAPCD, 2015).

During construction, the proposed Project would produce criteria pollutant emissions, primarily in the form of fugitive dust from earthmoving and vehicular travel over unpaved surfaces, and engine exhaust from off-road equipment and on-road vehicles. Construction emissions were estimated with the California Emissions Estimator Model (CalEEMod), version 2016.3.2 (CAPCOA, 2017).

The following key project-specific activity data formed the basis of the user inputs into CalEEMod:

**Pipeline Installation**

- The phase duration was set to 120 working days, starting October 2018. (Any delay in the construction timeline would result in lower estimated emissions due to assumed cleaner emission factors).
- Off-road construction equipment would consist of 1 excavator, 1 forklift, and 1 off-highway truck, all operating 8 hours per day.
- On-road vehicle trips would consist of 960 worker trips (assumes 4 person crew, each making one daily round trip), and 480 vendor trips (assumes 1 water truck and 1 material delivery truck per day).

<sup>1</sup> A single maintenance vehicle would periodically visit the pump station and pipeline during operation to observe the equipment condition. The associated emissions would be negligible and were not quantified.

- The average travel distance by on-road vehicles on unpaved roads would be 1.5 miles per one-way trip.
- During trenching, 12,241 cubic yards of soil would be excavated and then re-placed in the trench and on adjacent land.

### **Trench Resurfacing**

- The phase duration was set to 10 working days in 2019, coinciding with the end of the overall 120 working day construction timeline.
- Off-road construction equipment would consist of 1 loader and 1 off-highway truck, all operating 8 hours per day.
- On-road vehicle trips would consist of 80 worker trips (assumes 4 person crew, each making one daily round trip), 20 vendor trips (assumes 1 water truck per day), and 130 haul truck trips (assumes 647 cubic yards of gravel delivery by a 10 cubic yard capacity truck).
- The average travel distance by on-road vehicles on unpaved roads would be 1.5 miles per one-way trip.

### **Pump Station Installation**

- The phase duration was set to 30 working days in 2018, coinciding with the beginning of the overall 120 working day construction timeline.
- Off-road construction equipment would consist of 1 excavator, 1 loader, and 2 off-highway trucks, all operating 8 hours per day.
- On-road vehicle trips would consist of 180 worker trips (assumes 3 person crew, each making one daily round trip), 64 vendor trips (assumes 1 water truck per day and a total of 2 material delivery trucks), and 8 haul truck trips (assumes 39 cubic yards of gravel delivery by a 10 cubic yard capacity truck for site resurfacing).
- The average travel distance by on-road vehicles on unpaved roads would be 40 feet per one-way trip.
- During site excavation, 37 cubic yards of soil would be excavated and then re-placed on-site or on adjacent land.

Additional details on the activity assumptions for proposed Project construction are included in Appendix A. The CalEEMOD output tables for proposed Project construction are included in Appendix B.

Table 5-2 presents the annual criteria pollutant emissions associated with proposed Project construction. The total emissions for CEQA (all construction activities) and NEPA (pipeline installation and trench resurfacing only) and their comparisons to the SJVAPCD significance thresholds are shown at the bottom of the table. The table shows that all emissions are well below the significance thresholds for both CEQA and NEPA. Therefore, under both CEQA and

NEPA, the proposed Project’s impact on air quality planning efforts for criteria pollutants would be less than significant. Mitigation is not required.

**Table 5-2. Criteria Pollutant Emissions Associated with Proposed Project Construction**

Activity	Emission Rate (ton/yr) <sup>a,b</sup>					
	CO	NO <sub>x</sub>	ROG	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Pipeline Installation</b>						
Fugitive Dust	0.000	0.000	0.000	0.000	0.003	0.000
Off-Road Equipment	0.515	0.734	0.071	0.001	0.033	0.030
On-Road Vehicles	0.035	0.034	0.005	0.000	1.449	0.146
<b>Subtotal - Pipeline Installation</b>	<b>0.55</b>	<b>0.77</b>	<b>0.076</b>	<b>0.001</b>	<b>1.48</b>	<b>0.18</b>
<b>Trench Resurfacing</b>						
Fugitive Dust	0.000	0.000	0.000	0.000	0.000	0.000
Off-Road Equipment	0.032	0.048	0.005	0.000	0.002	0.002
On-Road Vehicles	0.005	0.021	0.001	0.000	0.222	0.023
<b>Subtotal - Trench Resurfacing</b>	<b>0.04</b>	<b>0.07</b>	<b>0.006</b>	<b>0.000</b>	<b>0.22</b>	<b>0.02</b>
<b>Pump Station Installation</b>						
Fugitive Dust	0.000	0.000	0.000	0.000	0.000	0.000
Off-Road Equipment	0.210	0.336	0.032	0.001	0.014	0.013
On-Road Vehicles	0.007	0.006	0.001	0.000	0.002	0.000
<b>Subtotal - Pump Station Installation</b>	<b>0.22</b>	<b>0.34</b>	<b>0.032</b>	<b>0.001</b>	<b>0.02</b>	<b>0.01</b>
<b>Total Construction Emissions for CEQA <sup>c,d</sup></b>	<b>0.8</b>	<b>1.2</b>	<b>0.1</b>	<b>0.002</b>	<b>1.7</b>	<b>0.2</b>
<b>Total Construction Emissions for NEPA <sup>c,e</sup></b>	<b>0.6</b>	<b>0.8</b>	<b>0.08</b>	<b>0.001</b>	<b>1.7</b>	<b>0.2</b>
SJVAPCD Significance Thresholds	100	10	10	27	15	15
<b>CEQA Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
<b>NEPA Significant?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Notes:

- a. Source: CalEEMod.2016.3.2
- b. Emissions are conservatively calculated without emission controls even though SJVAPCD Regulation VIII would require controls on fugitive dust.
- c. Total construction emissions will take place within one rolling 12-month period (approximately 120 working days).
- d. CEQA emissions include all construction activities (Pipeline Installation, Trench Resurfacing, and Pump Station Installation).
- e. NEPA emissions include Pipeline Installation and Trench Resurfacing only.

### **General Conformity**

The General Conformity rule (EPA, 1993; EPA, 2010) establishes the process by which Federal agencies ensure that a proposed Project that is federally funded or requires Federal approval would not cause or contribute to new violations of air quality standards, exacerbate existing violations, or interfere with timely attainment or required interim emissions reductions towards attainment. A general conformity determination is required if a Federal action in a nonattainment or maintenance area would cause an increase in emissions of the relevant criteria pollutants and precursor pollutants that are equal to or exceed certain *de minimis* thresholds.

The *de minimis* thresholds for general conformity depend on the degree of Federal nonattainment (EPA, 2018). The SJVAB is an extreme nonattainment area for ozone; therefore, the *de minimis*

threshold for each ozone precursor (NO<sub>x</sub> and ROG) is 10 tons per year. The SJVAB is a maintenance area for PM<sub>10</sub>; therefore, the *de minimis* threshold for PM<sub>10</sub> is 100 tons per year. The SJVAB is a moderate nonattainment area for PM<sub>2.5</sub>; therefore, the *de minimis* threshold for PM<sub>2.5</sub> (which, for conformity purposes, is the combined direct emissions and its precursors: SO<sub>2</sub>, NO<sub>x</sub>, ROG, and ammonia) is 100 tons per year (EPA, 2018).

In the case of the proposed Project, the Federal action would be the pipeline installation and trench resurfacing. Construction and operation of the pump station would require no Federal funding or approval and therefore is not part of the Federal action. Table 5-3 shows the construction emissions associated with the proposed Federal action and compares the emissions to the *de minimis* levels. The tables shows that all emissions are well below the *de minimis* levels. Therefore, a general conformity determination is not required for the proposed Federal action.

**Table 5-3. General Conformity Applicability Determination**

Federal Action	Emission Rate (ton/yr) <sup>a,b</sup>			
	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub> <sup>c</sup>
<b>Pipeline Installation</b>				
Fugitive Dust	0.000	0.000	0.003	0.000
Off-Road Equipment	0.734	0.071	0.033	0.837
On-Road Vehicles	0.034	0.005	1.449	0.185
<b>Subtotal - Pipeline Installation</b>	<b>0.77</b>	<b>0.076</b>	<b>1.48</b>	<b>1.02</b>
<b>Trench Resurfacing</b>				
Fugitive Dust	0.000	0.000	0.000	0.000
Off-Road Equipment	0.048	0.005	0.002	0.054
On-Road Vehicles	0.021	0.001	0.222	0.044
<b>Subtotal - Trench Resurfacing</b>	<b>0.07</b>	<b>0.006</b>	<b>0.22</b>	<b>0.10</b>
<b>Total Emissions<sup>d</sup></b>	<b>0.8</b>	<b>0.08</b>	<b>1.7</b>	<b>1.1</b>
Conformity <i>De Minimis</i> Thresholds	10	10	100	100
<b>Conformity Analysis Required?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Notes:

- Source: CalEEMod.2016.3.2
- Emissions are conservatively calculated without emission controls even though SJVAPCD Regulation VIII would require controls on fugitive dust.
- Per EPA guidance, PM<sub>2.5</sub> emissions also include its precursors: SO<sub>2</sub>, NO<sub>x</sub>, and ROG.
- Total construction emissions will take place within one rolling 12-month period (approximately 120 working days).

### **Greenhouse Gases**

The proposed Project would produce emissions of GHGs during construction as a result of off-road equipment and on-road vehicle exhaust. The GHG emissions associated with proposed Project construction were calculated by CalEEMod and are presented in Table 5-4. The CalEEMod output files are provided in Appendix B.

The proposed Project would also produce indirect emissions of GHGs during operation as a result of pump station electricity consumption. The GHG emissions associated with proposed Project operation are presented in Table 5-5. The emissions were calculated using CalEEMod-



supplied emission factors for PG&E, the anticipated utility provider for the pump station. The operational emission calculations are provided in Appendix C.

The SJVAPCD developed its significance criteria for GHG impacts in the 2009 document, *Addressing Greenhouse Gas Emissions Impacts Under the California Environmental Quality Act* (SJVAPCD, 2009). This document states that a Project’s individual and cumulative GHG emissions impact would be considered less than significant if the Project complies with an approved GHG emission reduction plan or GHG mitigation program that avoids or substantially reduces GHG emissions within the geographic area in which the project is located (SJVAPCD, 2009). In a discussion regarding the proposed Project, SJVAPCD staff agreed that the proposed Project would satisfy this criterion because the utility provider, PG&E, participates in the Cap-and-Trade program and therefore complies with the AB 32 Scoping Plan (SJVAPCD, 2018c).

Therefore, under CEQA, the proposed Project’s impact on GHG emission reduction planning efforts would be less than significant. Moreover, the proposed Project’s GHG emissions impact would be less than significant both individually and cumulatively. Mitigation is not required.

**Table 5-4. GHG Emissions Associated with Proposed Project Construction**

Activity	Emission Rate (MT/yr) <sup>a</sup>			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e <sup>b</sup>
<b>Pipeline Installation</b>				
Fugitive Dust	0.0	0.000	0.000	0.0
Off-Road Equipment	108.2	0.034	0.000	109.1
On-Road Vehicles	11.4	0.001	0.000	11.5
<b>Subtotal - Pipeline Installation</b>	<b>119.7</b>	<b>0.035</b>	<b>0.000</b>	<b>120.5</b>
<b>Trench Resurfacing</b>				
Fugitive Dust	0.0	0.000	0.000	0.0
Off-Road Equipment	7.3	0.002	0.000	7.4
On-Road Vehicles	5.7	0.000	0.000	5.7
<b>Subtotal - Trench Resurfacing</b>	<b>13.0</b>	<b>0.003</b>	<b>0.000</b>	<b>13.1</b>
<b>Pump Station Installation</b>				
Fugitive Dust	0.0	0.000	0.000	0.0
Off-Road Equipment	47.5	0.015	0.000	47.9
On-Road Vehicles	2.1	0.000	0.000	2.1
<b>Subtotal - Pump Station Installation</b>	<b>49.6</b>	<b>0.015</b>	<b>0.000</b>	<b>50.0</b>
<b>Total Construction Emissions for CEQA<sup>c,d</sup></b>	<b>182.3</b>	<b>0.05</b>	<b>0.00</b>	<b>183.6</b>
<b>Total Construction Emissions for NEPA<sup>c,e</sup></b>	<b>132.7</b>	<b>0.04</b>	<b>0.00</b>	<b>133.6</b>

Notes:

- a. Source: CalEEMod.2016.3.2. MT = metric ton = 1,000 kilograms = 1.1 tons.
- b. CO<sub>2</sub>e is carbon dioxide equivalent, calculated using global warming potentials (GWPs) from the 2007 IPCC’s Fourth Assessment Report (AR4) and consistent with CalEEMod.2016.3.2. The GWPs for CH<sub>4</sub> and N<sub>2</sub>O are 25 and 298, respectively.
- c. Total construction emissions will take place within one rolling 12-month period (approximately 120 working days).
- d. CEQA emissions include all construction activities (Pipeline Installation, Trench Resurfacing, and Pump Station Installation).
- e. NEPA emissions include Pipeline Installation and Trench Resurfacing only.

**Table 5-5. GHG Emissions Associated with Proposed Project Operation**

Source	Emission Rate (MT/yr) <sup>a</sup>			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e <sup>b</sup>
Pump Station Electricity Consumption (CEQA) <sup>c</sup>	285.2	0.01	0.003	286.3

Notes:

- a. MT = metric ton = 1,000 kilograms = 1.1 tons.
- b. CO<sub>2</sub>e is carbon dioxide equivalent, calculated using global warming potentials (GWPs) from the 2007 IPCC's Fourth Assessment Report (AR4) and consistent with CalEEMod.2016.3.2. The GWPs for CH<sub>4</sub> and N<sub>2</sub>O are 25 and 298, respectively.
- c. The pump station would not be part of the proposed Federal Action; therefore, the operational GHG emissions are subject only to CEQA.

***Impact AQ-B.***

***The proposed Project would not violate an air quality standard or contribute substantially to an existing or projected air quality violation.***

Determination of whether project emissions would violate any ambient air quality standard is largely a function of air quality dispersion modeling. If project emissions would not exceed State and Federal ambient air quality standards at the project's property boundaries, the project would be considered to not violate any air quality standard or contribute substantially to an existing or projected air quality violation. When assessing the significance of project-related impacts on air quality, the SJVAPCD states that the impacts may be significant when on-site emission increases from construction activities or operational activities exceed a 100 pounds per day screening level of any criteria pollutant after implementation of all enforceable mitigation measures. Under such circumstance, the SJVAPCD recommends that an ambient air quality analysis (AAQA), using air dispersion modeling, be performed (SJVAPCD, 2015).

In accordance with GAMAQI guidance, Table 5-6 shows the proposed Project's estimated construction emissions converted to daily emission rates based on a 120-working day duration. The emission rates are well below the 100 lb/day AAQA screening level for all pollutants. Therefore, under both CEQA and NEPA, the proposed Project's impact on local ambient air pollutant levels would be less than significant. Mitigation is not required.

**Table 5-6. Ambient Air Quality Analysis Applicability Determination**

Pollutant	Construction Duration (work days)	Daily Construction Emission Rate (lb/day) <sup>a</sup>	AAQA Threshold (lb/day)	AAQA Required?
CO	120	13.4	100	No
NO <sub>x</sub>		19.6	100	No
ROG		1.9	100	No
SO <sub>x</sub>		0.03	100	No
PM <sub>10</sub>		28.7	100	No
PM <sub>2.5</sub>		3.6	100	No

Notes:

- a. The emission rates are derived from CalEEMod.2016.3.2 annual emission calculations.

***Impact AQ-C.***

***The proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment.***

CEQA defines cumulative impacts as two or more individual effects which, when considered together, are either significant or “cumulatively considerable”, meaning they add considerably to a significant environmental impact. An adequate cumulative impact analysis considers a project over time and in conjunction with other past, present, and reasonably foreseeable future projects whose impacts might compound those of the project being assessed. By its very nature, air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development. Future attainment of State and Federal ambient air quality standards is a function of successful implementation of the SJVAPCD’s attainment plans. Consequently, the SJVAPCD’s application of thresholds of significance for criteria pollutants (in Impact AQ-A) is relevant to the determination of whether a Project’s individual emissions would have a cumulatively significant impact on air quality (SJVAPCD, 2015).

As shown in Table 5-2 of Impact AQ-A, the criteria pollutant emissions during proposed Project construction would be well below the SJVAPCD’s significance thresholds for both CEQA and NEPA. Therefore, under both CEQA and NEPA, the proposed Project would not produce a cumulatively considerable contribution to a significant cumulative criteria pollutant impact. Mitigation is not required.

### ***Impact AQ-D.***

#### ***The proposed project would not expose sensitive receptors to substantial pollutant concentrations.***

Determination of whether a Project would expose sensitive receptors to substantial pollutant concentrations is a function of assessing potential health risks from toxic air contaminant (TAC) emissions. Sensitive receptors are facilities that house or attract children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants. Hospitals, schools, convalescent facilities, and residential areas are examples of sensitive receptors. (SJVAPCD, 2015). The nearest sensitive receptors to the proposed Project are residences in Lemoore Station, approximately 200 feet west of the proposed pipeline route at their closest. The nearest school to the proposed Project is Akers Elementary School, in Lemoore Station, approximately 1,200 feet west of the proposed pipeline route.

TACs as defined by the California Health & Safety Code (CH&SC) §44321 are listed in Appendices AI and AII in the AB 2588 Air Toxic “Hot Spots” and Assessment Act’s Emissions Inventory Criteria and Guideline Regulation document (CARB, 2007). Potential health impacts from TACs are generally categorized into two groups: carcinogenic (cancer causing) and non-carcinogenic (non-cancer causing). The non-carcinogenic effects can be further divided into long-term (chronic) health effects such as birth defects, neurological damage, or genetic damage; and short-term (acute) effects such as eye irritation, respiratory irritation, and nausea. The potential for a Project to produce significant health risks to sensitive receptors depends on the nature of the TAC emissions, the proximity between the emitting facility and sensitive receptors, the direction of prevailing winds, and local topography (SJVAPCD, 2015).

The primary source of TAC emissions during proposed Project construction would be diesel particulate matter (DPM) emissions from construction equipment. CARB classifies DPM as a carcinogen (CARB, 2017). Cancer risks associated with proposed Project construction are not expected to be an issue of concern for the following reasons: (1) the duration of exposure to construction emissions would be brief (less than one year) compared to a 30-year exposure period assumed for the assessment of cancer risk for residential receptors (OEHHA, 2015); (2) proposed Project construction would involve a relatively small number of diesel equipment, therefore producing relatively low levels of DPM emissions; and (3) the construction emissions would be spread out and diluted over the 4.5-pipeline route, resulting in relatively small exposures at any given receptor location. Therefore, under both CEQA and NEPA, the proposed project would not expose sensitive receptors to substantial concentrations of TACs. Mitigation is not required.

### ***Impact AQ-E.***

#### ***The proposed project would not create objectionable odors affecting a substantial number of people.***

Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, there are no quantitative or formulaic methodologies to determine the presence of a significant odor impact. Rather, the

SJVAPCD recommends that odor analyses strive to fully disclose all pertinent information. The intensity of an odor source's operations and its proximity to sensitive receptors influences the potential significance of odor emissions (SJVAPCD, 2015).

In Table 6 of the GAMAQI, the SJVAPCD lists some common types of facilities that have been known to produce odors in the San Joaquin Valley. The proposed project not one of those types and is not a land use generally associated with substantial odors. During construction, odors from diesel construction equipment exhaust may be noticeable under certain meteorological conditions near the construction site. The odors would be relatively small in magnitude and duration, and would quickly disperse into the atmosphere before reaching populated areas. Therefore, under both CEQA and NEPA, the proposed Project is not expected to create objectionable odors affecting a substantial number of people. Mitigation is not required.

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## **Appendix A**

### **Proposed Project Activity Data**





**Table A-1. Pipeline Installation Activity Data**

Pipe Diam (in)	Pipe Length (ft)	Disturbed Corridor Width (ft)	Disturbed Corridor Area (ft <sup>2</sup> )	Total Disturbed Corridor Area (acres)	Total Working Days	Average Active Disturbed Area (acres)	Trench Length (ft) <sup>a</sup>	Trench Width (ft)	Trench Depth (ft)	Trench Volume (cy)	Soil Cut (cy)	Soil Fill (cy) <sup>b</sup>
30	850	30	25,500	0.6			850	5	7	1,102		
24	23,050	30	691,500	15.9			20,050	3	5	11,139		
<b>Total</b>				<b>16.5</b>	<b>120</b>	<b>0.14</b>				<b>12,241</b>	<b>12,241</b>	<b>12,241</b>

<sup>a</sup> Approximately 3,000 feet of the pipeline will be above ground (i.e., no trenching).

<sup>b</sup> Assume all cut soil will be filled back in the trench or on adjacent land via dump truck. No soil will be imported or exported.

**Table A-2. Pipeline Trench Resurfacing Activity Data**

Pipe Diam (in)	Resurfaced Trench Length (ft) <sup>a</sup>	Trench Width (ft)	Gravel Depth for Trench Resurface (inches)	Gravel Import for Trench Resurface (cy)	Gravel Truck Trips for Trench Resurface <sup>b</sup>	Total Working Days
30	850	5	4	52		
24	16,040	3	4	594		
<b>Total</b>				<b>647</b>	<b>130</b>	<b>10</b>

<sup>a</sup> Assume all of the 30-inch pipe trench and 80 percent of the 24-inch pipe trench will be resurfaced with 4 inches of gravel.

<sup>b</sup> Assume a gravel truck capacity of 10 cy.

**Table A-3. Pump Station Installation Activity Data**

Site Area (Acres) <sup>a</sup>	Soil Cut (cy) <sup>b</sup>	Gravel Depth for Site Resurface (inches)	Gravel Import for Site Resurface (cy)	Soil and Gravel Fill (cy) <sup>c</sup>	Gravel Truck Trips for Site Resurface <sup>d</sup>	Total Working Days
0.07	37	4	39	76	8	30

<sup>a</sup> Site area is approximately 70' x 45', measured from the site map.

<sup>b</sup> Assume an area 10' x 10' x 10' will be excavated.

<sup>c</sup> Assume all cut soil will be filled back in the excavated area or on adjacent land via dump truck. No soil will be imported or exported.

<sup>d</sup> Assume a gravel truck capacity of 10 cy.

**Table A-4. Equipment List for Pipeline Installation**

Equipment Type	Quantity	Operation (hr/day)
Excavator	1	8
Water Truck	1	8
Forklift	1	8

**Table A-5. Equipment List for Trench Resurfacing**

Equipment Type	Quantity	Operation (hr/day)
Loader	1	8
Water Truck	1	8

**Table A-6. Equipment List for Pump Station Installation**

Equipment Type	Quantity	Operation (hr/day)
Excavator	1	8
Loader	1	8
Water Truck	1	8
Dump Truck	1	8

**Table A-7. Vehicle Trips for Pipeline Installation**

Trip Type	Vehicle Class <sup>a</sup>	Avg. Trips/Day <sup>b</sup>	Total Trips <sup>b</sup>
Worker <sup>c</sup>	LDA, LDT1, LDT2	8	960
Vendor <sup>d</sup>	HHDT, MHDT	4	480
Hauling	HHDT	0	0

<sup>a</sup> Vehicle classes are CalEEMod defaults.

<sup>b</sup> Trips are one-way trips.

<sup>c</sup> Assume 4-person crew, each making one daily round trip.

<sup>d</sup> Assume 1 water truck (CalEEMod classifies as a vendor) and 1 construction material delivery truck per day.

**Table A-8. Vehicle Trips for Trench Resurfacing**

Trip Type	Vehicle Class <sup>a</sup>	Avg. Trips/Day <sup>b</sup>	Total Trips <sup>b,f</sup>
Worker <sup>c</sup>	LDA, LDT1, LDT2	8	80
Vendor <sup>d</sup>	HHDT, MHDT	2	20
Hauling <sup>e</sup>	HHDT	13	130

<sup>a</sup> Vehicle classes are CalEEMod defaults.

<sup>b</sup> Trips are one-way trips.

<sup>c</sup> Assume 4-person crew, each making one daily round trip.

<sup>d</sup> Assume 1 water truck (CalEEMod classifies as a vendor) per day.

<sup>e</sup> Gravel delivery trucks.

<sup>f</sup> Assume a total of 10 working days.

**Table A-9. Vehicle Trips for Pump Station Installation**

Trip Type	Vehicle Class <sup>a</sup>	Avg. Trips/Day <sup>b</sup>	Total Trips <sup>b,f</sup>
Worker <sup>c</sup>	LDA, LDT1, LDT2	6	180
Vendor <sup>d</sup>	HHDT, MHDT	2.13	64
Hauling <sup>e</sup>	HHDT	0.27	8

<sup>a</sup> Vehicle classes are CalEEMod defaults.

<sup>b</sup> Trips are one-way trips.

<sup>c</sup> Assume 3-person crew, each making one daily round trip.

<sup>d</sup> Assume 1 water truck (CalEEMod classifies as a vendor) per day, and 2 construction material delivery trucks total.

<sup>e</sup> Gravel delivery trucks.

<sup>f</sup> Assume a total of 30 working days.

**Table A-10. Determine Percent of Trips on Paved Roads for Pipeline Installation and Trench Resurfacing**

Trip Type	CalEEMod Default Trip Length (mi)	Average Distance on Unpaved Road (mi) <sup>a,b</sup>	Percent of Trip on Paved Road
Worker	16.8	1.5	91%
Vendor	6.6	1.5	77%
Hauling	20.0	1.5	93%

<sup>a</sup> The average travel distance from the construction site to a paved road was measured in Google Earth by measuring at 1 km intervals along the entire pipeline length.

<sup>b</sup> Approximately 80 percent of the unpaved roads are gravel; 20 percent are dirt.

**Table A-11. Determine Percent of Trips on Paved Roads for Pump Station Installation**

Trip Type	CalEEMod Default Trip Length (mi)	Average Distance on Unpaved Road (mi) <sup>a,b</sup>	Percent of Trip on Paved Road
Worker	16.8	0.0076	99.95%
Vendor	6.6	0.0076	99.89%
Hauling	20.0	0.0076	99.96%

<sup>a</sup> The average travel distance from the construction site to a paved road is 40 feet.

## **Appendix B**

### **CalEEMod Output for Proposed Project Construction**



## **Appendix B1**

### **CalEEMod Output for Proposed Project Construction**

#### **Pipeline Installation and Trench Resurfacing**





Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline**  
Kings County, Annual

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.14	0.00	0

**1.2 Other Project Characteristics**

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	37
Climate Zone	3			Operational Year	2019

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Utility Company Pacific Gas & Electric Company

CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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**1.3 User Entered Comments & Non-Default Data**

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

Project Characteristics -

Land Use - User defined unit = 1 pipeline. Average active disturbance area is 0.14 acres, based on the average progress each day.

Construction Phase - Total working days were provided by QK: 120 days for pipeline installation. Assume 10 days for trench resurfacing.

Off-road Equipment -

Off-road Equipment - QK provided the equipment list: 1 excavator, 1 water truck (used for watering and compaction), and 1 forklift. Conservatively assume 8 hr/day each.

Off-road Equipment - Trench resurfacing: assume 1 loader and 1 water truck.

Trips and VMT - QK provided # of workers: 4 for the pipeline. Assume 2 trips/day per worker. Assume 4 vendor trips per day (water truck, pipeline delivery). Haul trips equal to number of gravel delivery trucks.

On-road Fugitive Dust - Average portion of trip on unpaved road is 1.5 mile. The unpaved roads are 80 percent gravel and 20 percent dirt.

Grading - Material exported equals the trench excavation material. Material imported equals the replaced trench excavation material, some of which is spread to adjacent land, and resurfacing gravel.

Vehicle Trips -

Road Dust -

Energy Use -

Construction Off-road Equipment Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehiclesSpeed	0	40
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	1.00	120.00
tblGrading	MaterialExported	0.00	12,241.00
tblGrading	MaterialImported	0.00	647.00
tblGrading	MaterialImported	0.00	12,241.00
tblLandUse	LotAcreage	0.00	0.14
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Trench Resurfacing
tblOffRoadEquipment	PhaseName		Trench Resurfacing
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOnRoadDust	HaulingPercentPave	100.00	93.00
tblOnRoadDust	HaulingPercentPave	100.00	93.00
tblOnRoadDust	VendorPercentPave	100.00	77.00
tblOnRoadDust	VendorPercentPave	100.00	77.00
tblOnRoadDust	WorkerPercentPave	100.00	91.00
tblOnRoadDust	WorkerPercentPave	100.00	91.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	Hauling TripNumber	3,060.00	0.00
tblTripsAndVMT	Hauling TripNumber	81.00	130.00
tblTripsAndVMT	Vendor TripNumber	0.00	4.00
tblTripsAndVMT	Vendor TripNumber	0.00	2.00
tblTripsAndVMT	Worker TripNumber	5.00	8.00

2.0 Emissions Summary

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**2.1 Overall Construction**

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2018	0.0437	0.4482	0.3068	7.3000e-004	0.7980	0.0193	0.8173	0.0803	0.0177	0.0981	0.0000	66.3078	66.3078	0.0192	0.0000	66.7884
2019	0.0381	0.3885	0.2792	7.3000e-004	0.8752	0.0158	0.8910	0.0882	0.0146	0.1028	0.0000	66.3745	66.3745	0.0185	0.0000	66.8362
Maximum	0.0437	0.4482	0.3068	7.3000e-004	0.8752	0.0193	0.8910	0.0882	0.0177	0.1028	0.0000	66.3745	66.3745	0.0192	0.0000	66.8362

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2018	0.0437	0.4482	0.3068	7.3000e-004	0.7980	0.0193	0.8173	0.0803	0.0177	0.0981	0.0000	66.3077	66.3077	0.0192	0.0000	66.7883
2019	0.0381	0.3885	0.2792	7.3000e-004	0.8752	0.0158	0.8910	0.0882	0.0146	0.1028	0.0000	66.3744	66.3744	0.0185	0.0000	66.8362
Maximum	0.0437	0.4482	0.3068	7.3000e-004	0.8752	0.0193	0.8910	0.0882	0.0177	0.1028	0.0000	66.3744	66.3744	0.0192	0.0000	66.8362

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2018	12-31-2018	0.4901	0.4901
2	1-1-2019	3-31-2019	0.4089	0.4089
		Highest	0.4901	0.4901

2.2 Overall Operational

Unmitigated Operational

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bi-co CO2	NBio CO2	Total CO2	CH4	N2O	CO2e
Area	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste					0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water					0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**2.2 Overall Operational**

Mitigated Operational

Category	tans/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>

Percent Reduction	ROG		NOx		CO		SO2		Fugitive PM10		Exhaust PM10		PM10 Total		Fugitive PM2.5		Exhaust PM2.5		PM2.5 Total		Bio- CO2		NBio- CO2		Total CO2		CH4		N2O		CO2e	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pipeline Installation	Site Preparation	10/1/2018	3/15/2019	5	120	
2	Trench Resurfacing	Grading	3/4/2019	3/15/2019	5	10	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pipeline Installation	Concrete/Industrial Saws	0	8.00	81	0.73
Pipeline Installation	Excavators	1	8.00	158	0.38
Pipeline Installation	Forklifts	1	8.00	89	0.20
Pipeline Installation	Graders	0	8.00	187	0.41
Pipeline Installation	Off-Highway Trucks	1	8.00	402	0.38
Pipeline Installation	Rubber Tired Dozers	0	1.00	247	0.40
Pipeline Installation	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Trench Resurfacing	Concrete/Industrial Saws	0	8.00	81	0.73
Trench Resurfacing	Graders	0	8.00	187	0.41
Trench Resurfacing	Off-Highway Trucks	1	8.00	402	0.38
Trench Resurfacing	Rubber Tired Dozers	0	1.00	247	0.40
Trench Resurfacing	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pipeline Installation	3	8.00	4.00	0.00	16.80	6.80	20.00	LD_Mix	HDT_Mix	HHDT
Trench Resurfacing	2	8.00	2.00	130.00	16.80	6.80	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

**3.2 Pipeline Installation - 2018**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Fugitive Dust					1.3800e-003	0.0000	1.3800e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0409	0.4289	0.2867	6.8000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	59.9637	59.9637	0.0187	0.0000	60.4304
<b>Total</b>	<b>0.0409</b>	<b>0.4289</b>	<b>0.2867</b>	<b>6.8000e-004</b>	<b>1.3800e-003</b>	<b>0.0191</b>	<b>0.0205</b>	<b>2.1000e-004</b>	<b>0.0176</b>	<b>0.0178</b>	<b>0.0000</b>	<b>59.9637</b>	<b>59.9637</b>	<b>0.0187</b>	<b>0.0000</b>	<b>60.4304</b>
MT/yr																

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0176	3.9700e-003	4.0000e-005	0.2657	1.3000e-004	0.2658	0.0266	1.2000e-004	0.0268	0.0000	3.3991	3.3991	4.3000e-004	0.0000	3.4097
Worker	2.0200e-003	1.7800e-003	0.0161	3.0000e-005	0.5309	2.0000e-005	0.5310	0.0535	2.0000e-005	0.0535	0.0000	2.9450	2.9450	1.3000e-004	0.0000	2.9483
<b>Total</b>	<b>2.7100e-003</b>	<b>0.0194</b>	<b>0.0201</b>	<b>7.0000e-005</b>	<b>0.7966</b>	<b>1.5000e-004</b>	<b>0.7968</b>	<b>0.0801</b>	<b>1.4000e-004</b>	<b>0.0803</b>	<b>0.0000</b>	<b>6.3441</b>	<b>6.3441</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>6.3581</b>
MT/yr																



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**3.2 Pipeline Installation - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Fugitive Dust					1.3800e-003	0.0000	1.3800e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0409	0.4289	0.2867	6.6000e-004	0.0191	0.0191	0.0191	0.0176	0.0176	0.0176	0.0000	59.9636	59.9636	0.0187	0.0000	60.4303
<b>Total</b>	<b>0.0409</b>	<b>0.4289</b>	<b>0.2867</b>	<b>6.6000e-004</b>	<b>1.3800e-003</b>	<b>0.0191</b>	<b>0.0205</b>	<b>2.1000e-004</b>	<b>0.0176</b>	<b>0.0178</b>	<b>0.0000</b>	<b>59.9636</b>	<b>59.9636</b>	<b>0.0187</b>	<b>0.0000</b>	<b>60.4303</b>
MT/yr																

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0176	3.9700e-003	4.0000e-005	0.2657	1.3000e-004	0.2658	0.0266	1.2000e-004	0.0268	0.0000	3.3991	3.3991	4.3000e-004	0.0000	3.4097
Worker	2.0200e-003	1.7800e-003	0.0161	3.0000e-005	0.5309	2.0000e-005	0.5310	0.0535	2.0000e-005	0.0535	0.0000	2.9450	2.9450	1.3000e-004	0.0000	2.9483
<b>Total</b>	<b>2.7100e-003</b>	<b>0.0194</b>	<b>0.0201</b>	<b>7.0000e-005</b>	<b>0.7966</b>	<b>1.5000e-004</b>	<b>0.7968</b>	<b>0.0801</b>	<b>1.4000e-004</b>	<b>0.0803</b>	<b>0.0000</b>	<b>6.3441</b>	<b>6.3441</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>6.3581</b>
MT/yr																

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**3.2 Pipeline Installation - 2019**

**Unmitigated Construction On-Site**

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					1.3800e-003	0.0000	1.3800e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0305	0.3051	0.2283	5.4000e-004		0.0135	0.0135		0.0125	0.0125	0.0000	48.2575	48.2575	0.0153	0.0000	48.6392
<b>Total</b>	<b>0.0305</b>	<b>0.3051</b>	<b>0.2283</b>	<b>5.4000e-004</b>	<b>1.3800e-003</b>	<b>0.0135</b>	<b>0.0149</b>	<b>2.1000e-004</b>	<b>0.0125</b>	<b>0.0127</b>	<b>0.0000</b>	<b>48.2575</b>	<b>48.2575</b>	<b>0.0153</b>	<b>0.0000</b>	<b>48.6392</b>

**Unmitigated Construction Off-Site**

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0136	2.9000e-003	3.0000e-005	0.2174	9.0000e-005	0.2175	9.0000e-005	0.0218	0.0219	0.0000	2.7568	2.7568	3.4000e-004	0.0000	2.7653
Worker	1.4800e-003	1.2600e-003	0.0115	3.0000e-005	0.4344	2.0000e-005	0.4344	2.0000e-005	0.0438	0.0438	0.0000	2.3375	2.3375	9.0000e-005	0.0000	2.3399
<b>Total</b>	<b>1.9800e-003</b>	<b>0.0149</b>	<b>0.0144</b>	<b>6.0000e-005</b>	<b>0.6518</b>	<b>1.1000e-004</b>	<b>0.6519</b>	<b>1.1000e-004</b>	<b>0.0656</b>	<b>0.0657</b>	<b>0.0000</b>	<b>5.0943</b>	<b>5.0943</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>5.1052</b>

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**3.2 Pipeline Installation - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Fugitive Dust					1.3800e-003	0.0000	1.3800e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0305	0.3051	0.2283	5.4000e-004	0.0135	0.0135	0.0135	0.0125	0.0125	0.0125	0.0000	48.2575	48.2575	0.0153	0.0000	48.6392
<b>Total</b>	<b>0.0305</b>	<b>0.3051</b>	<b>0.2283</b>	<b>5.4000e-004</b>	<b>1.3800e-003</b>	<b>0.0135</b>	<b>0.0149</b>	<b>2.1000e-004</b>	<b>0.0125</b>	<b>0.0127</b>	<b>0.0000</b>	<b>48.2575</b>	<b>48.2575</b>	<b>0.0153</b>	<b>0.0000</b>	<b>48.6392</b>
MT/yr																

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0136	2.9000e-003	3.0000e-005	0.2174	9.0000e-005	0.2175	9.0000e-005	9.0000e-005	0.0219	0.0000	2.7568	2.7568	3.4000e-004	0.0000	2.7663
Worker	1.4800e-003	1.2600e-003	0.0115	3.0000e-005	0.4344	2.0000e-005	0.4344	0.0438	2.0000e-005	0.0438	0.0000	2.3375	2.3375	9.0000e-005	0.0000	2.3399
<b>Total</b>	<b>1.9800e-003</b>	<b>0.0149</b>	<b>0.0144</b>	<b>6.0000e-005</b>	<b>0.6518</b>	<b>1.1000e-004</b>	<b>0.6519</b>	<b>0.0656</b>	<b>1.1000e-004</b>	<b>0.0657</b>	<b>0.0000</b>	<b>5.0943</b>	<b>5.0943</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>5.1052</b>
MT/yr																

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**3.3 Trench Resurfacing - 2019**

**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7100e-003	0.0476	0.0315	8.0000e-005	2.0900e-003	2.0900e-003	2.0900e-003	1.9200e-003	1.9200e-003	1.9200e-003	0.0000	7.3268	7.3268	2.3200e-003	0.0000	7.3847
<b>Total</b>	<b>4.7100e-003</b>	<b>0.0476</b>	<b>0.0315</b>	<b>8.0000e-005</b>	<b>4.0000e-005</b>	<b>2.0900e-003</b>	<b>2.1300e-003</b>	<b>1.0000e-005</b>	<b>1.9200e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>7.3268</b>	<b>7.3268</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>7.3847</b>

**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	5.7000e-004	0.0194	2.6300e-003	5.0000e-005	0.1214	7.0000e-005	0.1215	0.0123	7.0000e-005	0.0124	0.0000	5.0078	5.0078	4.0000e-004	0.0000	5.0178
Vendor	5.0000e-005	1.2600e-003	2.7000e-004	0.0000	0.0201	1.0000e-005	0.0201	2.0200e-003	1.0000e-005	2.0300e-003	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.2561
Worker	2.7000e-004	2.3000e-004	2.1400e-003	0.0000	0.0805	0.0000	0.0805	8.1000e-003	0.0000	8.1000e-003	0.0000	0.4329	0.4329	2.0000e-005	0.0000	0.4333
<b>Total</b>	<b>8.9000e-004</b>	<b>0.0209</b>	<b>5.0400e-003</b>	<b>5.0000e-005</b>	<b>0.2220</b>	<b>8.0000e-005</b>	<b>0.2221</b>	<b>0.0224</b>	<b>8.0000e-005</b>	<b>0.0225</b>	<b>0.0000</b>	<b>5.6959</b>	<b>5.6959</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>5.7072</b>

Leprino-Lemoore Stone Ranch Effluent Discharge Pipeline - Kings County, Annual

**3.3 Trench Resurfacing - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
Fugitive Dust					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7100e-003	0.0476	0.0315	8.0000e-005	2.0900e-003	2.0900e-003	2.0900e-003	1.9200e-003	1.9200e-003	1.9200e-003	0.0000	7.3268	7.3268	2.3200e-003	0.0000	0.0000	7.3847
<b>Total</b>	<b>4.7100e-003</b>	<b>0.0476</b>	<b>0.0315</b>	<b>8.0000e-005</b>	<b>4.0000e-005</b>	<b>2.0900e-003</b>	<b>2.1300e-003</b>	<b>1.9200e-003</b>	<b>1.9200e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>7.3268</b>	<b>7.3268</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.3847</b>
MT/yr																	

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
Hauling	5.7000e-004	0.0194	2.6300e-003	5.0000e-005	0.1214	7.0000e-005	0.1215	0.0123	7.0000e-005	0.0124	0.0000	5.0078	5.0078	4.0000e-004	0.0000	0.0000	5.0178
Vendor	5.0000e-005	1.2600e-003	2.7000e-004	0.0000	0.0201	1.0000e-005	0.0201	2.0200e-003	1.0000e-005	2.0300e-003	0.0000	0.2553	0.2553	3.0000e-005	0.0000	0.0000	0.2561
Worker	2.7000e-004	2.3000e-004	2.1400e-003	0.0000	0.0805	0.0000	0.0805	8.1000e-003	0.0000	8.1000e-003	0.0000	0.4329	0.4329	2.0000e-005	0.0000	0.0000	0.4333
<b>Total</b>	<b>8.9000e-004</b>	<b>0.0209</b>	<b>5.0400e-003</b>	<b>5.0000e-005</b>	<b>0.2220</b>	<b>8.0000e-005</b>	<b>0.2221</b>	<b>0.0224</b>	<b>8.0000e-005</b>	<b>0.0225</b>	<b>0.0000</b>	<b>5.6959</b>	<b>5.6959</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.7072</b>
MT/yr																	

**4.0 Operational Detail - Mobile**

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

4.1 Mitigation Measures Mobile

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles				Trip %				Trip Purpose %				
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	H-W or C-W	H-S or C-C	H-O or C-NW	Primary
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0	0	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.480541	0.029898	0.145962	0.133853	0.023791	0.005025	0.012238	0.156969	0.001786	0.002002	0.006069	0.001023	0.000844

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Leprino-Lemoore Stone Ranch Effluent Discharge Pipeline - Kings County, Annual

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

Land Use	NaturalGas Use kBtu/yr	tons/yr										MT/yr						
		CO2	CO	NOx	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

Land Use	NaturalGas Use kBtu/yr	tons/yr										MT/yr						
		CO2	CO	NOx	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**5.3 Energy by Land Use - Electricity**

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2				CO2e
		CH4	N2O	MT/yr		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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Mitigated

Land Use	Electricity Use kWh/yr	Total CO2				CO2e
		CH4	N2O	MT/yr		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Leprino-Lemoore Stone Ranch Effluent Discharge Pipeline - Kings County, Annual

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
Mitigated	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	2.0000e-005
MT/yr																	

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
MT/yr																

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	2.0000e-005	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005	2.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

Category	Total CO2e			
	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pipeline - Kings County, Annual

**8.2 Waste by Land Use**

Unmitigated

Land Use	Waste Disposed tons	MT/yr			
		Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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Mitigated

Land Use	Waste Disposed tons	MT/yr			
		Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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### 10.0 Stationary Equipment

#### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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#### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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#### User Defined Equipment

Equipment Type	Number
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### 11.0 Vegetation





## **Appendix B2**

### **CalEEMod Output for Proposed Project Construction**

#### **Pump Station Installation**



Leprino-Lemoore Stone Ranch Effluent Discharge\_Pump Station - Kings County, Annual

**Leprino-Lemoore Stone Ranch Effluent Discharge\_Pump Station**  
Kings County, Annual

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.07	0.00	0

**1.2 Other Project Characteristics**

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	37
Climate Zone	3			Operational Year	2019

Utility Company Pacific Gas & Electric Company

CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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**1.3 User Entered Comments & Non-Default Data**

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pump Station - Kings County, Annual

Project Characteristics -

Land Use - User defined unit = 1 pump station

Construction Phase - Total working days were provided by QK: 30 days for pump station installation.

Off-road Equipment -

Off-road Equipment - QK provided the equipment list: 1 excavator, 1 front end loader, 1 dump truck (bottom dump or regular), and 1 water truck.  
Trips and VMT - QK provided # of workers: 3 for the pump station. Plus water truck and material deliveries (vendors), and gravel delivery (hauling).

On-road Fugitive Dust - 40 feet of the trip is on unpaved surface.

Grading - 37 cy excavated; 76 cy replaced (including soil and top layer of gravel).

Vehicle Trips -

Road Dust -

Energy Use - 150 hp pump x 0.746 kW/hp x 8,760 hr/yr = 980,244 kWh/yr

Construction Off-road Equipment Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pump Station - Kings County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	1.00	30.00
tblEnergyUse	NT24E	0.00	980,244.00
tblGrading	MaterialExported	0.00	37.00
tblGrading	MaterialImported	0.00	76.00
tblLandUse	LotAcreage	0.00	0.07
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	99.90
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	14.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	10.00	6.00

2.0 Emissions Summary

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pump Station - Kings County, Annual

**2.1 Overall Construction**

**Unmitigated Construction**

Year	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2018	0.0324	0.3415	0.2168	5.4000e-004	1.6400e-003	0.0142	0.0159	4.0000e-004	0.0131	0.0135	0.0000	49.6009	49.6009	0.0150	0.0000	49.9749
Maximum	0.0324	0.3415	0.2168	5.4000e-004	1.6400e-003	0.0142	0.0159	4.0000e-004	0.0131	0.0135	0.0000	49.6009	49.6009	0.0150	0.0000	49.9749

**Mitigated Construction**

Year	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2018	0.0324	0.3415	0.2168	5.4000e-004	1.6400e-003	0.0142	0.0159	4.0000e-004	0.0131	0.0135	0.0000	49.6009	49.6009	0.0150	0.0000	49.9748
Maximum	0.0324	0.3415	0.2168	5.4000e-004	1.6400e-003	0.0142	0.0159	4.0000e-004	0.0131	0.0135	0.0000	49.6009	49.6009	0.0150	0.0000	49.9748

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pump Station - Kings County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

**2.2 Overall Operational  
Unmitigated Operational**

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Area	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>

Leprino-Lemoore Stone Ranch Effluent Discharge\_Pump Station - Kings County, Annual

**2.2 Overall Operational**

**Mitigated Operational**

Category	tons/yr											MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Area	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste																	
Water																	
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>

Percent Reduction	ROG		NOx		CO		SO2		PM10		PM2.5		Bio-CO2		NBio-CO2		Total CO2		CH4		N2O		CO2e	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pump Station Installation	Site Preparation	10/1/2018	11/9/2018	5	30	

Acres of Grading (Site Preparation Phase): 0



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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating - sqft)

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pump Station Installation	Concrete/Industrial Saws	0	8.00	81	0.73
Pump Station Installation	Excavators	1	8.00	158	0.38
Pump Station Installation	Graders	0	8.00	187	0.41
Pump Station Installation	Off-Highway Trucks	2	8.00	402	0.38
Pump Station Installation	Rubber Tired Dozers	0	1.00	247	0.40
Pump Station Installation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pump Station Installation	4	6.00	2.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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**3.2 Pump Station Installation - 2018**

**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0315	0.3356	0.2102	5.2000e-004		0.0142	0.0142	0.0130	0.0130	0.0130	0.0000	47.5128	47.5128	0.0148	0.0000	47.8826
<b>Total</b>	<b>0.0315</b>	<b>0.3356</b>	<b>0.2102</b>	<b>5.2000e-004</b>	<b>1.0000e-005</b>	<b>0.0142</b>	<b>0.0142</b>	<b>0.0130</b>	<b>0.0130</b>	<b>0.0130</b>	<b>0.0000</b>	<b>47.5128</b>	<b>47.5128</b>	<b>0.0148</b>	<b>0.0000</b>	<b>47.8826</b>

**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	4.0000e-005	1.2600e-003	1.7000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.3116	0.3116	3.0000e-005	0.0000	0.3123
Vendor	1.6000e-004	4.0000e-003	9.0000e-004	1.6000e-005	4.4000e-004	3.0000e-005	4.7000e-004	8.0000e-005	3.0000e-005	1.1000e-004	0.0000	0.7725	0.7725	1.0000e-004	0.0000	0.7749
Worker	6.9000e-004	6.1000e-003	5.5000e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0040	1.0040	4.0000e-005	0.0000	1.0051
<b>Total</b>	<b>8.9000e-004</b>	<b>5.8700e-003</b>	<b>5.5700e-003</b>	<b>2.0000e-005</b>	<b>1.6300e-003</b>	<b>5.0000e-005</b>	<b>1.6700e-003</b>	<b>4.0000e-004</b>	<b>4.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>2.0881</b>	<b>2.0881</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.0923</b>

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**3.2 Pump Station Installation - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0315	0.3356	0.2102	5.2000e-004	0.0142	0.0142	0.0142	0.0130	0.0130	0.0130	0.0000	47.5127	47.5127	0.0148	0.0000	47.8825	
<b>Total</b>	<b>0.0315</b>	<b>0.3356</b>	<b>0.2102</b>	<b>5.2000e-004</b>	<b>1.0000e-005</b>	<b>0.0142</b>	<b>0.0142</b>	<b>0.0130</b>	<b>0.0130</b>	<b>0.0130</b>	<b>0.0000</b>	<b>47.5127</b>	<b>47.5127</b>	<b>0.0148</b>	<b>0.0000</b>	<b>47.8825</b>	

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**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Hauling	4.0000e-005	1.2800e-003	1.7000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.3116	0.3116	3.0000e-005	0.0000	0.3123
Vendor	1.6000e-004	4.0000e-003	9.0000e-004	1.0000e-005	4.4000e-004	3.0000e-005	4.7000e-004	3.0000e-005	3.0000e-005	1.1000e-004	0.0000	0.7725	0.7725	1.0000e-004	0.0000	0.7749
Worker	6.9000e-004	6.1000e-004	5.5000e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0040	1.0040	4.0000e-005	0.0000	1.0051
<b>Total</b>	<b>8.9000e-004</b>	<b>5.8700e-003</b>	<b>6.5700e-003</b>	<b>2.0000e-005</b>	<b>1.6300e-003</b>	<b>5.0000e-005</b>	<b>1.6700e-003</b>	<b>4.0000e-004</b>	<b>4.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>2.0881</b>	<b>2.0881</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.0923</b>

**4.0 Operational Detail - Mobile**

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4.1 Mitigation Measures Mobile

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles						Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by			
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0			

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.480541	0.029898	0.145962	0.133853	0.023791	0.005025	0.012238	0.156969	0.001786	0.002002	0.006669	0.001023	0.000844

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr											MT/yr					
Electricity Mitigated						0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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**5.2 Energy by Land Use - NaturalGas**

Unmitigated

Land Use	NaturalGas Use	tons/yr										MT/yr						
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

Land Use	NaturalGas Use	tons/yr										MT/yr						
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**5.3 Energy by Land Use - Electricity**

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
Mitigated	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	2.0000e-005
MT/yr																	

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
MT/yr																



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6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
tons/yr																	
Architectural Coating	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	2.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>
MT/yr																	

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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**7.2 Water by Land Use**

Mitigated

Land Use	Mgal	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0.70		0.0000	0.0000	0.0000	0.0000
<b>Total</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

Category/Year	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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**8.2 Waste by Land Use**

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

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**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**



## **Appendix C**

### **GHG Emission Calculations for Proposed Project Operation**





**Table C-1. GHG Emissions Associated with Proposed Project Operation**

Source	Pump Size (hp) <sup>a</sup>	Power Use (MWh/yr) <sup>b</sup>	Emission Factor (lb/MWhr) <sup>c</sup>			Emission Rate (MT/yr)			
			CO2	CH4	N2O	CO2	CH4	N2O	CO2e <sup>d</sup>
Pump Station Electricity Consumption (CEQA) <sup>e</sup>	150	980.2	641.35	0.029	0.006	285.2	0.01	0.003	286.3

Notes:

- a. The pump station would contain two pumps, rated at 150 hp each. Only one pump would operate at a time.
- b. Assume continuous pump operation at 150 hp.
- c. The emission factors were obtained from CalEEMod for PG&E.
- d. CO2e is carbon dioxide equivalent, calculated using global warming potentials (GWPs) from the 2007 IPCC's Fourth Assessment Report (AR4) and consistent with CalEEMod.2016.3.2. The GWPs for CH4 and N2O are 25 and 298, respectively.
- e. The pump station would not be part of the proposed Federal Action; therefore, the operational GHG emissions are subject only to CEQA.



**APPENDIX B**  
**BIOLOGICAL ANALYSIS REPORT**



# BIOLOGICAL ANALYSIS REPORT

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## CITY OF LEMOORE COMBINED EFFLUENT DISCHARGE TO THE STONE RANCH



JULY 2018

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# BIOLOGICAL ANALYSIS REPORT

## CITY OF LEMOORE COMBINED EFFLUENT DISCHARGE TO THE STONE RANCH

### **Prepared for:**

City of Lemoore  
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July 2018





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## **EXECUTIVE SUMMARY**

QK conducted a biological survey and prepared this Biological Analysis Report (BAR) in support of the City of Lemoore (City) Combined Effluent Discharge to the Stone Ranch Pipeline Project (Project). Relevant technical documents and agency-maintained databases were reviewed to obtain existing information on biological resources near the Project and biological conditions throughout the Project site were assessed during an on-site examination. The results of the desktop research and field surveys are summarized in this BAR.

The Project is in Kings County, California, approximately 3 miles southwest of Lemoore, approximately 0.5 miles west of the Kings River, immediately east of Lemoore Naval Air Station. This linear Project crosses State Route (SR) 198 north of Jackson Avenue and runs approximately 4.5 miles in a generally north-south direction. The Project is a proposed pipeline to convey treated effluent for beneficial reuse from the City of Lemoore's Wastewater Treatment Plant and two Leprino Foods' facilities. The treated combined effluent will be used for the irrigation of feed and fodder crops at the Stone Ranch facility located west of Lemoore and east of Lemoore Naval Air Station. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation of agricultural crops. Transport of the treated effluent to the Ranch will be by an 18" or 24" pressure pipe connected to an existing City effluent pipeline at Jackson Avenue just west of the Kings River. A pump station will be located just north of Jackson Avenue and south of State Route 198. It will transport approximately 4.5 acre-feet per day of combined effluent through the new pipeline. A portion of the pipeline will be laid on or under an existing little-used drainage ditch and adjacent to or under a culvert under 198. Most of the pipeline will be installed under existing gravel farm roads, but approximately the northernmost mile of the road is not surfaced. A portion of the pipeline will cross a cultivated field and will not follow an existing road.

A review of agency databases was conducted in June 2018 to obtain information on the occurrences of natural communities and special-status species documented within the USGS 7.5-minute quadrangles that encompass the Project. Because parts of the Project are within both the Vanguard and Lemoore quadrangles, information was requested from twelve quadrangles. A reconnaissance-level field survey of the Project and a 500-foot buffer surrounding it was conducted on June 14, 2018. This survey focused on determining the locations and extent of vegetation communities and the potential for occurrences of sensitive plant and wildlife species within the Project. Meandering 100-foot transects were used on natural, ruderal or undeveloped lands. The survey intensity was increased in less disturbed areas of more natural habitats and in other areas that were better suited to support listed species. A "windshield" survey was conducted in areas dominated by cultivated, recently disked, and developed land. Current land uses within the Project were documented along with the presence of all plants, wildlife, and wildlife sign (scat, burrows, feather, tracks, etc.). A partial waters and wetlands delineation was conducted concurrently with the field survey on June 14, 2018. An irrigation ditch within Project boundaries, an irrigation ditch adjacent to the Project, and three wetlands/riparian areas within the Project buffer were delineated

to United States Army Corps of Engineers (ACOE) standards using an iPad combined with an EOS Arrow 100 GNSS GPS Receiver that is capable of sub-meter spatial accuracy. Additional irrigation ditches near the Project were mapped by digitizing boundaries from aerial photography. The mapping effort is sufficient for an evaluation of Project impacts, but additional on-site work may be needed to meet ACOE standards for those features that were digitized from aerial photographs.

The Project site is dominated by intensive agriculture areas. There are nearby low-density rural residential and military housing. The Project crosses through approximately 200 feet of Valley Sink Scrub habitat, which is a sensitive natural community. That area is south of SR 198, west of the Kings River, and north of Jackson Avenue. No special-status plants were observed during the field survey. There is habitat on the Project site to support eight special-status plant species. All but one of these plant species would only be present in the small, approximately 200-foot-long, area of Valley Sink Scrub that occurs on the Project site. It is unlikely that any of these species occur in that limited area. The other species that could be present would occur in wetted areas of dirt-lined canals and ditches, but that species would be unlikely to occur because of the routine maintenance that occurs in those areas.

There is habitat on or near the Project site that could support fourteen special-status wildlife species, but there are only eleven of these special-status wildlife species that have the potential to be affected by the Project. There was a sighting of the loggerhead shrike (*Lanius ludovicianus*), a California Species of Special Concern, and there was one potential San Joaquin kit fox (*Vulpes macrotis mutica*) den observed. There were no other special-status wildlife species or diagnostic signs of special status wildlife species observed, but the western spadefoot (*Spea hammondi*), San Joaquin coachwhip (*Masticophis flagellum ruddocki*), giant garter snake (*Thamnophis gigas*), western pond turtle (*Emys marmorata*), tri-colored blackbird (*Agelaius tricolor*), western burrowing owl (*Athene cunicularia*), Swainson's hawk (*Buteo swainsoni*), yellow-headed blackbird (*Xanthocephalus xanthocephalus*), and American badger (*Taxidea taxus*) could be present from time to time.

Most of the potentially occurring plant and wildlife species would only occur in the southernmost portion of the Project where the pipeline would be constructed under an existing ditch and across a small, 200-foot-long, area of Valley Sink Scrub habitat.

There is no U.S. Fish and Wildlife Service Critical habitat, wildlife and fisheries movement corridors, or linkages that would be impacted by the Project. There are no federal waters that would be impacted by the Project but there is an estimated 1.03 acres of State waters that would be impacted by the Project. The Project would not conflict with local policies and ordinances nor would the Project conflict with existing Habitat Conservation Plans, Natural Community Conservation Plans, or Recovery Plans.

Mitigation measures are included that would ensure that potentially significant impacts of the Project are reduced to levels that are less than significant.

## **SECTION 1 - INTRODUCTION**

Quad Knopf, Inc. (QK) conducted a biological survey and prepared this Biological Analysis Report (BAR) in support of the City of Lemoore (City) Combined Effluent Discharge to the Stone Ranch Pipeline Project (Project). Relevant technical documents and agency-maintained databases were reviewed to obtain existing information on biological resources near the Project, and biological conditions throughout the Project site were assessed during an on-site examination. The results of the desktop research and field surveys are summarized in this BAR, which provides the technical basis for the analysis of potential impacts to biological resources that may result from the construction, operation, and maintenance of the Project. This document provides Project-specific information and impact analysis that is necessary for the development of a California Environmental Quality Act (CEQA) report.

### **1.1 - Project Location**

The Project is in Kings County, California, approximately 3 miles southwest of Lemoore, approximately 0.5 miles west of the Kings River, immediately east of Lemoore Naval Air Station, (Figures 1-1 and 1-2). This linear Project crosses State Route (SR) 198 north of Jackson Avenue and runs approximately 4.5 miles in a generally north-south direction through Sections 2, 11, 12, 13, 24, and 25, in the eastern portion of Township 19 South, Range 19 East, Mount Diablo Base and Meridian. The northern terminus of the Project is in the southwest quarter of the northwest quarter of Section 2, and the southern terminus is in the northwest quarter of the northeast corner of Section 25. The Project is in both the southeast quarter of the Lemoore United States Geological Survey (USGS) 7.5-minute topographical quadrangle and the southwest corner of the Vanguard USGS topographical quadrangle.

### **1.2 - Project Description**

The Project is a proposed pipeline to convey treated effluent for beneficial reuse from the City of Lemoore's Wastewater Treatment Plant and two Leprino Foods process wastewater treatment facilities. The treated combined effluent will be used for the irrigation of feed and fodder crops at the Stone Ranch facility located west of Lemoore and east of Lemoore Naval Air Station. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation.


The Stone Ranch has operated as an agricultural enterprise since 1984. Existing infrastructure at the site consists of irrigation ditches, subsurface interceptor drains, evaporation basins, a subsurface drainage system, irrigation wells, and tailwater ditches.

Transport of the treated effluent to the Ranch will be by an 18" or 24" pressure pipe connected to an existing City effluent pipeline at Jackson Avenue just west of the Kings River. A pump station located just north of Jackson Avenue and south of State Route 198 will transport approximately 4.5 acre-feet per day of combined effluent through the new







 **Figure 1-2  
Vicinity Map**

pipeline. A portion of the pipeline will be laid under an existing little-used drainage ditch and adjacent to or under a culvert under 198. Most of the pipeline will be installed under existing gravel farm roads, but approximately the northernmost mile of the road is not surfaced. A portion of the pipeline will cross a cultivated field and will not follow an existing road.

### **1.3 - Purpose, Goals, and Objectives**

This BAR provides information about the condition and sensitivity of natural resources currently existing on and adjacent to the Project site. The occurrence of sensitive natural communities and special-status species that are known to occur on and adjacent to the Project site are provided, based upon available historic records and data collected during on-site field surveys. The purpose of this BAR is to provide site-specific information and an evaluation of Project impacts that would be used for the preparation of Project environmental documentation and evaluation pursuant to the California Environmental Quality Act (CEQA). The Project is subject to discretionary approvals by the City of Lemoore City Council, and the City will act as the CEQA lead agency. This BAR provides the substantial evidence upon which the required evaluation of feasibility, environmental analysis, and findings of fact in relation to biological resources can be made.

The environmental analysis of the Project does not include existing activities at the Stone Ranch, because the existing irrigation system and operations will remain unchanged except that some currently produced well water will be replaced by the combined effluent. The analysis does include the installation of the pump station and the total pipeline length.

## **SECTION 2 - ENVIRONMENTAL SETTING**

This section identifies the regional environmental setting of the Project and describes baseline conditions. The setting is described in the context of the following subject areas:

- Topography
- Climate
- Land Use
- Soils
- Hydrology, and
- General Biological Conditions

### **2.1 - Topography**

The Project and surrounding land are relatively flat and exhibit little topographic variation (Figure 2-1). The surrounding land exhibits a gentle slope from west to east ending in the banks of the Kings River. The portion of the Kings River adjacent to the Project site connects Fresno Slough to the now-dry Tulare Lake.

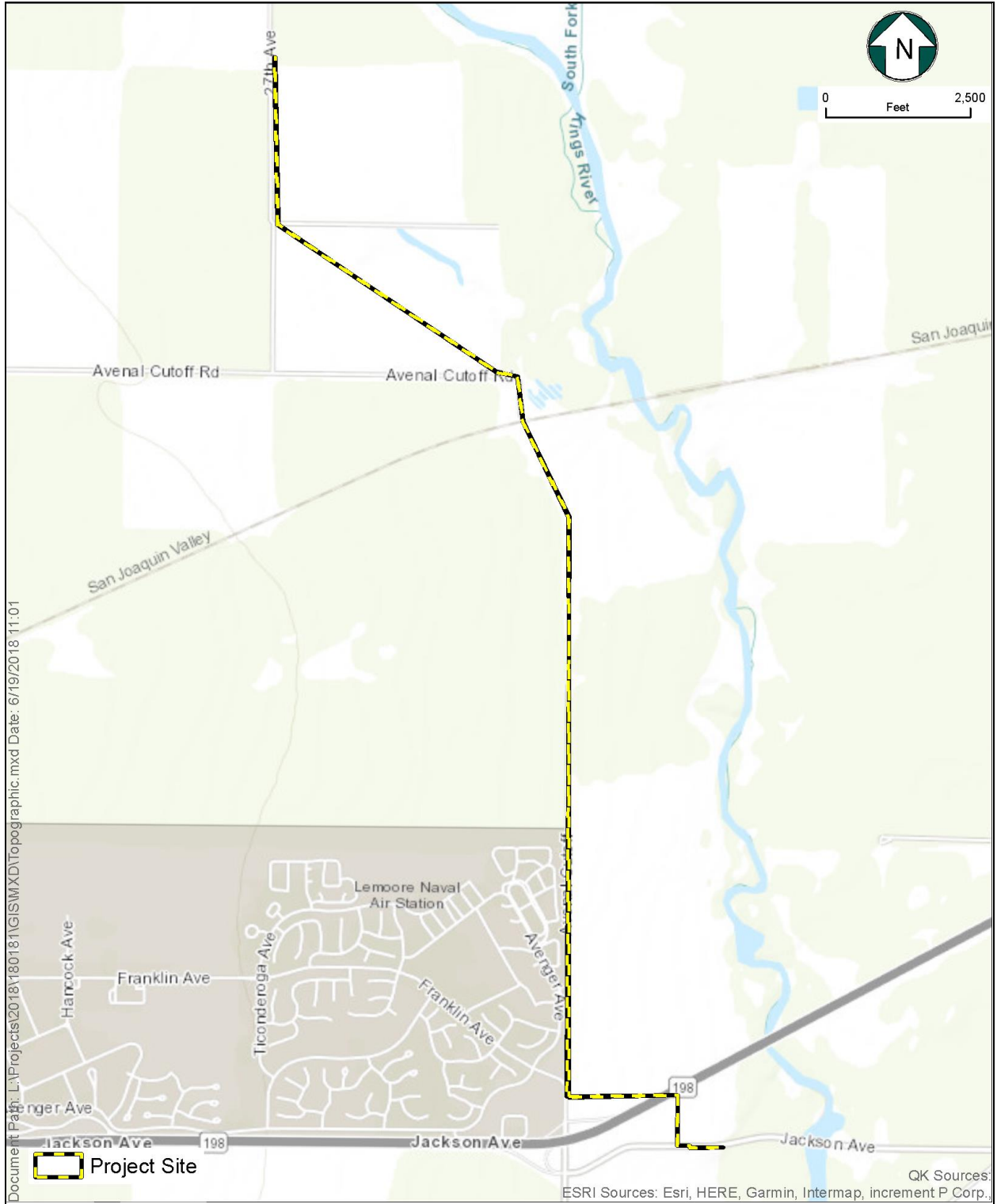
### **2.2 - Climate**


The hot and dry summers of the region, contrasting with the cool and wet winters, are characteristic of a Mediterranean-type climate. The southwestern San Joaquin Valley is in the rain shadow of the Coast Range, which creates semiarid conditions. The nearest weather station is in Westhaven approximately 8 miles southwest of the Project, which measures an average of 7.15 inches of precipitation annually (Cooperative Observer Program ID: 049560) (WRCC 2017). Over 90% of precipitation falls between October and April (inclusive). The majority of this will fall as rain, with snowfall being extremely rare. Dense fog is common in the winter. The highest monthly average maximum temperature is 102 degrees Fahrenheit (F) in July, and the lowest monthly average minimum temperature is 35 degrees F in December. The arid conditions, extreme heat, and variable precipitation create a harsh and unpredictable environment for plants and wildlife.

### **2.3 - Land Use**

The Project and surrounding land consists mostly of agricultural and ruderal fields in a matrix of dirt and gravel roads and irrigation ditches. Many irrigation ditches exist near the Project, and in one area pipeline will be laid under an existing ditch. Agriculture near the Project consists of young pistachio orchards and row crops including tomato, alfalfa, and cotton.

Lemoore Naval Air Station is adjacent to part of the southern section of the Project. Nearby parts of the Air Station consist of an entry point, developed housing and a recreational park. Non-military developments in the area include rural residences, sumps, duck club ponds, and a small solar installation.



 **Figure 2-1**  
**Topographic Vicinity Map**

While most of the land near the Project is developed or has been disked, small amounts of undeveloped wetlands, riparian forest, and Valley Sink Scrub exist east of the Project near the Kings River.

## **2.4 - Soils**

Soils underlying the Project consist almost entirely of Lethent Clay Loam, with small sections of Gepford Clay on the northern and southern ends of the Project and a small section of Tulare Clay at the extreme southeastern tip (Figure 2-2).

## **2.5 - Hydrology**

Almost all of the Project is situated within a Federal Emergency Management Agency (FEMA) area of minimal flood hazard (Figure 2-3). Small sections in the extreme north and south ends of the Project fall within FEMA areas of 0.2% and 1% annual chance of flood hazard. Although the Kings River and several associated water features occur near the Project, only canal ditches and artificial waterways cross or are immediately adjacent to the Project (Figure 2-4).

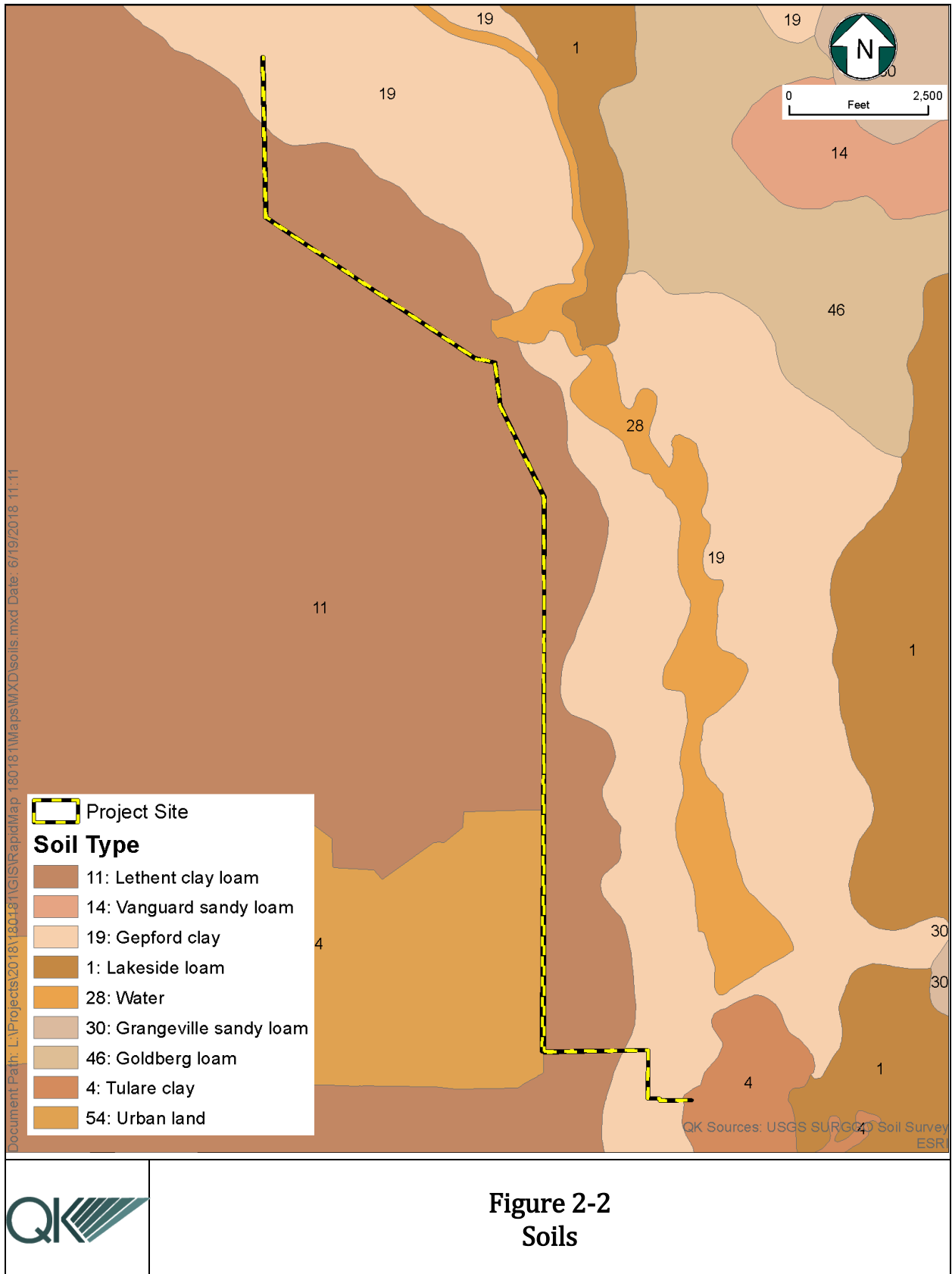
## **2.6 - General Biological Conditions**

Biological conditions vary along the course of the approximately 4.5-mile long project. Much of the land is covered by orchards, row crops, developed land in the Lemoore Naval Air Station, or ruderal vegetation in previously disked fields. Some wetlands, riparian trees, and saltbush scrub remain near the Kings River.

There were 37 species of plants identified near the Project site (Table 2-1). Agricultural land near the Project includes row crops of tomato (*Solanum lycopersicum*), alfalfa (*Medicago satvia*), and cotton (*Gossypium hirsutum*), and young pistachio (*Pistachia vera*) orchards. Developed land in the Lemoore Naval Air Station contains blue gum eucalyptus (*Eucalyptus globulus*) and a variety of ornamental plants.

Wetlands near the Project are dominated by broadleaf cattails (*Typha latifolia*) and tule rush (*Schoenoplectus acutus*) with scattered willow (*Salix* sp.) and valley oak (*Quercus lobata*) trees and smaller amounts of narrow leaf milkweed (*Asclepias fascicularis*). Water plants such as water fern (*Azolla* sp.) and six petal water primrose (*Ludwigia hexapetala*) were found in the Kings River and in canals. A small area near the southern end of the Project is disturbed saltbush scrub which contains pickleweed (*Allenrolfea occidentalis*) and small amounts of red brome (*Bromus madritensis*).

A variety of animal species, primarily birds, were identified near the Project site (Table 2-1). Cliff swallows (*Petrochelidon pyrrhonota*) were the most common species observed, followed by red-winged blackbirds (*Agelaius phoeniceus*), western kingbirds (*Tyrannus verticalis*), and house sparrows (*Passer domesticus*). These species are typically present in areas of agricultural and light residential development of the San Joaquin Valley.



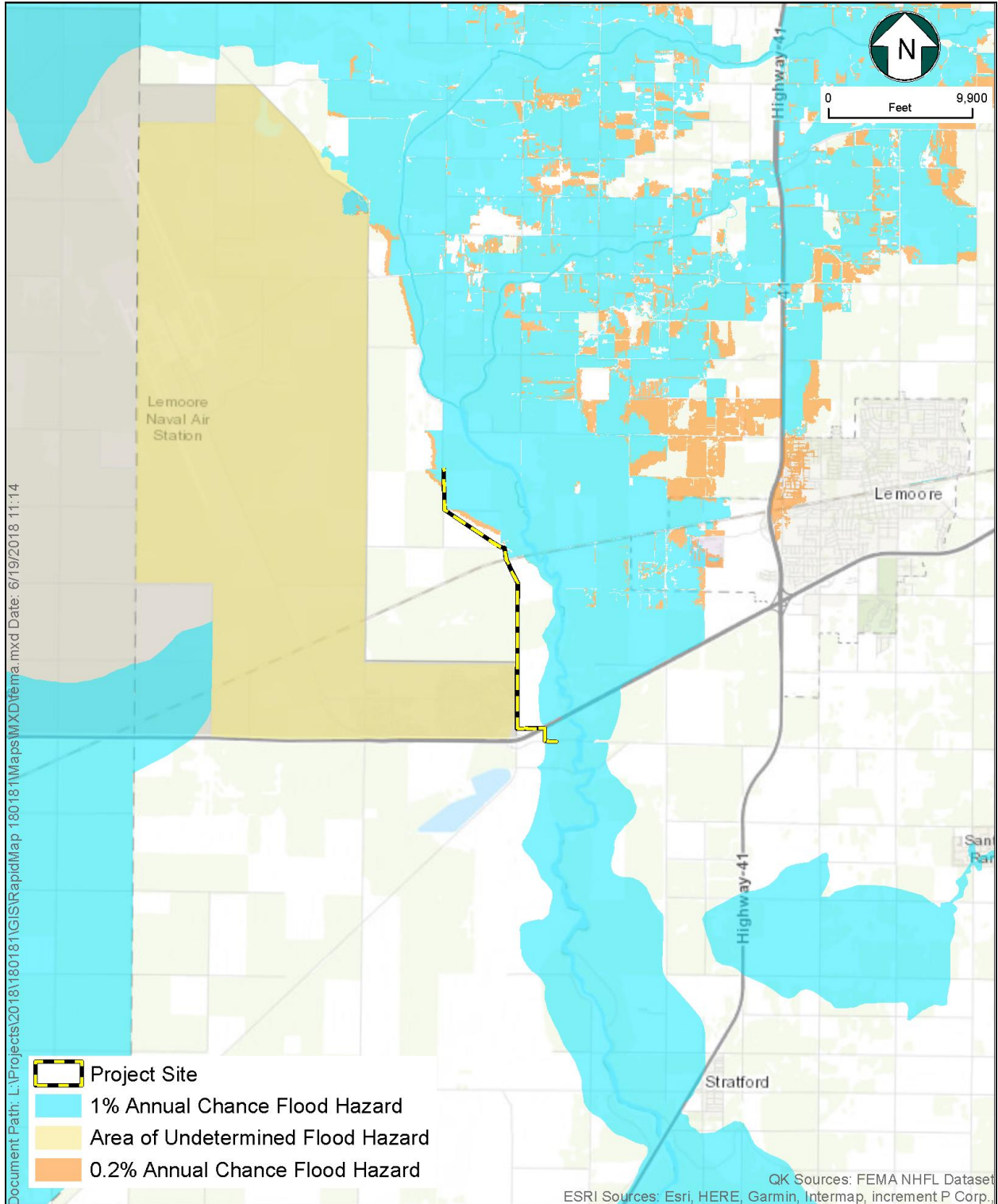
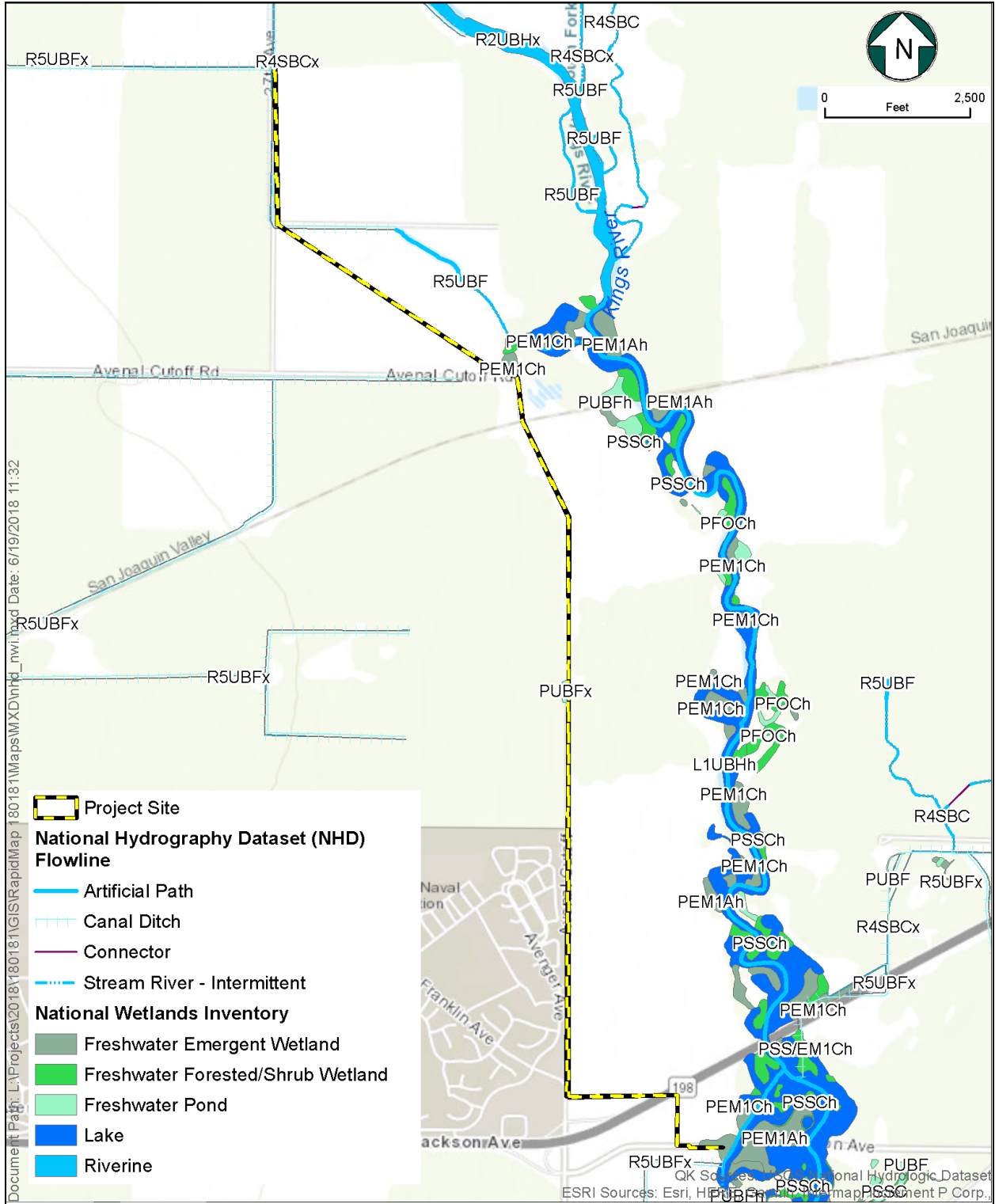


Figure 2-3  
FEMA Flood Zones



**Figure 2-4  
National Wetlands Inventory Map**



**Table 2-1  
Common Plant and Wildlife Species Observed on the Leprino Foods/City of Lemoore  
Combined Effluent Discharge to the Stone Ranch, Kings County, California**

Scientific Name	Common Name
<b>Plants</b>	
<i>Acmispon americanus</i>	Spanish lotus
<i>Aira caryophylla</i>	silver hairgrass
<i>Allenrolfea occidentalis</i>	iodine bush
<i>Arundo dondax</i>	arundo
<i>Asclepias fascicularis</i>	narrow leaf milkweed
<i>Atriplex polycarpa</i>	allscale saltbush
<i>Azolla sp.</i>	water fern
<i>Bromus madritensis</i>	red brome
<i>Cephalanthus occidentalis</i>	buttonwillow
<i>Cynodon dactylon</i>	Bermuda grass
<i>Echinochloa crus-galli</i>	barnyard grass
<i>Eucalyptus globulus</i>	blue gum eucalyptus
<i>Festuca perennis</i>	Italian wild rye
<i>Gossypium hirsutum</i>	cotton
<i>Helianthus annuus</i>	common sunflower
<i>Heliotropium curassavicum</i>	salt heliotrope
<i>Lactuca serriola</i>	prickly wild lettuce
<i>Ludwigia hexapetala</i>	six petal water primrose
<i>Malvella leprosa</i>	alkali mallow
<i>Marrubium vulgare</i>	horehound
<i>Medicago satvia</i>	alfalfa
<i>Jugulans sp.</i>	walnut
<i>Juncus sp.</i>	rush
<i>Parkinsonia aculeata</i>	palo verde
<i>Pistachia vera</i>	pistachio
<i>Quercus lobata</i>	valley oak
<i>Rumex crispus</i>	curly dock
<i>Salix sp.</i>	willow
<i>Salsola tragus</i>	Russian thistle
<i>Sambucus nigra</i>	black elderberry
<i>Schoenoplectus acutus</i>	tule rush
<i>Silybum marianum</i>	milk thistle
<i>Solanum lycopersicum</i>	tomato
<i>Tribulus terrestris</i>	puncturevine
<i>Typha latifolia</i>	broadleaf cattail
<i>Urtica dioica</i>	stinging nettle
<i>Veronica peregrina</i>	neckweed
<b>Amphibians</b>	
<i>Lithobates catesbeianus</i>	bullfrog

Scientific Name	Common Name
<b>Reptiles</b>	
<i>Uta stansburiana</i>	side-blotched lizard
<b>Birds</b>	
<i>Agelaius phoeniceus</i>	red-winged blackbird
<i>Anas platyrhynchos</i>	mallard
<i>Aphelocoma californica</i>	California scrub jay
<i>Ardea Herodias</i>	great blue heron
<i>Buteo jamaicensis</i>	red-tailed hawk
<i>Buteo swainsoni</i>	Swainson's hawk
<i>Charadrius vociferous</i>	killdeer
<i>Chordeiles acutipennis</i>	lesser nighthawk
<i>Euphagus cyanocephalus</i>	Brewer's blackbird
<i>Falco sparverius</i>	American kestrel
<i>Fulica americana</i>	American coot
<i>Gallinula galeata</i>	common gallinule
<i>Haemorhous mexicanus</i>	house finch
<i>Hirundo rustica</i>	barn swallow
<i>Lanius ludovicianus</i>	loggerhead shrike
<i>Mimus polyglottus</i>	northern mockingbird
<i>Passer domesticus</i>	house sparrow
<i>Petrochelidon pyrrhonota</i>	cliff swallow
<i>Sayornis nigricans</i>	black phoebe
<i>Streptopelia decaocto</i>	Eurasian collared-dove
<i>Tyrannus verticalis</i>	western kingbird
<i>Zenaida macroura</i>	mourning dove
<b>Mammals</b>	
<i>Canis latrans</i> *	coyote*
<i>Felis silvestris</i>	domestic/feral cat
<i>Otospermophilus beechyi</i>	California ground squirrel

\*indicates sign (i.e. scat, tracks, prey remains, dens, etc.) was observed.

## **SECTION 3 - REGULATORY SETTING**

### **3.1 - Applicable Federal Regulations**

#### **3.1.1 - FEDERAL ENDANGERED SPECIES ACT OF 1973 (USC, TITLE 16, SECTIONS 1531 - 1543)**

The federal Endangered Species Act (FESA) and subsequent amendments provide guidance for the conservation of endangered and threatened species and the ecosystems upon which they depend. The FESA defines species as threatened or endangered and provides regulatory protection for listed species. The FESA provides a program for the conservation and recovery of threatened and endangered species as well as the protection of designated critical habitat that USFWS determines is required for the survival and recovery of listed species.

Section 9 lists actions that are prohibited under the FESA. Although take of a listed species is prohibited, it is allowed when it is incidental to an otherwise legal activity. Section 9 prohibits take of listed species of fish, wildlife, and plants without special exemption. The definition of “harm” includes significant habitat modification or degradation that results in death or injury to listed species by significantly impairing behavioral patterns related to breeding, feeding, or shelter. “Harass” is defined as actions that create the likelihood of injury to listed species by disrupting normal behavioral patterns related to breeding, feeding, and shelter significantly.

Section 7 of the FESA requires federal agencies, in consultation with and assistance from the Secretary of the Interior or the Secretary of Commerce, as appropriate, to ensure that actions they authorize, fund, or carry out are not likely to jeopardize the continued existence of threatened or endangered species or result in the destruction of adverse modification of critical habitat for these species. The USFWS and National Marine Fisheries Service (NMFS) share responsibilities for administering the FESA. Regulations governing interagency cooperation under Section 7 are found in California Code of Regulations (CCR) Title 50, Part 402. If an activity could result in "take" of a listed species as an incident of an otherwise lawful activity, then a biological opinion can be issued with an incidental take statement that exempts the activity from FESA's take prohibitions. The Project lacks federal funding or any other nexus to federal jurisdiction, and Section 7 does not apply.

Section 10 provides a means whereby a nonfederal action with the potential to result in take of a listed species can be allowed under an incidental take permit. Application procedures are found at CFR Title 50, Sections 13 and 17 for species under the jurisdiction of USFWS and CFR, Title 50, Sections 217, 220, and 222 for species under the jurisdiction of NMFS. Section 10 would apply to the Project if take of a species (as defined in Section 9) were determined to occur.

Section 4(a)(3) and (b)(2) of the FESA requires the designation of critical habitat to the maximum extent possible and prudent based on the best available scientific data and after considering the economic impacts of any designations. Critical habitat is defined in section 3(5)(A) of the FESA: 1) areas within the geographic range of a species that are occupied by

individuals of that species and contain the primary constituent elements (physical and biological features) essential to the conservation of the species, thus warranting special management consideration or protection; and 2) areas outside of the geographic range of a species at the time of listing but that are considered essential to the conservation of the species.

### **3.1.2 - MIGRATORY BIRD TREATY ACT (USC, TITLE 16, SECTIONS 703 - 711)**

The MBTA, first enacted in 1918, is a series of treaties that the United State has with Great Britain (on behalf of Canada), Mexico, Japan, and the former Soviet Union that provide for international migratory bird protection. The MBTA authorizes the Secretary of the Interior to regulate the taking of migratory birds. The act provides that it shall be unlawful, except as permitted by regulations, “to pursue, take, or kill any migratory bird, or any part, nest or egg of any such bird” (U.S. Code Title 16, Section 703). The MBTA currently includes several hundred species and includes all native birds.

### **3.1.3 - BALD AND GOLDEN EAGLE PROTECTION ACT OF 1940 (USC, TITLE 16, SECTION 668)**

The Bald and Golden Eagle Protection Act (BGEPA) of 1940 protects bald eagles (*Haliaeetus leucocephalus*) and golden eagle (*Aquila chrysaetos*) by prohibiting the taking, possession, and commerce of these species and establishes civil penalties for violation of this act. Take of bald and golden eagles includes to “pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb.” To disturb means to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior. (Federal Register [FR], volume 72, page 31132; 50 CFR 22.3).

### **3.1.4 - FEDERAL CLEAN WATER ACT (USC, TITLE 33, SECTIONS 1521 - 1376)**

The federal Clean Water Act (CWA) provides guidance for the restoration and maintenance of the chemical, physical, and biological integrity of the nation’s waters. Section 401 requires that a Project applicant that is pursuing a federal license or permit allowing a discharge to waters of the U.S. obtain State Certification of Water Quality, thereby ensuring that the discharge will comply with provisions of the CWA. The Regional Water Quality Control Board (RWQCB) administers the certification program in California. Section 402 establishes a permitting system for the discharge of any pollutant (except dredged or fill material) into waters of the U.S. Section 404 establishes a permit program administered by the United States Army Corps of Engineers (USACE) that regulates the discharge of the dredged or fill material into waters of the U.S., including wetlands. The USACA-implementing regulations are found in CFR, Title 33, Sections 320 and 330. Guidelines for implementation are referred to as the Section 404(b)(1) Guidelines, which were developed by the United States Environmental Protection Agency (EPA) in conjunction with USACE (40 CFR 230). The guidelines allow the discharge of dredged or fill material into the aquatic system only if there is no practicable alternative that would have less adverse impacts.

### **3.2 - Applicable State Regulations**

#### **3.2.1 - CALIFORNIA ENVIRONMENTAL QUALITY ACT (CALIFORNIA PUBLIC RESOURCES CODE, SECTIONS 21000 - 21178, AND TITLE 14 CCR, SECTION 753, AND CHAPTER 3, SECTIONS 15000 - 15387)**

The California Environmental Quality Act (CEQA) is California's broadest environmental law. CEQA helps guide the issuance of permits and approval of Projects. Courts have interpreted CEQA to afford the fullest protection of the environment within the reasonable scope of the statutes. CEQA applies to all discretionary Projects proposed to be conducted or approved by a State, County, or City agency, including private Projects requiring discretionary government approval.

The purpose of CEQA is to disclose to the public the significant environmental effects of a proposed discretionary Project; prevent or minimize damage to the environment through development of Project alternatives, mitigation measures, and mitigation monitoring; disclose to the public the agency decision-making process to approve discretionary Projects; enhance public participation in the environmental review process; and improve interagency coordination.

State CEQA Guidelines Section 15380(b) provides that a species not listed on the federal or State list of protected species nonetheless may be considered rare or endangered for purposes of CEQA if the species can be shown to meet certain specified criteria. These criteria have been modeled after the definition in FESA and the section of the California Fish and Game Code dealing with rare or endangered plants or animals.

#### **3.2.2 - CALIFORNIA ENDANGERED SPECIES ACT (CALIFORNIA FISH AND GAME CODE SECTION 2050 ET SEQ.)**

The California Endangered Species Act (CESA) establishes the policy of the State to conserve, protect, restore, and enhance threatened or endangered species and their habitats. The CESA mandates that State agencies should not approve Projects that would jeopardize the continued existence of threatened or endangered species if reasonable and prudent alternatives are available that would avoid jeopardy. For Projects that would result in take of a species listed under the CESA, a Project proponent would need to obtain a take permit under Section 2081(b). Alternatively, the CDFW has the option of issuing a Consistency Determination (Section 2080.1) for Projects that would affect a species listed under both the CESA and the FESA, as long as compliance with the FESA would satisfy the “fully mitigate” standard of CESA, and other applicable conditions.

#### **3.2.3 - PORTER-COLOGNE WATER QUALITY CONTROL ACT**

Under Section 401 of the CWA, the RWQCB must certify that actions receiving authorization under Section 404 of the CWA also meet State water quality standards. The RWQCB regulates waters of the State under the authority of the Porter-Cologne Water Quality Control Act

(Porter Cologne Act). The RWQCB requires Projects to avoid impacts to wetlands whenever feasible and requires that Projects do not result in a net loss of wetland acreage or a net loss of wetland function and values. The RWQCB typically requires compensatory mitigation for impacts to wetlands and/or waters of the State. The RWQCB has jurisdiction over waters deemed 'isolated' or not subject to Section 404 jurisdiction under the Solid Waste Agency of Northern Cook County (SWANCC) decision. Dredging, filling, or excavation of isolated waters constitutes a discharge of waste into waters of the State, and such discharges are authorized through an Order of Waste Discharge (or waiver of discharge) from the RWQCB.

### **3.2.4 - VARIOUS SECTIONS OF THE CALIFORNIA STATE FISH AND GAME CODE**

#### **Sections 1600 through 1616**

Under these sections of the California Fish and Game Code (FGC), a Project proponent or operator is required to notify CDFW prior to any Project that would divert, obstruct, or change the natural flow, bed, channel, or bank of any river, stream, or lake. Pursuant to the California Code of Regulations, a "stream" is defined as a body of water that flows at least periodically or intermittently through a bed or channel having banks and supporting fish or other aquatic life. Based on this definition, a watercourse with surface or subsurface flows that supports or has supported riparian vegetation is a stream and is subject to CDFW jurisdiction. Altered or artificial watercourses valuable to fish and wildlife are subject to CDFW jurisdiction. CDFW also has jurisdiction over dry washes that carry water during storm events. Preliminary notification and Project review generally occur during the environmental process. When an existing fish or wildlife resource may be substantially adversely affected, CDFW is required to propose reasonable Project changes to protect the resource. These modifications are formalized in a Streambed Alteration Agreement.

#### **Sections 3511, 4700, 5050, and 5515**

Protection of fully protected species is described in Sections 3511, 4700, 5050, and 5515 of the FGC. These statutes prohibit take or possession of fully protected species. CDFW is unable to authorize incidental take of fully protected species, except as allowed for in an approved Natural Communities Conservation Plan (NCCP), or through direct legislative action.

#### **Sections 1900 through 1913 - Native Plant Protection Act**

California's Native Plant Protection Act (NPPA) requires all State agencies to use their authority to carry out programs to conserve endangered and rare native plants. Provision of the NPPA prohibit the taking of listed plants from the wild and require notification of CDFW at least ten days in advance of any change in land use. This allows CDFW to salvage listed plant species that otherwise would be destroyed. A Project proponent is required to conduct botanical inventories and consult with CDFW during Project planning to comply with the provisions of this act and sections of CEQA that apply to rare or endangered plants.

## **SECTION 4 - METHODS**

This section discusses the methods used to obtain relevant data on the occurrence, or potential occurrence, of resources on the Project. These included an agency-maintained database search, a literature review, and an on-site survey.

### **4.1 - Literature Review and Database Analysis**

A review of agency databases was conducted in June 2018 to obtain information on the occurrences of natural communities and special-status species documented within the USGS 7.5-minute quadrangles that encompass the Project. Because parts of the Project are within both the Vanguard and Lemoore quadrangles, information was requested from twelve quads. The California Natural Diversity Database (CNDDDB 2018), California Native Plant Society Database (CNPS 2018), and U.S. Fish and Wildlife Service (USFWS) Threatened and Endangered Species List (USFWS 2018a) were reviewed to obtain occurrences of sensitive natural communities, federally-listed species, State-listed species, other species of special concern, and USFWS Critical Habitat Units that have been recorded within the twelve quads surrounding the Project site. To satisfy other standard search criteria, CNDDDB records within a 10-mile radius of the Project site were queried separately from the broader database search.

The CNDDDB provides element-specific spatial information on individual documented occurrences of special-status species and sensitive natural vegetation communities. The CNPS database provides similar information as the CNDDDB, but at a much lower spatial resolution. The USFWS query generates a list of federally protected species known to potentially occur within individual USGS quadrangles. Wildlife species designated as “Fully Protected” by California Fish and Game Code Sections 5515 (Fully Protected Fish), 5050 (Fully Protected reptiles and amphibians), 3511 (Fully Protected birds), and 4700 (Fully Protected mammals) were included on the final list.

Reviews of the National Wetlands Inventory (NWI, USFWS 2018b) and National Hydrology Dataset (NHD 2018) were completed to identify whether wetlands had previously been documented on or adjacent to the Project site. The NWI, which is operated by the USFWS, is a collection of wetland and riparian maps that depicts graphic representations of the type, size, and location of wetland, deep water, and riparian habitats in the United States. In addition to the NWI, regional hydrologic information was obtained from the USGS to evaluate the potential occurrence of blue-line streams within the Project site.

Soils data were obtained from the Natural Resource Conservation District, United States Department of Agriculture (USDA 2018), weather and precipitation data were obtained from the Western Regional Climate Center (WRCC 2018), and land use information was obtained from available aerial imagery. Information about flood-prone areas was obtained from the Federal Emergency Management Agency, Department of Homeland Security (FEMA 2018)

and information on protected lands was obtained from Greeninfo Network (Greeninfo Network 2018).

The results of the database inquiries were subsequently reviewed to extract pertinent information on site conditions and evaluate the potential for sensitive biological resources to occur within or near the Project site. Only those resources with the potential to be present and affected by the Project were included and considered in this document. The potential presence of natural communities and special-status species was based on distributional ranges overlapping the Project site and the presence of habitat and/or primary constituent habitat elements that would support the various species.

## **4.2 - Reconnaissance-level Field Surveys**

QK biologists Alex Single and Dylan Ayers completed a reconnaissance-level field survey of the Project and a 500-foot buffer surrounding it on June 14, 2018. This survey focused on determining the locations and extent of vegetation communities and the potential for occurrences of sensitive plant and wildlife species within the Project (Tables 5-1 and 5-2). QK biologists conducting the survey used two methodologies. Meandering 100-foot transects were used on natural, ruderal or undeveloped lands. The survey intensity was increased in less disturbed areas of more natural habitats and in other areas that were better suited to support listed species. A “windshield” survey was conducted in areas dominated by cultivated, recently disked, and developed land. Current land uses within the Project were documented along with the presence of all plants, wildlife, and wildlife sign (scat, burrows, feather, tracks, etc.). All suitable habitats that could potentially support wildlife within the Project were documented and photographs were taken.

## **4.3 - Focused Field Surveys**

### **4.3.1 - WATERS DELINEATIONS**

Prior to conducting field investigations, a review of the National Wetlands Inventory (USFWS 2015), was completed to determine the historic occurrence of known wetlands on the Project. The NWI is a collection of wetland and riparian maps that depict graphic representations of the type, size, and location of wetland, deep water, and riparian habitats in the United States. The NWI maps were prepared through the analysis of high altitude imagery, collateral data sources, and field work. Given that only one percent, on average, of the NWI is updated each year, its interpretation was accompanied by site-specific surveys. The National Hydrology Dataset (NHD) was referenced to evaluate the historical occurrence of blue-line drainages within the Project.

QK biologists Alex Single and Dylan Ayers conducted a partial waters and wetlands delineation concurrently with the field survey on June 14, 2018. A drainage ditch within Project boundaries, an irrigation ditch adjacent to the Project, and three wetlands/riparian areas within the Project buffer were delineated to United States Army Corps of Engineers (ACOE) standards using an iPad combined with an EOS Arrow 100 GNSS GPS Receiver that is capable of sub-meter spatial accuracy. Additional irrigation ditches near the Project were



mapped by digitizing boundaries from aerial photography. The delineation efforts were sufficient for an evaluation of Project impacts, but additional on-site work may be needed to meet ACOE standards for those features that were digitized from aerial photographs.



## SECTION 5 - RESULTS

The results of the database searches and the evaluations of special-status species occurrence within the Project, as well as specific information gathered during the various field surveys, are presented in this section. These findings are used to support the evaluations of the condition and sensitivity of the natural resources currently existing on and adjacent to the Project site. The analysis of potential impacts of the Project to sensitive natural resources is provided in Section 6.

### 5.1 - Sensitive Natural Communities

Sensitive natural communities are designated by various resource agencies including the CDFW, USFWS, United States Bureau of Land Management (BLM), Forest Service, or are designated by local agencies through policies, ordinances, and regulations. Sensitive natural communities generally have important functions or values for plants and wildlife or are recognized as declining in extent or distribution and warrant some level of protection. One sensitive natural community, Valley Sink Scrub, occurs within and near the Project site.

#### 5.1.1 - RESULTS OF LITERATURE REVIEW AND DATABASE SEARCHES

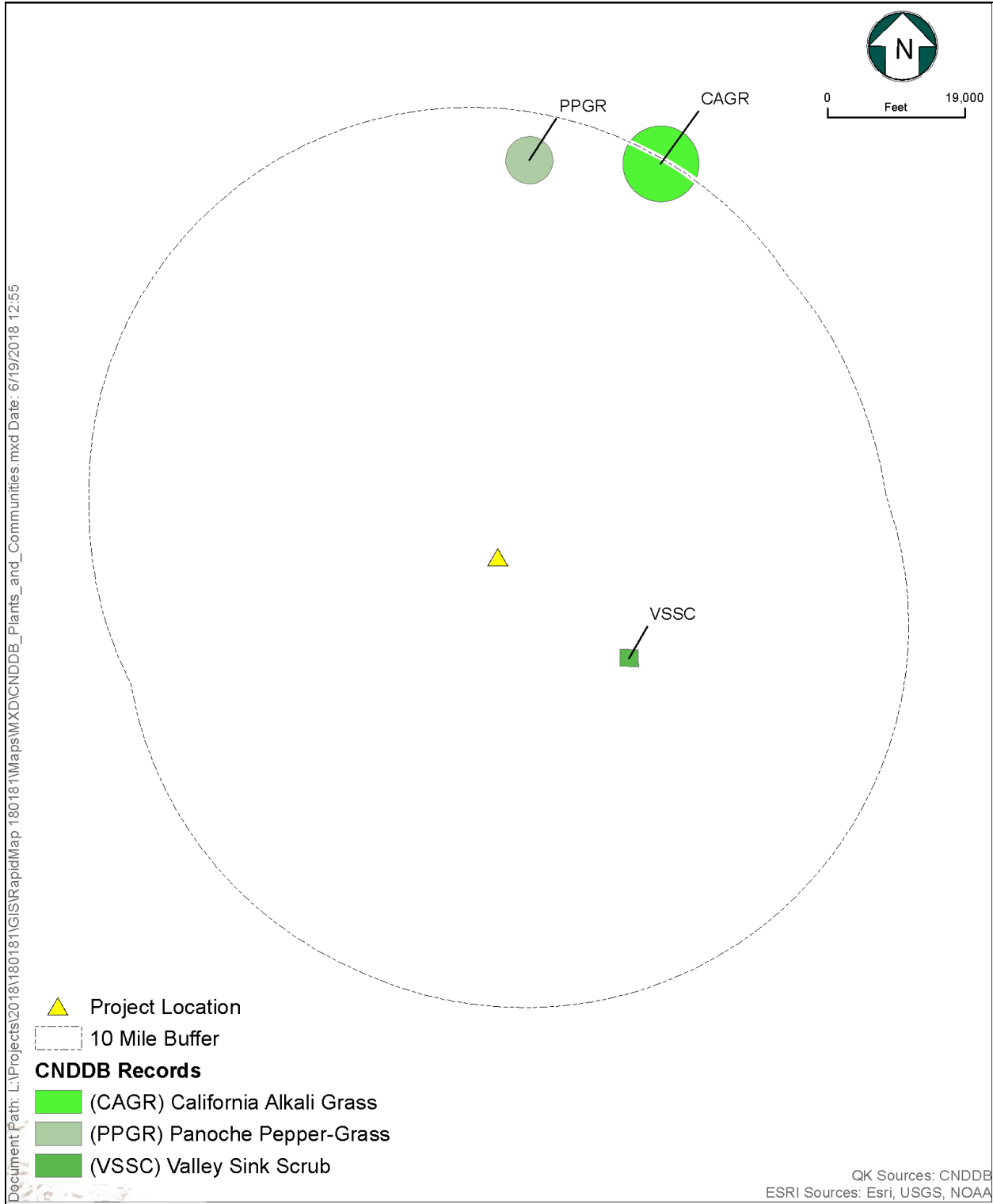
The CNDDDB database listed the presence of Valley Sink Scrub, a sensitive natural community, approximately 2.5 miles southeast of the southern terminus of the Project site (Figure 5-1). Valley Sink Scrub consists of low, open to dense succulent shrublands dominated by alkali-tolerant plants, particularly within the family Chenopodiaceae. These include *Allenrolfea occidentalis* and several species of *Sueda*. Understories usually are lacking, though sparse herbaceous cover dominated by *Bromus rubens* develops occasionally. Soils consist of saline or alkaline clays.

#### 5.1.2 - PRESENCE OF SENSITIVE NATURAL COMMUNITIES

The Project is dominated by intensive agriculture and developed areas, including both low-density rural residential and military housing. A small section of the southernmost portion of the Project site contains Valley Sink Scrub. That area is south of SR 198, west of the Kings River, and north of Jackson Avenue. The Project crosses through approximately 200 feet of Valley Sink Scrub habitat, encroaching upon 0.06 acre of this community.

### 5.2 - Special-Status Plants

Special-status plants are not limited to those that have been listed by State or federal agencies but include any plants that, based on all available data, are shown to be rare, threatened, or endangered in California. A species, subspecies, or variety of plant is "endangered" when the prospects of its survival and reproduction are in immediate jeopardy from one or more causes, including loss of habitat, change in habitat, over-exploitation, predation, competition, or disease. A plant is "threatened" when it is likely to become endangered in the foreseeable future in the absence of protection measures. A plant is "rare" when, although not presently threatened with extinction, the species, subspecies, or variety



**Figure 5-1**  
**Historical Occurrences of Sensitive Natural Communities and Special-Status Plant Species within 10 Miles of the Project Site**

is found in such small numbers throughout its range that it may be endangered if its environment worsens.

### 5.2.1 - RESULTS OF LITERATURE REVIEW AND DATABASE SEARCHES

Ten special-status plant species were identified in the CNDDDB, CNPS, and USFWS databases as occurring in the Project Region (Table 5-1). Two special-status plant species are known to occur within 10-miles of the Project (see Figure 5-1). Seven special-status plant species were determined to have the potential to occur on the Project (Appendix B) because the Project falls within the geographic and elevational range of these species and provides suitable habitat elements.

**Table 5-1**  
**Special-Status Plant Species Occurring in the Region of the**  
**City of Lemoore Combined Effluent Discharge to the Stone Ranch**  
**(Source: CNDDDB 2017, CNPS 2017, and USFWS 2017)**

<b>Scientific Name</b>	<b>Common name</b>	<b>Status</b>
<i>Atriplex depressa</i>	brittlescale	1B.2
<i>Caulanthus californicus</i>	California jewelflower	FE, CE, 1B.1
<i>Cordylanthus palmatus</i>	palmate-bracted bird's beak	FE, CE, 1B.1
<i>Delphinium recurvatum</i>	recurved larkspur	1B.2
<i>Hordeum intercedens</i>	vernal barley	3.2
<i>Layia munzii</i>	Munz's tidy-tips	1B.2
<i>Lepidium jaredii ssp. album</i>	Panoche pepper-grass	1B.2
<i>Monolopia congdonii</i>	San Joaquin woollythreads	CE, 1B.2
<i>Nama stenocarpa</i>	mud nama	2B.2
<i>Puccinellia simplex</i>	California alkali grass	1B.2

Sources:

- California Department of Fish and Wildlife. 2018. California Natural Diversity Data Base, California Department of Fish and Wildlife Sacramento, CA. Quads: Five Points, Burrel, Riverdale, Laton, Calflax, Vanguard, Lemoore, Hanford, Huron, Westhaven, Startford, Guernsey.
- California Native Plant Society (CNPS). 2018. Inventory of Rare and Endangered Plants (online edition, v6-05b 4-11-05). Rare Plant Scientific Advisory Committee. California Native Plant Society. Sacramento, CA. Quads: Five Points, Burrel, Riverdale, Laton, Calflax, Vanguard, Lemoore, Hanford, Huron, Westhaven, Startford, Guernsey.
- United States Fish and Wildlife Service. 2018. Federal Endangered and Threatened Species that Occur in or may be Affected by Projects in the Merced U.S.G.S 7 ½ Minute Quad. USFWS. Sacramento, CA. Quads: Five Points, Burrel, Riverdale, Laton, Calflax, Vanguard, Lemoore, Hanford, Huron, Westhaven, Startford, Guernsey.

#### **Abbreviations:**

1A	California Native Plant Society List 1A Species- Plants Presumed Extinct in California
1B.1	California Native Plant Society List 1B Species-Plants Categorized as Rare, Threatened, or Endangered in California and Elsewhere; Seriously Endangered in California
1B.2	California Native Plant Society List 1B Species-Plants Categorized as Rare, Threatened, or Endangered in California and Elsewhere; Fairly Endangered in California.
1B.3	California Native Plant Society List 1B Species-Plants Categorized as Rare, Threatened, or Endangered in California and Elsewhere; Not Very Endangered in California
2A	California Native Plant Society List 2A Species-Plants categorized as Presumed Extirpated in California, But More Common Elsewhere

2B.1	California Native Plant Society List 2B Species-Plants Categorized as Endangered in California; Seriously Endangered
2B.2	Native Plant Society List 2B Species-Plants Categorized as Endangered in California; Fairly Endangered in California
2B.3	Native Plant Society List 2B Species-Plants Categorized as Endangered in California; Not Very Endangered in California
3.1	Native Plant Society List 3 Species-Plants Categorized as Needs More Information; Seriously Endangered in California
3.2	Native Plant Society List 3 Species-Plants Categorized as Needs More Information; Fairly Endangered in California.
3.3	Native Plant Society List 3 Species-Plants Categorized as Needs More Information; Not Very Endangered in California
4.1	Plants of limited distribution (watch list), Seriously endangered in California; (over 80% of occurrences threatened / high degree and immediacy of threat)
4.2	Plants of limited distribution - Watch list, Fairly endangered in California (20-80% occurrences threatened)
4.3	Plants of limited distribution - Watch list, Not very endangered in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)
FE	Federal Endangered Species
FT	Federal Threatened Species
CE	California Endangered Species
CT	California Threatened Species
CSC	California Department of Fish and Game Species of Special Concern
CH	USFWS Critical Habitat

### 5.2.2 - PRESENCE OF SPECIAL-STATUS PLANTS

No special-status plants were observed during the reconnaissance-level field survey conducted on June 14, 2018 (see Appendix B). There is habitat on the Project site to support seven of the ten species with the potential to occur. All but one of these plant species would only be present in the small, approximately 200-foot-long, area of Valley Sink Scrub that occurs on the Project site. It is unlikely that any of these species occur in that limited area. The other species that could be present would occur in wetted areas of dirt-lined canals and ditches, but that species would be unlikely to occur because of the routine maintenance that occurs in those areas.

### 5.3 - Special-Status Wildlife

This section provides the list of special-status wildlife species known to occur within the Project region based upon database queries. This section also provides information on the presence of special-status species based upon observations of the species, the presence of diagnostic signs of the species, or the potential for occurrence based upon the presence of suitable habitat.

#### 5.3.1 - RESULTS OF LITERATURE REVIEW AND DATABASE SEARCHES

Twenty-four special-status wildlife species were identified in the CNDDDB and USFWS database queries within the twelve USGS 7.5-minute quadrangles that encompass the Project (Table 5-2). These included five invertebrates, one fish, three amphibians, five reptiles, three birds, and seven mammals. There is suitable habitat on or near the Project site for fourteen of these species, but there are only ten of these special-status wildlife species have the potential to be affected by the Project (see Appendix B). There was a sighting of an additional special-status species, loggerhead shrike (*Lanius ludovicianus*), that did not show up in the

records search. That species was added to the list (Table 5-2 and Appendix B). These eleven species that include one amphibian, three reptiles, four birds, and two mammals (see Appendix B) are discussed below. It is unlikely that the Project will result in impacts to these species. Fifteen special-status wildlife species were documented as occurring within the 10-mile radius of the Project site (Figures 5-2, 5-3, and 5-4).

**Table 5-2**  
**Special-Status Wildlife Species Occurring in the Region of the**  
**City of Lemoore Combined Effluent Discharge to the Stone Ranch**  
 (Source: CNDDDB 2018, CNPS 2018, and USFWS 2018)

Scientific Name	Common name	Status
<b>Invertebrates</b>		
<i>Bombus crotchii</i>	Crotch bumble bee	G3G4, S1S2
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	FT
<i>Cicindela tranquebarica ssp.</i>	San Joaquin tiger beetle	G5, S1
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn	FT
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	FE
<b>Fishes</b>		
<i>Hypomesus transpacificus</i>	delta smelt	FE, CT
<b>Amphibians</b>		
<i>Ambystoma californiense</i>	California tiger salamander	FT, CT
<i>Spea hammondi</i>	western spadefoot	CSC
<i>Rana draytonii</i>	California red legged frog	FT, CSC
<b>Reptiles</b>		
<i>Arizona elegans occidentalis</i>	California glossy snake	CSC
<i>Gambelia sila</i>	blunt-nosed leopard lizard	FE, CE, FP
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip	CSC
<i>Thamnophis gigas</i>	giant gartersnake	FT, CT
<i>Emys marmorata</i>	western pond turtle	CSC
<b>Birds</b>		
<i>Agelaius tricolor</i>	tricolored blackbird	CT, MBTA
<i>Athene cunicularia</i>	burrowing owl	CSC, MBTA
<i>Buteo swainsoni</i>	Swainson's hawk	CT, MBTA
<i>Lanius ludovicianus</i>	Loggerhead shrike	CSC
<b>Mammals</b>		
<i>Ammospermophilus nelsoni</i>	San Joaquin antelope squirrel	CT
<i>Dipodomys ingens</i>	giant kangaroo rat	FE, CE
<i>Dipodomys nitratooides exilis</i>	Fresno kangaroo rat	FE, CE
<i>Dipodomys nitratooides nitratooides</i>	Tipton kangaroo rat	FE, CE
<i>Lasiurus cinereus</i>	hoary bat	G5, S4
<i>Taxidea taxus</i>	American badger	CSC
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	FE, CT

**Sources:**

- California Department of Fish and Wildlife. 2018. California Natural Diversity Data Base, California Department of Fish and Wildlife Sacramento, CA. Quads: Five Points, Burrel, Riverdale, Laton, Calflax, Vanguard, Lemoore, Hanford, Huron, Westhaven, Startford, Guernsey.
- California Native Plant Society (CNPS). 2018. Inventory of Rare and Endangered Plants (online edition, v6-05b 4-11-05). Rare Plant Scientific Advisory Committee. California Native Plant Society. Sacramento, CA. Five Points, Burrel, Riverdale, Laton, Calflax, Vanguard, Lemoore, Hanford, Huron, Westhaven, Startford, Guernsey.
- United States Fish and Wildlife Service. 2018. Federal Endangered and Threatened Species that Occur in or may be Affected by Projects in the Merced U.S.G.S 7 ½ Minute Quad. USFWS. Sacramento, CA. Quads: Five Points, Burrel, Riverdale, Laton, Calflax, Vanguard, Lemoore, Hanford, Huron, Westhaven, Startford, Guernsey.

**Abbreviations:**

FE	Federal Endangered Species
FT	Federal Threatened Species
MBTA	Species Protected Under the Auspices of the Migratory Bird Treaty Act
CE	California Endangered Species
CT	California Threatened Species
CSC	California Department of Fish and Game Species of Special Concern
CH	USFWS Critical Habitat

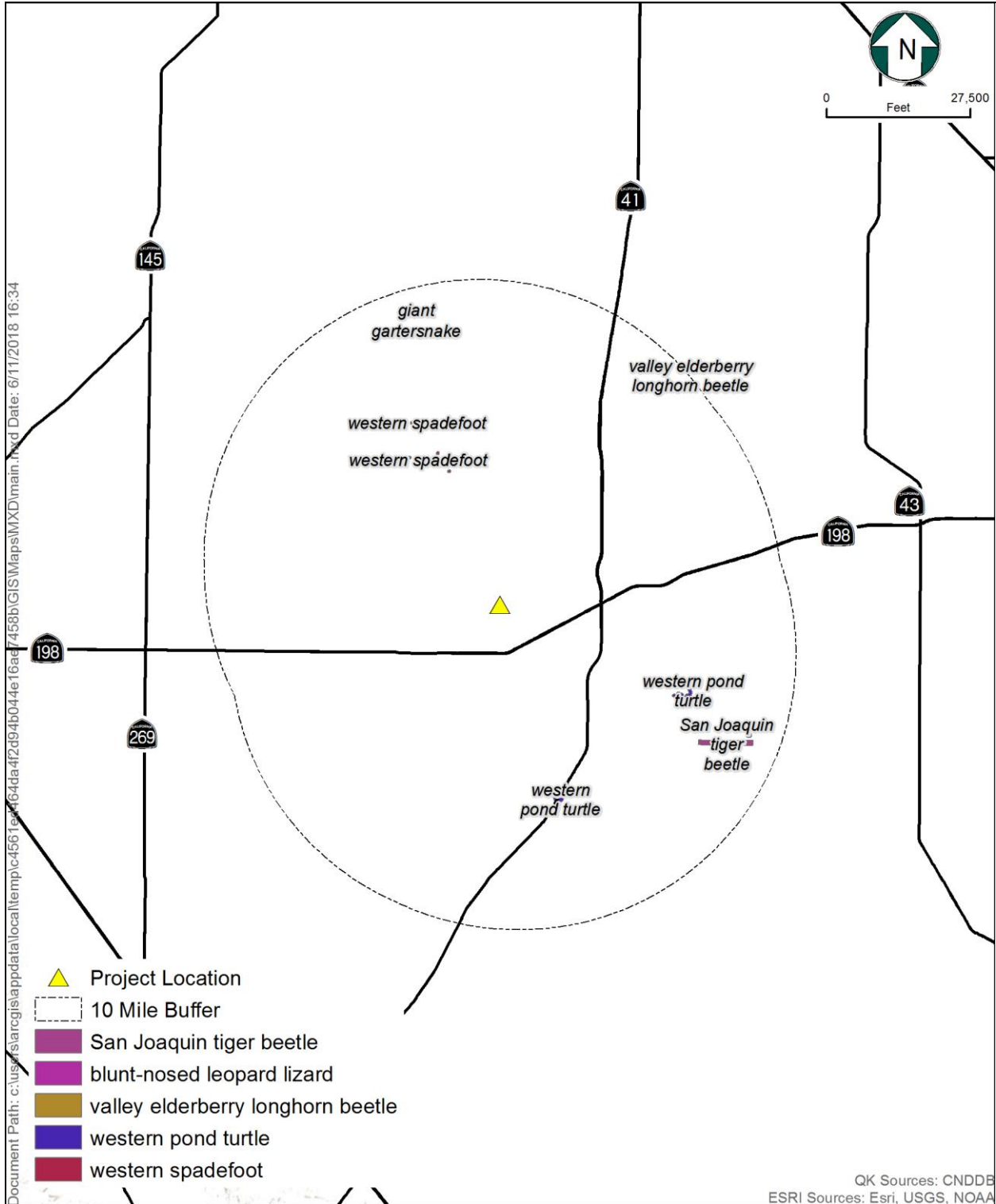
**5.3.2 - PRESENCE OF SPECIAL-STATUS WILDLIFE**

During the reconnaissance-level survey conducted on June 14, 2018, loggerhead shrike, a California species of special concern, were observed at the old duck club northeast of the Project and at the southern terminus of the Project near the Kings River (Figure 5-5). A possible San Joaquin Kit Fox den was observed near the intersection of the Project and State Route 198. No other special-status species were observed during this survey. There were no other special-status species observed on or near the Project site but there are nine other species with the potential to occur. These other species have a low potential to occur on the Project site and are unlikely to be affected by the Project. The special-status wildlife species with a potential to occur on the Project site include the western spadefoot (*Spea hammondi*), San Joaquin coachwhip (*Masticophis flagellum ruddocki*), giant garter snake (*Thamnophis gigas*), western pond turtle (*Emys marmorata*), tri-colored blackbird (*Agelaius tricolor*), western burrowing owl (*Athene cunicularia*), Swainson’s hawk (*Buteo swainsoni*), yellow-headed blackbird (*Xanthocephalus xanthocephalus*), and American badger (*Taxidea taxus*). The evaluation of the potential for these species to occur on the Project site are provided in Appendix B.

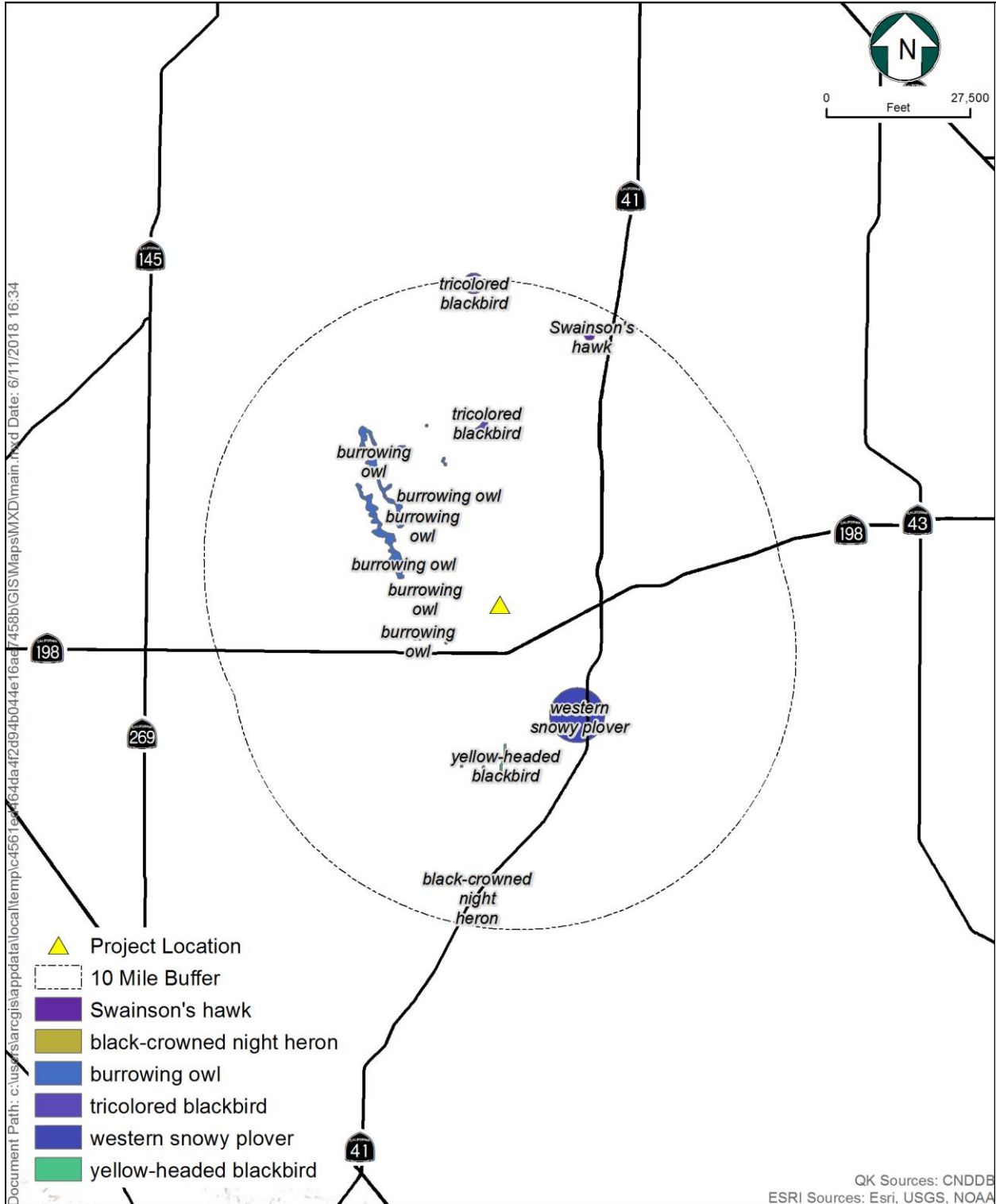
**5.4 - Critical Habitat, Movement Corridors and Linkages**

This section describes the occurrence of USFWS Critical Habitat, movement corridors, and linkages known to occur within the vicinity of the Project site. Habitat may be designated as Critical Habitat by the USFWS, which are blocks of habitat that may or may not be currently occupied by species, but which are of the highest priority for the survival, conservation, and recovery of threatened or endangered species. Wildlife movement corridors, also referred to as dispersal corridors or landscape linkages, are generally defined as linear features along which animals can travel from one habitat or resource area to another.

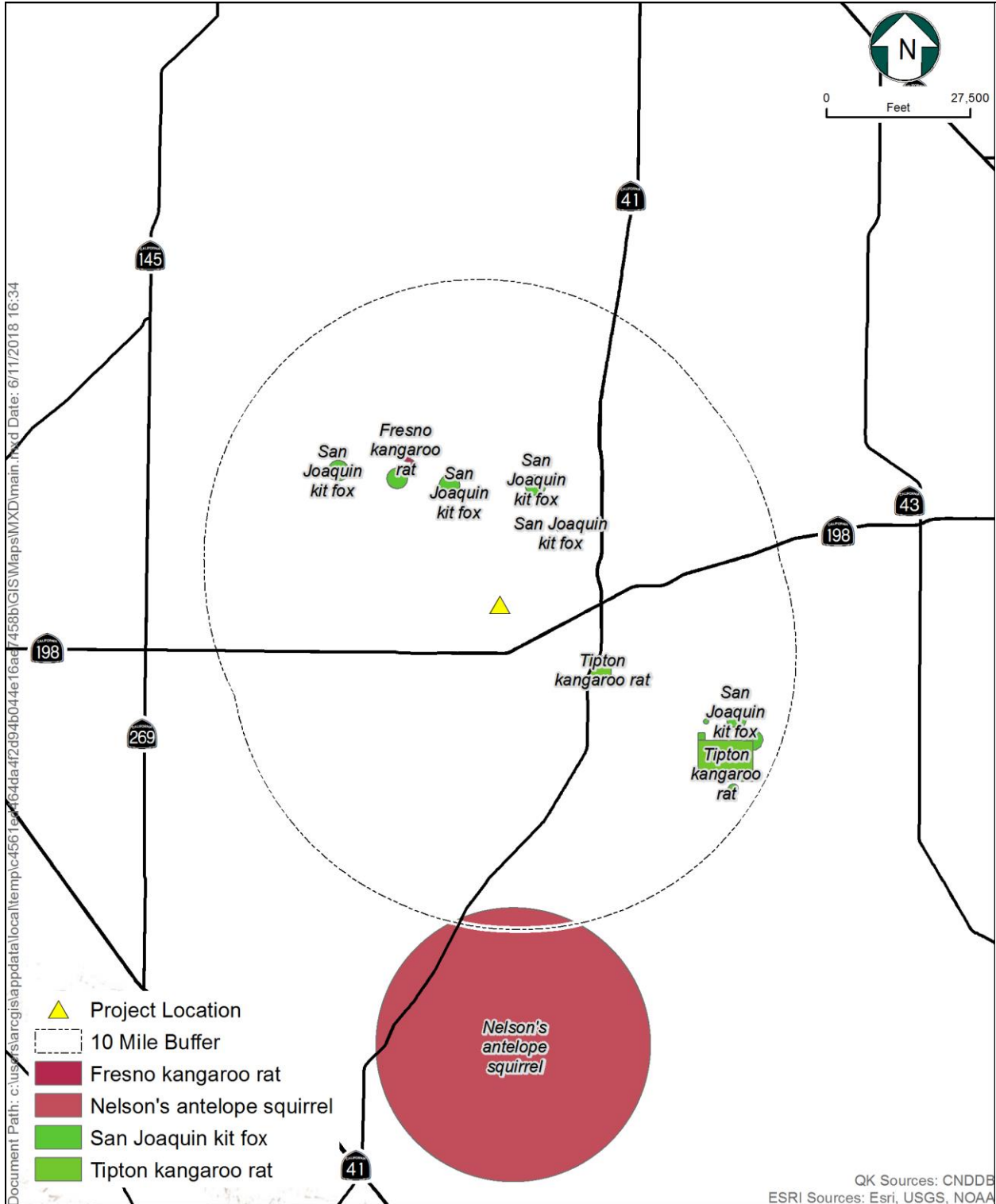




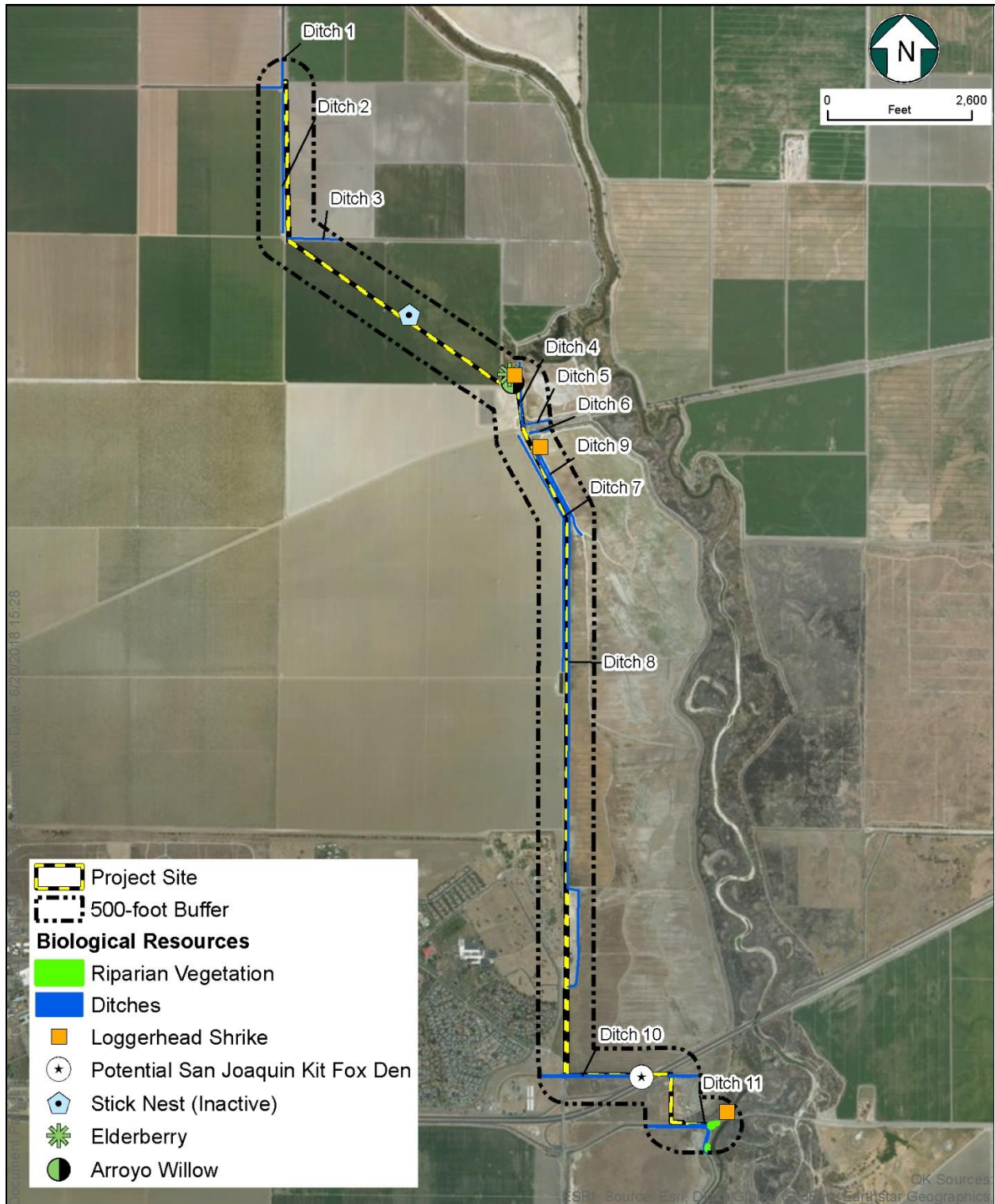
**Figure 5-2**  
**Historical Occurrences of Sensitive Special-Status Invertebrates, Amphibians, and Reptiles within 10 Miles of the Project Site**



**Figure 5-3**  
**Historical Occurrences of Sensitive Special-Status Birds within 10 Miles of the Project Site**



**Figure 5-4**  
**Historical Occurrences of Sensitive Special-Status Mammals within 10 Miles of the Project Site**



**Figure 5-5**  
**Biological Resources Observed on the Project Site**

#### **5.4.1 - RESULTS OF LITERATURE REVIEW AND DATABASE SEARCHES**

The USFWS identifies critical habitat for the federally endangered Buena Vista Lake ornate shrew (*Sorex ornatus relictus*) approximately one mile east of the Project (Figure 5-6). This is the only critical habitat located near the Project. There are no historic records of the species occurring at this site. No designated movement corridors or linkages occur near the Project. The most likely corridor in use by native species is the Kings River riparian corridor, which runs north-south approximately one mile east of the Project. Terrestrial species are limited to remnant patches of suitable habitat but may disperse through agricultural or other developed land.

### **5.5 - Wetlands and Other Waters**

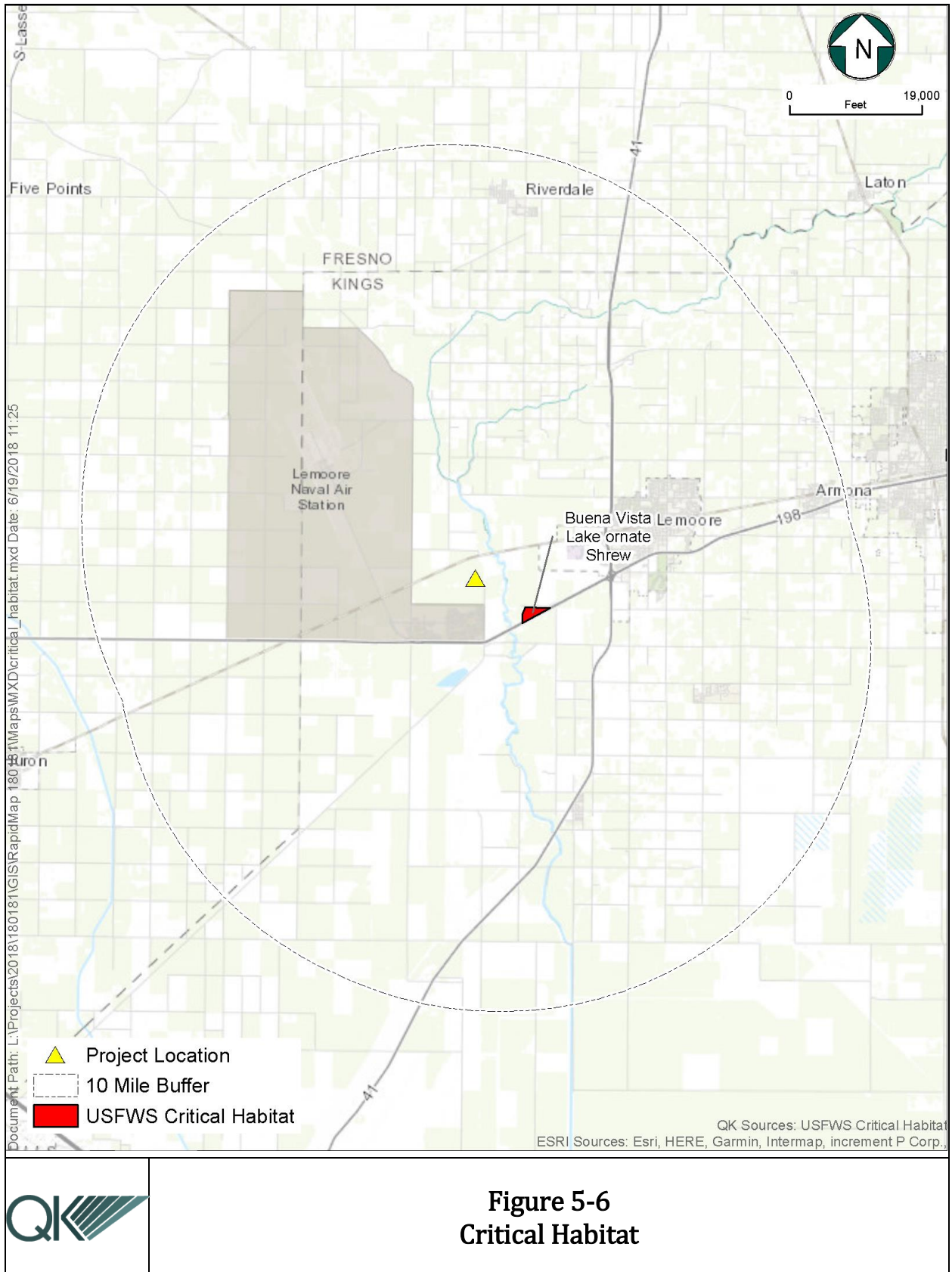
This section describes the results of the database queries and focused delineations of waters and wetlands on the Project.

#### **5.5.1 - RESULTS OF LITERATURE REVIEW AND DATABASE SEARCHES**

A search of the National Hydrologic dataset and the National wetlands Inventory identified several wetlands adjacent to the Kings River east of the Project as well a series of ditches near and adjacent to the northern section of the Project (Figure 5-7).

#### **5.5.2 - PRESENCE OF WETLANDS AND OTHER WATERS**

The on-site wetlands delineation found several additional wetlands and ditches near the Project, including a drainage ditch running east-west under State Route 198, in which the pipeline is planned to be installed (see Figure 5-5). All wetlands and riparian vegetation is outside of the Project footprint and will not be affected by the Project. Irrigation and drainage ditches within the Project area total approximately 8.49 acres (Table 5-3).





**Table 5-3**  
**Water Features Delineated on the City of Lemoore Combined Effluent Discharge to the Stone Ranch Project, Kings County, California**

<b>Feature Name</b>	<b>Feature type</b>	<b>Area (acres)</b>
Ditch 1	Irrigation Ditch	0.21520628
Ditch 2	Irrigation Ditch	0.584335268
Ditch 3	Irrigation Ditch	0.221668586
Ditch 4	Irrigation Ditch	0.263817549
Ditch 5	Irrigation Ditch	0.110412717
Ditch 6	Irrigation Ditch	0.092517264
Ditch 7	Irrigation Ditch	1.025254369
Ditch 8	Irrigation Ditch	2.331988573
Ditch 9	Irrigation Ditch	0.415384233
Ditch 10	Irrigation Ditch	1.933831096
Ditch 11	Irrigation Ditch	1.300172806



## **SECTION 6 - ANALYSIS OF IMPACTS AND RECOMMENDED AVOIDANCE AND MINIMIZATION MEASURES**

This section evaluates Project-related impacts to sensitive biological resources. Direct and indirect impacts may occur and are identified where appropriate. Temporary impacts are defined as impacts with a maximum duration of one calendar year. The CDFW defines that one-year term to include the duration of the impact plus the length of time required to fully restore the impacted area to pre-Project conditions. Due to the short duration of construction in any given section of the Project, we anticipate all impacts to be temporary. When significant impacts are identified or when they could potentially occur, recommended measures to avoid or reduce those impacts to less than significant levels are provided.

The analysis of impacts that is provided is based upon the requirements of CEQA, and the associated thresholds of significance. The fundamental definition of significant effect under CEQA is “a substantial adverse change in physical conditions.” This criterion underlies the evaluation of environmental impacts for most of the impact issues identified in the CEQA Environmental Checklist Form (Guidelines Appendix G). The significance threshold for evaluation of impacts under CEQA will not necessarily equate to a regulatory limit or standard. Instead, under CEQA, most thresholds are set at meaningful levels, independent of regulatory thresholds. Some thresholds are driven by regulatory standards (e.g., Compliance with a federal Habitat Conservation Plan or State Incidental Take Permit, compliance with a Streambed Alteration Agreement).

For each of the existing biological conditions described in this report, potential impacts are addressed in accordance with the biological issues listed in Appendix G of the CEQA Guidelines, which are:

- (A) Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?
- (B) Would the Project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, any regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?
- (C) Would the Project have a substantial adverse effect on federally protected wetlands as defined by section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?
- (D) Would the Project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

- (E) Would the Project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?
- (F) Would the Project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State Habitat Conservation Plan or Recovery Plan?

Each issue is assessed according to thresholds of significance established under CEQA Guidelines §15065(a), as modified. These are:

- Would the Project result in substantial degradation of the environment?
- Would the Project result in substantial habitat reduction for a fish or wildlife species?
- Would the Project result in reduction of a fish or wildlife population below self-sustaining levels?
- Would the Project result in elimination of a plant or animal community?
- Would the Project result in substantial reduction of the number of, or restriction of the range of, a rare or threatened species, or result in direct or indirect “take” of an endangered species as defined in State or federal Endangered Species Acts?

## **6.1 - Project Impacts to Special-Status Species (CEQA Evaluation Factor A):**

### **6.1.1 - PROJECT IMPACTS TO SPECIAL-STATUS PLANT SPECIES**

No special-status plant species were identified on or near the Project during the reconnaissance-level field survey. There are seven special-status plant species that could occur in the southernmost portion of the Project, in that area vegetated with Valley Sink Scrub habitat. It is unlikely that any of these species are present because of the disturbed nature of most of that area and the small patch of habitat that exists. Two of the plant species are endangered; the California jewelflower (*Caulanthus californicus*) and the San Joaquin woollythreads (*Monolopia congdonii*).

### **RECOMMENDED MEASURES TO PROTECT SPECIAL-STATUS PLANT SPECIES**

**BIO-1 (Plants and Valley Sink Scrub).** Prior to construction activities in the Valley Sink Scrub habitat, a pre-construction survey for the San Joaquin woollythreads and the California jewelflower should be performed. The survey should occur during the appropriate flowering period for these species. If these species are found to occur and cannot be avoided by the Project, then CDFW and/or USFWS should be notified within 10 days prior to construction activities to allow CDFW and/or USFWS to perform a salvage operation. The Project footprint should be reduced to the minimum area possible to allow the pipeline (and pump station) to be installed, and the topsoil from the trench (the top 6-inches) should be removed and stockpiled separately from the remaining soil removed from the trench. The topsoil should be covered during storage. Once the trench has been backfilled, the topsoil should be distributed over the top of the backfilled trench and compacted. This process will allow for any seedbank present in the topsoil to be retained in the uppermost soil.

***EFFECTIVENESS OF MEASURES***

Reducing the area of ground disturbance, allowing salvage of any endangered plant that may be present, and stockpiling and returning topsoil to its original position in the soil horizon will minimize the impact of the Project to a less than significant level.

***6.1.2 - PROJECT IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES***

Project construction activities have the potential to impact eleven special-status wildlife species including the western spadefoot, San Joaquin coachwhip, giant garter snake, western pond turtle, tri-colored blackbird, western burrowing owl, Swainson's hawk, yellow-headed blackbird, loggerhead shrike, American badger, and San Joaquin kit fox. Impacts are expected to be minimal due to the temporary nature of the Project. Direct and indirect impacts are unlikely to occur, which will be avoided or minimized with the implementation of measures listed below. No measures would be needed to avoid and minimize impacts to the western spadefoot or San Joaquin coachwhip because Project impacts to those species would be less than significant; potential Project impacts would not reduce any existing populations to below self-sustaining levels or substantially reduce or restrict the range of these species.

***RECOMMENDED MEASURES TO PROTECT SPECIAL-STATUS WILDLIFE SPECIES***

**BIO 2 (Giant Garter Snake).** Project impacts to giant garter snake are expected to be nonexistent because of the temporary nature of Project disturbances, the small amount of habitat in irrigation drainage ditches that will be impacted, and the extremely low potential for the species to be present. However, the following mitigation measures should be implemented to assure that there is no "take" of this endangered species:

- a. A pre-construction survey of potential giant garter snake habitat should be completed by a qualified biologist within 24 hours of ground disturbing activities. A qualified biological monitor should be onsite during vegetation removal in potential giant garter snake habitat and within 200 feet of potential giant garter snake habitat. This habitat is limited to the vegetated drainage ditch near its crossing of State Route 198 and the area south of Jackson Avenue.
- b. Vegetation removal within 200 feet of suitable giant garter snake aquatic habitat should be confined to the minimal area necessary to allow for the installation of the pipeline (and pump station). Movement of heavy equipment should be confined to existing roadways or temporary construction access roads established during construction.
- c. If a giant garter snake is observed in the construction area, all activities should cease, and qualified biologist should be notified immediately. The snake should be allowed to leave on its own and activities should not resume until the snake has moved out of the area on its own. If the snake does not vacate the area on its own, activities must be suspended and USFWS and CDFW should be contacted. If a giant garter snake is found and cannot be avoided, Incidental Take Permits may need to be acquired.

USFWS and CDFW should be notified by telephone or email within 24 hours of a giant garter snake observation.

**BIO 3 (Western Pond Turtle).** Project impacts to the western pond turtle are expected to be nonexistent due to the temporary nature of the Project disturbances, the small amount of habitat in irrigation canals that will be impacted, and the extremely low potential for this species to be present. However, the following mitigation measures should be implemented:

- a. A survey for the western pond turtle should be conducted by a qualified biologist within 14 days prior to beginning of construction. This may be combined with other pre-construction surveys.
- b. A biological monitor should be on-site during all vegetation removal activities within 200 feet of habitat capable of supporting the western pond turtle. If any turtles are encountered in the Project during construction, construction should halt until the qualified biologist determines the species of turtle. If it is not a western pond turtle, work may continue.
- c. If a western pond turtle is found, all work within 100 feet of the turtle should stop until the turtle vacates the area of its own accord or the area where the turtle occurs can be protected using exclusion fencing. If the installation of exclusion fencing is not practical, then the turtle may be relocated away from the construction site, into nearby suitable habitat, by a qualified biologist.

**BIO-4 (Western Burrowing Owl).** A pre-construction survey should be conducted for the western burrowing owl within 14 days of the start of construction. If any burrowing owl burrows are observed during the preconstruction survey, avoidance measures should be consistent with those included in the CDFW staff report on burrowing owl mitigation (CDFG 2012). If occupied burrowing owl burrows are observed outside of the breeding season (September 1 through January 31) and within 500 feet of proposed construction activities, a passive relocation effort may be instituted in accordance with the guidelines established by the *Burrowing Owl Survey Protocol and Mitigation Guidelines* (California Burrowing Owl Consortium 1993) and the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012). During the breeding season (February 1 through August 31), a 250-foot (minimum) buffer zone should be maintained unless a qualified biologist verifies through noninvasive methods that either the birds have not begun egg laying and incubation or that juveniles from the occupied burrows are foraging independently and are capable of independent survival. If necessary, passive relocation may be conducted to remove burrowing owls from the Project site, but only after approval has been obtained from the California Department of Fish and Wildlife. Passive relocation would only be conducted by a qualified biologist.

**BIO-5 (American badger and San Joaquin Kit Fox).** The measures listed below should be implemented during construction and operation of the Project to protect the American badger and San Joaquin kit fox.

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***Analysis of Impacts and Recommended Avoidance and Minimization Measures***

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- a. Project-related vehicles should observe a 20-mph speed limit in all Project areas, except on County roads and State and Federal highways; this is particularly important at night when kit foxes and badgers are most active. Nighttime construction should be avoided, unless the construction area is appropriately fenced to exclude badgers kit foxes. The area within any such fence must be determined to be uninhabited by San Joaquin Kit foxes or American badgers prior to initiation of construction. Off-road traffic outside of designated Project areas should be prohibited.
- b. To prevent inadvertent entrapment of kit foxes, badgers, or other animals during the construction phase of the Project, all excavated, steep-walled holes or trenches more than 2 feet deep should be covered prior to the end of each working day by plywood or similar materials, or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they should be thoroughly inspected for trapped animals. If at any time a trapped or injured kit fox is discovered, the qualified biologist, USFWS and CDFW should be contacted for advice.
- c. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipe, becoming trapped or injured. All construction pipes, culverts, or similar structures with a diameter of 4-inches or greater that are stored at a construction site for one or more overnight periods should be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in anyway. If a kit fox is discovered inside a pipe, that section of pipe should not be moved until the USFWS has been consulted. If necessary, and under the direct supervision of the biologist, the pipe may be moved once to remove it from the path of construction activity, until the fox has escaped.
- d. All food-related trash items such as wrappers, cans, bottles, and food scraps should be disposed of in closed containers and removed at least once a week from a construction or Project site.
- e. No pets should be permitted on the Project site.
- f. Use of rodenticides and herbicides in Project areas should be restricted. This is necessary to prevent primary or secondary poisoning of kit fox and the depletion of prey populations on which they depend. All uses of such compounds should observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and federal legislation, as well as additional Project-related restrictions deemed necessary by the USFWS. If rodent control must be conducted, zinc phosphide should be used because of a proven lower risk to kit fox.
- g. No plants or wildlife should be collected, taken, or removed from the construction areas or areas of offsite improvements, except as necessary for Project-related vegetation removal or wildlife relocation. Salvage of native vegetation to be removed from construction areas is encouraged but should only be performed by qualified biologists and with written approval from the CDFW.

- h. A representative should be appointed by the Project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox, or who finds a dead, injured or entrapped individual. The representative's name and telephone number should be provided to the USFWS and CDFW.
- i. In the case of trapped animals, escape ramps or structures should be installed immediately to allow the animal(s) to escape, or the USFWS and CDFW should be contacted for advice.
- j. Any contractor, employee(s), or military or agency personnel who inadvertently kills or injures a San Joaquin kit fox should immediately report the incident to their representative. This representative should contact the CDFW immediately in the case of a dead, injured or entrapped kit fox. The CDFW contact for immediate assistance is State Dispatch at (916) 445-0045. They would contact the local warden or qualified biologist.
- k. The USFWS and CDFW should be notified in writing within three working days of the accidental death or injury to a San Joaquin kit fox during Project-related activities. Notification should include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information.
- l. The above listed measures would also protect American badgers.

**BIO 6 (Swainson's Hawk).** If Project construction takes place entirely between September 16 and February 28, it should avoid the breeding season of Swainson's hawk and no measures would need to be implemented. If any portion of Project construction takes place between March 1 and September 15, protocol-level Swainson's hawk surveys should be conducted. The two Swainson's hawk survey periods immediately prior to beginning of construction should be conducted following the *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley* (Swainson's Hawk Technical Advisory Committee 2000). If an active Swainson's hawk nest is discovered within half a mile of the Project, construction should be delayed until the CDFW is contacted for guidance and a qualified biologist should monitor the nest on a weekly basis during construction activities to determine nesting activity and document any nest abandonment. Because neither foraging habitat or potential nesting trees will be removed or degraded as part of this Project, compensatory mitigation should not be required.

**BIO-7 (Tricolored blackbird, yellow-headed blackbird, loggerhead shrike, and compliance with the MBTA).** If Project construction takes place entirely between September 16 and February 28, it should avoid the breeding season of Swainson's hawk and no measures would need to be implemented. If any portion of Project construction takes place between March 1 and September 15, protocol-level Swainson's hawk surveys should be conducted. The two Swainson's hawk survey periods immediately prior to beginning of construction should be conducted following the *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley* (Swainson's Hawk Technical Advisory Committee 2000). If an active Swainson's hawk nest is discovered within half a mile of the Project, construction should be delayed until the CDFW is contacted for guidance and a qualified biologist should monitor the nest on a weekly basis during construction activities

to determine nesting activity and document any nest abandonment. Because neither foraging habitat or potential nesting trees will be removed or degraded as part of this Project, compensatory mitigation should not be required.

**BIO-8 (WEAT):** Prior to ground disturbance activities at the Project site and as needed during construction activities, all workers on the Project should attend a Construction Worker Environmental Awareness Training and Education Program, developed and presented by a qualified biologist.

The Construction Worker Environmental Awareness Training and Education Program would be presented by the biologist and should include information on the life history of wildlife and plant species that may be encountered during construction activities, their legal protections, the definition of “take” under the Endangered Species Act, measures the Project operator is implementing to protect the San Joaquin kit fox and other species, reporting requirements, specific measures that each worker would employ to avoid take of the wildlife species, and penalties for violation of the Act. Identification and information regarding sensitive or other special status plant species should also be provided to construction personnel.

- a. An acknowledgement form signed by each worker indicating that environmental training has been completed.
- b. A sticker that should be placed on hard hats indicating that the worker has completed the environmental training. Construction workers should not be permitted to operate equipment within the construction area unless they have attended the training and are wearing hard hats with the required sticker;
- c. A copy of the training transcript and/or training video/CD, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgement forms should be maintained on site for the duration of construction activities.
- d. The construction crews and contractor(s) would be responsible for unauthorized impacts from construction activities to sensitive biological resources that are outside the areas defined as subject to impacts by Project permits.

**Bio-9 (San Joaquin Kit Fox):** A pre-construction survey shall be conducted for the San Joaquin kit fox within 14 to 30 days of the start of construction. The project proponent shall follow the *USFWS Standardized Recommendations for Protection of the San Joaquin Kit Fox Prior to or During Ground Disturbance*.

If any San Joaquin kit fox dens are found during preconstruction surveys, the status of the dens shall be evaluated prior to project ground disturbance. Provided that no evidence of kit fox occupation is observed, potential dens shall be marked, and a 50-foot avoidance buffer delineated using stakes and flagging or other similar material to prevent inadvertent damage to the potential den. If a potential den cannot be avoided, it may be hand-excavated following United States Fish and Wildlife Service standardized recommendations for protection of the

San Joaquin kit fox prior to or during ground disturbance. If kit fox activity is observed at a den, the den status shall change to “known” per United States Fish and Wildlife Service guidelines (1999) and the buffer distance shall be increased to 100 feet. Absolutely no excavation of San Joaquin kit fox known or pupping dens shall occur without prior authorization from the United States Fish and Wildlife Service and California Department of Fish and Wildlife.

***EFFECTIVENESS OF MEASURES***

Implementation of the above measures will ensure that impacts from Project activities will be less than significant.

***6.2 - Project Impacts to Riparian Habitat and Other Sensitive Natural Communities (CEQA Evaluation Factor B)***

***6.2.1 - PROJECT IMPACTS TO SENSITIVE NATURAL COMMUNITIES***

Riparian habitat is defined as lands that are influenced by a river, specifically the land area that encompasses the river channel and its current or potential floodplain. There is no riparian habitat that would be impacted by the Project. There is approximately 200 feet of the Project that traverses through Valley Sink Scrub habitat, which is a sensitive natural community, resulting in up to 0.06 acres of temporary disturbance. The limited disturbance to this habitat will not substantially degrade the environment, result in substantial habitat reduction for a fish or wildlife species, or result in a substantial elimination of a plant or animal community. Impacts to this small amount of Valley Sink Scrub habitat will be temporary and less than significant.

***RECOMMENDED MEASURES TO PROTECT SENSITIVE NATURAL COMMUNITIES***

Although no measures are required, we recommend that the area of ground disturbance within Valley Sink Scrub habitat be reduced to the greatest extent practical.

***6.3 - Project Impacts to Federal and State Wetlands and Waters (CEQA Evaluation Factor C)***

***6.3.1 - PROJECT IMPACTS TO FEDERAL WETLANDS AND OTHER WATERS***

The Project will not result in impacts to federal waters. The Project will result in impacts to State Waters, but those impacts are limited to four ditches that occur on the Project site, totaling 1.137 acres (see Figure 5-5 and Table 5-3). Impacts to State regulated Waters would not result in substantial degradation of the environment or result in substantial habitat reduction for a fish or wildlife species and would therefore be a less than significant impact. However, it is recommended that appropriate permits be obtained from regulatory agencies and described below in measure Bio 9.



***RECOMMENDED MEASURES TO PROTECT FEDERAL WETLANDS AND OTHER WATERS***

**BIO-9:** A wetland delineation should be completed to ACOE standards, which satisfies requirements of the RWQCB. The Project proponent should obtain a Streambed Alteration Agreement from the CDFW and a Waters Quality Certification pursuant to Section 401 of the CWA from the RWQCB, prior to impacting any State Waters. A formal concurrence with the findings of the delineation of wetlands and waters should be obtained from the ACOE.

***6.4 - Project Impacts to Fish or Wildlife Movement Corridors, Linkages, Nursery Sites, and Critical Habitat (CEQA Evaluation Factor D)***

***6.4.1 - PROJECT IMPACTS TO FISH OR WILDLIFE MOVEMENT CORRIDORS, LINKAGES, AND NURSERY SITES***

The Project will not impact fish or wildlife movement corridors, linkages, nursery sites, or critical habitat, as none of these areas are found in or near the Project. No avoidance or mitigation measures are warranted.

***6.5 - Project Conflicts with Local Policies and Ordinances (CEQA Evaluation Factor E)***

***6.5.1 - PROJECT CONFLICTS WITH LOCAL POLICIES AND ORDINANCES***

The project site is located within Kings County and must comply with provisions contained in the 2035 Kings County General Plan. The General Plan includes goals, objectives and policies (III. Resource Conservation Policies D and E) to address the protection of special-status wildlife and their habitats (County of Kings, 2010). The project would not conflict with any local policies or ordinances protecting biological resources. Implementation of the proposed project would have no impact related to policies or ordinances protecting biological resources. No mitigation measures are warranted.

***6.6 - Project Conflicts with Habitat Conservation Plans, Natural Community Conservation Plans, or Recovery Plans (CEQA Evaluation Factor F)***

***6.6.1 - PROJECT CONFLICTS WITH HABITAT CONSERVATION PLANS, NATURAL COMMUNITY CONSERVATION PLANS, OR RECOVERY PLANS***

No applicable Habitat Conservation Plan or Natural Community Conservation plan exists in Kings County. Critical Habitat for the federally endangered Buena Vista Lake ornate shrew exists approximately one mile to the east of the Project. The Buena Vista Lake ornate shrew is included in the comprehensive 1998 Recovery Plan for Upland Species of the San Joaquin Valley (USFWS 1998). The Project will not conflict with this recovery plan nor will it impact critical habitat, and therefore no impact will occur.



## **SECTION 7 - CONCLUSIONS**

The Project will be constructed primarily on unimproved but routinely maintained roads within an agricultural landscape. Impacts to biological resources would potentially occur within a limited area of native Valley Sink Scrub habitat and within a rarely used dirt-lined ditch. Project impacts would be temporary and less than significant with the implementation of recommended mitigation measures.



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## SECTION 8 - REFERENCES

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- California Department of Fish and Wildlife (CDFW). 2012. Staff Report on Burrowing Owl Mitigation.
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**APPENDIX A**

**SPECIAL-STATUS SPECIES DATABASE SEARCH RESULTS**





Scientific Name	Common Name	Listing Status	General Habitat Description	Suitable Habitat Present on site	Potentially Affected by Project?	Viability Threat?	Comments
<b>Sensitive Natural Communities</b>							
Valley Sink Scrub		G1, S1.1	This community consists of low, open to dense succulent shrublands dominated by alkali-tolerant Chenopodiaceae, especially <i>Allenrolfea occidentalis</i> or several <i>Sueda</i> species. Understories usually are lacking, though sparse herbaceous cover dominated by <i>Bromus rubens</i> develop occasionally. Soils consist of saline or alkaline clays.	YES	YES	NO	Impacts to a small, approximately 200-foot-long area of Valley Sink Scrub habitat will occur from Project activities. This would be a relatively small area compared to the extent of habitat occurring off-site. Impacts to this habitat will not pose a threat to the long-term viability of this patch of Valley Sink Scrub.
<b>Special-status Plants</b>							
<i>Atriplex depressa</i>	brittlescale	1B.2	This annual herb occurs in Chenopod scrubland, grassland, and alkali sink habitats, but it also is known to occur in wet areas. It flowers between April and October, and it ranges in elevation from 1 to 1,050 feet.	YES	UNLIKELY	NO	This plant would only be present within the small, approximately 200-foot-long area of chenopod scrub that occurs in the Project site. This species was not observed on the Project site and it is unlikely to occur. Even if present, construction activities would not be expected to significantly affect either local or regional survival of this species.
<i>Caulanthus californicus</i>	California jewelflower	FE, CE, 1B.1	This annual herb occurs in Chenopod scrub, pinyon and juniper woodland, and/or valley and foothill grassland on sandy soils. It flowers between February and May and its elevation ranges from 200 to 3,281 feet.	YES	UNLIKELY	NO	This plant would only be present within the small, approximately 200-foot-long area of chenopod scrub that occurs in the Project site. This species was not observed on the Project site and it is unlikely to occur.
<i>Cordylanthus palmatus</i>	palmate-bracted bird's beak	FE, CE, 1B.1	This annual herb is hemiparasitic and is endemic to California. It occurs in wetland-riparian communities, Shadscale scrub, and valley grassland. It is restricted to seasonally-flooded, saline-alkali soils in lowland plains and basins at elevations between 16 to 509 feet. The species flowers from May until October.	NO	NO	NO	No wetland-riparian communities, Shadscale scrub, or grassland habitat occurs on or near the Project.
<i>Delphinium recurvatum</i>	recurved larkspur	1B.2	This perennial plant is commonly found in chenopod scrub, valley and foothill grassland and cismontane woodland. It is most common on sandy or clay alkaline soils. It flowers from March to May, and it ranges in elevation from 10 to 2,592 feet.	YES	UNLIKELY	NO	This plant would only be present within the small, approximately 200-foot-long area of chenopod scrub that occurs in the Project site. This species was not observed on the Project site and it is unlikely to occur. Even if present, construction activities would not be expected to significantly affect either local or regional survival of this species.
<i>Hordeum intercedens</i>	vernal barley	3.2	This annual grass occurs in many soil types in valley grassland, wetland, and riparian areas. It flowers between March and June and ranges in elevation from 10 to 2,625 feet.	YES	UNLIKELY	NO	This plant would only be present within the small, approximately 200-foot-long area of chenopod scrub that occurs in the Project site. This species was not observed on the Project site and it is unlikely to occur. Even if present, construction activities would not be expected to significantly affect either local or regional survival of this species.
<i>Layia munzii</i>	Munz's tidy-tips	1B.2	This annual herb prefers chenopod scrub, and/or valley and foothill grassland. It flowers between March and April, and it ranges in elevation from 492 to 2,297 feet.	NO	NO	NO	The Project is below the elevational range of this species. This species occurs primarily in open grasslands that are not present on the Project site.
<i>Lepidium Jaredii ssp. album</i>	Panoche pepper-grass	1B.2	This annual herb occurs in washes and alluvial fans in valley grassland in the western San Joaquin Valley. It flowers between February and June and ranges in elevation from 755 to 2,560 feet.	NO	NO	NO	The Project is below the elevational range of this species. This species occurs primarily in open grasslands that are not present on the Project site.
<i>Monolopia congdonii</i>	San Joaquin woollythreads	CE, 1B.2	This annual herb prefers chenopod scrub, and/or valley and foothill grassland. It flowers between February and May, and it ranges in elevation from 197 to 2,625 feet.	YES	UNLIKELY	NO	This plant would only be present within the small, approximately 200-foot-long area of chenopod scrub that occurs in the Project site. This species was not observed on the Project site and it is unlikely to occur.... Limited habitat that could support this species is present along wetted areas of canals and ditches. These areas are routinely maintained and are not likely to support the species. This plant was not observed on the Project and impacts to this species is not likely to occur. Even if present, construction activities would not be expected to significantly affect either local or regional survival of this species.
<i>Nama stenocarpa</i>	mud nama	2B.2	This annual herb is found in wetlands and on the edges of streams and rivers. It flowers from January through July and occurs from 0 to 2,755 feet elevation	YES	NO	NO	

Scientific Name	Common Name	Listing Status	General Habitat Description	Suitable Habitat Present on site	Potentially Affected by Project?	Viability Threat?	Comments
<i>Puccinellia simplex</i>	California alkali grass	1B, 2	This annual herb occurs in Chenopod scrub, meadows and seeps, valley and foothill grassland, and vernal pools. It occurs in alkaline, vernal mesic soil, and in sinks, flats, and lake margins. It flowers between March and May, and it ranges in elevation from 6 to 3,051 feet.	YES	UNLIKELY	NO	This plant would only be present within the small, approximately 200-foot-long area of chenopod scrub that occurs in the Project site. This species was not observed on the Project site and it is unlikely to occur. Even if present, construction activities would not be expected to significantly affect either local or regional survival of this species.
<b>Special-status Invertebrates</b>							
<i>Bombus crotchii</i>	Crotch bumble bee	G3G4, S1S2	This bee occurs in relatively warm and dry sites, including the inner Coast Range of California and the margins of the Mojave Desert. It can be found in open grassland and scrub habitats. Nesting occurs underground. This species is classified as a short-tongued species, whose food plants include <i>Asclepias</i> , <i>Chaenactis</i> , <i>Lupinus</i> , <i>Medicago</i> , <i>Phacelia</i> , and <i>Salvia</i> .	NO	NO	NO	This species occurs in relatively dry grassland and scrub habitat that are absent from the Project site. Even if present, construction activities would not be expected to significantly affect either local or regional survival of this species.
<i>Branchinecta lynchi</i>	vernal shrimp pool fairy	FT	This fairy shrimp species occurs in and is endemic to the eastern margin of the central coast mountains. It is found seasonally in static grassland vernal pools and inhabits small, clear-water depressions in sandstone and clear-to-turbid clay/grass-bottomed pools in shallow swales.	NO	NO	NO	Vernal pools, which are necessary to support viable populations of this species, are absent from the Project site.
<i>Cicindela tranquebarica</i> sp.	San Joaquin beetle tiger	G5, S1	This beetle species is a spring/fall species that occurs in a wide variety of open sandy habitats. It prefers sandy substrates with sparse to moderate vegetation. It is a gregarious species and can be found along road side ditches, sandy washes, edges of sandy lakes and rivers, blowouts, and sand dunes.	NO	NO	NO	Soils occurring on the Project site are mostly clay or clay loam soils, but there are some sandy loam soils also present. This species occurs in soils that are typically very sandy, which do not occur on the Project site. The portions of the site where sandy loam soils occur are highly disturbed by agricultural activities and road maintenance activities, which would preclude this species from occurring.
<i>Desmoeris californicus dimorphus</i>	valley elderberry longhorn beetle	FT	This beetle species is associated with and entirely dependent on elderberry bushes ( <i>Sambucus</i> spp.). Its range extends throughout the San Joaquin Valley, except in Kern, Kings, and Tulare Counties.	NO	NO	NO	Scattered elderberry bushes exist near the Project, but the Project is outside of the distributional range of this species.
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	FE	This fairy shrimp species occurs in vernal pools with clear to high turbidity.	NO	NO	NO	Vernal pools, which are necessary to support viable populations of this species, are absent from the Project site.
<b>Special-status Fish</b>							
<i>Hypomesus transpacificus</i>	delta smelt	FE, CT	This species occurs in the Sacramento and San Joaquin estuaries of the San Francisco Bay. Occurs primarily in main water bodies and sloughs of the Delta and Suisun Bay. Not directly associated with small stream systems.	NO	NO	NO	The Project is outside of the distributional range of the delta smelt.
<b>Special-status Amphibians</b>							
<i>Ambystoma californiense</i>	California salamander tiger	FT, CT	This species occurs in natural ephemeral pools or ponds that mimic them, and that remain inundated for 12 weeks or more. It requires nearby upland habitat containing small mammal burrows or crevices that provide refugia.	NO	NO	NO	Suitable breeding areas that could support this species are absent from the Project site, the nearest record of this species is over 10 miles from the Project site, and there were very few small mammal burrows, which is a required component providing refugia within suitable upland habitat, occurring on the Project site.

Scientific Name	Common Name	Listing Status	General Habitat Description	Suitable Habitat Present on site	Potentially Affected by Project?	Viability Threat?	Comments
<i>Spea hammondi</i>	western spadefoot	CSC	This species occurs primarily in grassland habitats but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	YES	UNLIKELY	NO	Suitable habitat for breeding is present in the ditches and dirt-lined canals occurring on and near the Project site. Although flowing water would not be suitable as breeding habitat, as irrigation decreases and pools form in the bottom of ditches, breeding could occur. The period when standing water is present would mostly be during times of the year that would not support the species, and it is not likely that this species is present. Even if present, Project activities would not be expected to significantly affect the local or regional survival of this species.
<i>Rana draytonii</i>	California red legged frog	FT, CSC	This species occurs in small streams, ponds and marshes, preferably with dense shrubby vegetation such as cattails and willows near deep water pools.	YES	NO	NO	There were some canals and marshes with dense vegetation that were on and near the Project. However, the nearest occurrence record for this species is over 10 miles away, and the presence of non-native bullfrogs in the canals and marshy areas would preclude the presence of the California red legged frog.
<b>Special-status Reptiles</b>							
<i>Arizona elegans occidentalis</i>	California glossy snake	CSC	This species inhabits arid scrub, rocky washes, grasslands, chaparral, and appears to prefer open microhabitats and areas with soil loose enough for easy burrowing.	YES	NO	NO	Although suitable habitat exists on a small portion of Valley Sink Scrub habitat that occurs on the Project site the Project is over 10 miles outside of the distributional range of the California glossy snake.
<i>Gambelia sila</i>	blunt-nosed leopard lizard	FE, CE, FP	This species occurs in sparsely vegetated alkali and desert scrub habitats, in areas of low topographic relief. It seeks cover in mammal burrows, under shrubs, or structures such as fence posts.	NO	NO	NO	Most of the Project site is not suitable to support this species. The small remnant of Valley Sink Scrub is not sufficient in size or quality to support a viable, long-term, self-sustaining blunt-nosed leopard lizard population. The Project is over 10 miles from the nearest known occurrence of this species.
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip	CSC	This species occurs in open, dry, treeless areas such as the Chenopod scrub, valley and foothill grassland. It takes refuge in rodent burrows, under shaded vegetation, and under surface objects.	YES	UNLIKELY	NO	Most of the Project site is not suitable to support this species. The small remnant of Valley Sink Scrub is not sufficient in size or quality to support a viable, long-term, self-sustaining population of this species. Even if present, Project activities would not be expected to significantly affect the local or regional survival of this species.
<i>Thamnophis gigas</i>	giant gartersnake	FT, CT	This species primarily occurs in permanent or semi-permanent marshes and sloughs, drainage canals, and irrigation ditches, particularly around rice fields. It prefers to reside in sloughs that are flooded in summer and dry in winter. It can occasionally be found in slow-moving creeks. It prefers locations with vegetation close to the water for basking.	YES	UNLIKELY	NO	Flooded canals and ditches that could support this species are found on and near the Project site, and the wetlands surrounding the Kings River to the east of the Project site are also appropriate habitat. The canals and ditches on and near the Project site are subject to routine maintenance and vegetation removal and are not likely to support the species. The nearest known location of the giant garter snake is nearly 10 miles to the north of the Project. The giant garter snake was not observed during the on-site survey, and the Project is not likely to result in take of this species.
<i>Emys marmorata</i>	western pond turtle	CSC	This species occurs in ponds, small lakes, marshes, slow moving streams, reservoirs, and brackish water with abundant vegetation and suitable basking sites.	YES	UNLIKELY	NO	Flooded canals and ditches suitable for this species are found on the Project site, and the wetlands along the Kings River are also appropriate habitat. No pond turtles were observed during the survey and they would not be present in the on-site canals and ditches when dry. The small amount of temporary disturbance to these habitats is unlikely to cause a threat to the viability of this species.
<b>Special-status Birds</b>							
<i>Agelaius tricolor</i>	tricolored blackbird	CT, MBTA	This species occurs near fresh water, and prefer emergent wetland vegetation with tall, dense cattails or tules, but is also found in thickets of willow, blackberry, wild rose, and tall herbs. It has been found to nest and forage in grassland and agricultural fields (pastures, dairies, rice fields). A highly social nester, it occurs in large colonies.	YES	UNLIKELY	NO	Nesting colonies of tricolored blackbird are seminomadic and often change location from year to year. They may be affected if a nesting colony is located in or near construction activities. This species was not observed during surveys of the Project site and only small, isolated areas of potential habitat are present. Project activities are unlikely to impact this species, but avoidance measures are appropriate to ensure that no impacts would occur.

Scientific Name	Common Name	Listing Status	General Habitat Description	Suitable Habitat Present on site	Potentially Affected by Project?	Viability Threat?	Comments
<i>Athene cunicularia</i>	Western burrowing owl	CSC, MBTA	This species occurs in open annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation.	YES	UNLIKELY	NO	Much of the Project site is suitable habitat for this species, particularly those areas that are less disturbed and that are not routinely maintained and managed as agricultural lands or roadways. No burrowing owls were observed on the Project site, but this species could become present prior to the start of construction. There are records of this species occurring on the Lemoore Naval Air Station, to the west of the Project. Avoidance measures are provided that would ensure that the Project would not impact this species.
<i>Buteo swainsoni</i>	Swainson's hawk	CT, MBTA	This species occurs in riparian forests and other forested areas. It roosts in a variety of trees and forage widely over forests, grasslands, and shrublands. It is easily disturbed by human activities.	YES	UNLIKELY	NO	Potential nesting trees are located near the Project but no nesting Swainson's hawks were observed near the Project. The Project will not result in permanent impacts to foraging habitat and only minor areas of temporary disturbance to foraging habitat. Avoidance measures are recommended that would eliminate the potential for the Project to impact nesting Swainson's hawks.
<i>Charadrius alexandrinus nivosus</i>	western snowy plover	FT, CSC MBTA	This species occurs along sandy beaches, salt pond levees and shores of large alkali lakes. It needs sandy, gravelly or friable soils for nesting. It winters in the San Joaquin Valley where it forages in agricultural field	NO	NO	NO	The sandy beach habitat required for both foraging and nesting is not present on the Project. It could forage in the vicinity of the Project during the winter, but no impacts to foraging habitat are anticipated.
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	CSC, MBTA	This species nests in fresh emergent wetlands with dense vegetation and deep water, often along borders of lakes or ponds. It forages in emergent wetlands and moist, open areas, especially cropland and muddy shores of lacustrine habitat. It has a restricted distribution in the Central Valley in the winter, occurring mainly in the western portion of the Valley.	YES	UNLIKELY	NO	Small areas of cattail and tule wetland near the Kings River may support yellow-headed blackbirds. None were observed during the site survey. There is a low potential that this species could nest or forage near the Project site but measures are recommended that would ensure avoidance of this species.
<b>Special-status Mammals</b>							
<i>Ammospermophilus nelsoni</i>	San Joaquin antelope squirrel	CT	This species occurs in saltbush scrub and grassland habitats. It prefers washes and open shrub areas with sandy soils.	YES	NO	NO	This species was not observed on or near the Project site and it is unlikely to occur on the Project site because the small patch of appropriate habitat and not extensive enough to support a viable population. The nearest San Joaquin antelope squirrel occurrence in CNDDDB is approximately 9 miles south of the Project.
<i>Dipodomys ingens</i>	giant kangaroo rat	FE, CE	This species is associated with annual grasslands on the western side of the San Joaquin valley and have marginal habitat in alkali scrub. It requires level terrain and sandy loam soils for burrowing.	YES	NO	NO	A small area of alkali scrub is within the Project buffer, but the patch is too small to sustain a populations of giant kangaroo rats and the Project is over 10 miles to the east of known giant kangaroo rat occurrences.
<i>Dipodomys nitratoides exilis</i>	Fresno kangaroo rat	FE, CE	This species historically occurred in alkali sink and open grassland habitats on the valley floor in Fresno County and portions of Tulare, Kings, and Madera counties. The last confirmed specimen was captured in 1992 and it may be extinct.	YES	NO	NO	No kangaroo rat burrows were located on or near the Project site during the preconstruction survey and the small patch of suitable habitat is not likely large enough to support a viable population of this species..
<i>Dipodomys nitratoides nitratoides</i>	Tipton kangaroo rat	FE, CE	This species occurs in saltbrush scrub and sink scrub communities in the Tulare Lake Basin of the southern San Joaquin valley. It needs soft friable soils which escape seasonal flooding to dig burrows in elevated soil mounds at the base of shrubs.	YES	NO	NO	No kangaroo rat burrows were located on or near the Project site during the preconstruction survey and the small patch of suitable habitat is not likely large enough to support a viable population of this species...

Scientific Name	Common Name	Listing Status	General Habitat Description	Suitable Habitat Present on site	Potentially Affected by Project?	Viability Threat?	Comments
<i>Lasiurus cinereus</i>	hoary bat	G5, S4	This species occurs in deciduous and coniferous forests and woodlands, including areas altered by humans. Roost sites usually occur in tree foliage with dense foliage above and open flying room below, often at the edge of a clearing and commonly in hedgerow trees. Sometimes it roosts in rock crevices, but rarely in caves. When hibernating, it has been found on tree trunks, in a tree cavity, in a squirrel's nest, and in a clump of Spanish-moss.	YES	NO	NO	There is no suitable habitat on the Project site that would provide roosting habitat for this species. There is suitable roosting habitat along the Kings River, but those areas would not be affected by the Project.
<i>Sorex inornatus</i> <i>relicus</i>	Buena Vista Lake ornate shrew	FE	This species is restricted to wetland areas with suitable leaf-litter. It is restricted to the southern San Joaquin Valley.	NO	NO	NO	There is habitat that could potentially support this species along the Kings River but there are no historic observations of this species within 10 miles of the Project. Critical habitat is designated for this species approximately 0.5 miles to the east of the Project site, east of the Kings River. The Project will not impact this species or Critical habitat designated for this species. Though badgers are uncommon, they range throughout almost all of California. The presence of badgers is possible on the Project. This species may be impacted by construction, but this impact is unlikely to result in a threat to the species' viability due to the small scale of the impact. Avoidance measures are recommended that would ensure that this species is not affected by the Project.
<i>Taxidea taxus</i>	American badger	CSC	This species occurs in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. It needs sufficient food and open, uncultivated ground. It preys on burrowing rodents and digs burrows.	YES	UNLIKELY	NO	No observations or diagnostic signs of this species were observed during the on-site survey. CNDDB records of San Joaquin kit fox near the Project suggest that it may be present in the Project area. This species has the potential to be impacted by the Project, but avoidance measures are recommended that would eliminate the potential for this species to be affected by the Project.
<i>Vulpes macrotis</i> <i>mutica</i>	San Joaquin kit fox	FE, CT	This species occurs in annual grasslands or grassy open stages with scattered shrubby vegetation. Need loose-textured sandy soils for burrowing, and suitable prey base.	YES	UNLIKELY	NO	No observations or diagnostic signs of this species were observed during the on-site survey. CNDDB records of San Joaquin kit fox near the Project suggest that it may be present in the Project area. This species has the potential to be impacted by the Project, but avoidance measures are recommended that would eliminate the potential for this species to be affected by the Project.



**APPENDIX B**

**REPRESENTATIVE PHOTOGRAPHS OF THE PROJECT SITE**







**Photograph 1:** Pistachio orchard and irrigation ditch.  
36.2812, -119.8697, view west.  
Photograph taken by Dylan Ayers on June 14, 2018.



**Photograph 2:** Irrigation ditch, young orchard, and row crops.  
36.2991, -119.8870, view east.  
Photograph taken by Dylan Ayers on June 14, 2018.



## Photo Plate 1



**Photograph 3:** View along Ditch 10 to box culvert under State Route 198.  
36.2578, -119.8627, view west.  
Photograph taken by Dylan Ayers on June 14, 2018.



**Photograph 4:** Dry irrigation ditch adjacent to Project.  
36.2853, -119.8727, view south.  
Photograph taken by Dylan Ayers on June 14, 2018.



## Photo Plate 2



**Photograph 5:** Potential San Joaquin kit fox den.  
36.2577, -119.8647, view east.  
Photograph taken by Dylan Ayers on June 14, 2018.



**Photograph 6:** View of Alkali Sink Scrub and ruderal habitat.  
36.2577, -119.8632, view south.  
Photograph taken by Dylan Ayers on June 14, 2018



### Photo Plate 3



**Photograph 7:** View along southern section of Project.  
36.2553, -119.8641, view east.  
Photograph taken by Dylan Ayers on June 14, 2018.



**Photograph 8:** Old duck club.  
36.2870, -119.8704, view east.  
Photograph taken by Dylan Ayers on June 14, 2018.



## Photo Plate 4



**Photograph 9:** Stormwater drainage ditch on Project.  
36.2577, -119.8632, view east.  
Photograph taken by Dylan Ayers on June 14, 2018.



**Photograph 10:** North end of Project.  
36.3067, -119.8872, view south.  
Photograph taken by Dylan Ayers on June 14, 2018.



## Photo Plate 5



**Photograph 11:** Dry irrigation ditch and ruderal vegetation.  
36.2622, -119.8692, view southeast.  
Photograph taken by Dylan Ayers on June 14, 2018.



**Photograph 12:** Rural residence, dry irrigation ditch and ruderal vegetation.  
36.2622, -119.8692, view southeast.  
Photograph taken by Dylan Ayers on June 14, 2018.



## Photo Plate 6



**Photograph 13:** Kings River, bridge, and cliff swallows east of Project.  
36.2557, -119.8552, view southwest.  
Photograph taken by Dylan Ayers on June 14, 2018.



**Photograph 14:** Valley Sink Scrub near southern end of Project.  
36.2577, -119.8625, view south.  
Photograph taken by Dylan Ayers on June 14, 2018.



## Photo Plate 7





**APPENDIX C**

**CULTURAL RESOURCES/TRIBAL CULTURAL RESOURCES REFERENCES**





June 21, 2018

**RE: Cultural Resource Records Search for Leprino Pipeline project, Kings County, CA**

A cultural resources records search (RS# 18-277) was conducted at the Southern San Joaquin Valley Information Center, CSU Bakersfield, for the Leprino Pipeline project in Kings County, CA. The proposed project consists of approximately 4½ miles of pipeline alignment located southwest of Lemoore in Kings County, CA.

The records search covered an area within one half mile of the pipeline route and included a review of the *National Register of Historic Places*, *California Points of Historical Interest*, *California Registry of Historic Resources*, *California Historical Landmarks*, *California State Historic Resources Inventory*, and a review of cultural resource reports on file.

The records search indicated that six cultural resource surveys previously had been conducted on or adjacent to portions of the alignment. These include five linear surveys that intersected with the alignment at various points (Bureau of Reclamation 1983; Love and Tang 2002a, 2002b; Kamanski 2010; Asselin et al. 2016) and one that was conducted immediately adjacent to and east of a three-mile segment of the alignment (Coleman 2012). The historic resources have been previously analyzed and determined not NRHP/CRHR eligible. No additional cultural resource surveys have been performed within a half mile of the proposed pipeline alignment.

Nine cultural resource properties have been recorded within a half mile of the pipeline. These consist of five historical sites, including three buildings associated with the nearby Lemoore Naval Base, and a PG&E transmission line and tower. Prehistoric resources include two flaked stone scatters and two isolated artifacts. The prehistoric resources have been previously analyzed and determined not NRHP/CRHR eligible and they have no research value. No additional cultural resources have been recorded within a half mile of the alignment.

No cultural resources were identified within the footprint of the project site as a result of the study and no further cultural resource work is recommended for the project at this time. With implementation of standard mitigation measures, impacts of the proposed project to cultural resources is anticipated to be less than significant.

*Robert E. Parr*

Robert E. Parr, MS, RPA  
Senior Archaeologist

## References

Asselin, Katie, Randy Baloian, Aubrie Morlet, Michael J. Mirro, Jennifer Whiteman, Josh Tibbet and Mary Baloian

2016 Cultural Resources Inventory and Evaluation for the Central Valley Power Connect Project, Fresno, Kings, and Madera Counties, California. Report prepared for Pacific Gas and Electric Company, San Francisco, CA. (KI-287)

Bureau of Reclamation (Mid-Pacific Region, Office of Environmental Quality)

1983 Class II Archaeological Survey, San Luis Drain and Alternatives, Central Valley Project, San Luis Unit, California. (KI-60)

Coleman, Jason A.

2012 Cultural Resources Survey Report for the Nederend South WRP Project, Kings County, California. (KI-209)

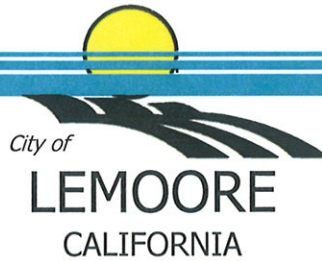
Kamanski, P.

2010 Fresno Reliability Transmission Project. Report prepared for Pacific Gas and Electric, San Ramon, CA. (KI-197)

Love, Bruce, and Bai "Tom" Tang

2002a Historic Property Survey Report: Cross Valley Rail Corridor Project Between the Cities of Visalia and Huron, Tulare, Kings, and Fresno Counties, California. (KI-109)

2002b Archaeological Survey Report: Cross Valley Rail Corridor Project Between the Cities of Visalia and Huron, Tulare, Kings, and Fresno Counties, California. (KI-110)



711 W. Cinnamon Drive • Lemoore, CA 93245 • Building (559) 924-6730 • Planning (559) 924-6740  
Development Services Department  
Building/Planning/Housing

July 3, 2018

Ruben Barrios, Tribal Chairman  
Santa Rosa Rancheria Tachi Tribe  
C/O Cultural Department  
P.O. Box 8  
Lemoore, CA 93245

RE: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014). A Formal Notification of a Decision to Undertake a Project and Notification of Consultation Opportunity, pursuant to Public Resources Code § 21080.3.1 (hereafter PRC).


Dear Mr. Barrios:

The City of Lemoore (City) is proposing to undertake the following project:

**Combined Effluent/Recycled Water Discharge to the Stone Ranch.** The Project is the construction and operation of a pump station and pipeline to an agricultural irrigation recycled water reuse area, the Stone Ranch. It will make beneficial reuse of treated combined effluent from Leprino Foods' two facilities and the City's WWTP by using it for agricultural irrigation of feed and fodder crops. Leprino and Lemoore propose to discharge up to 5.0 mgd of treated combined effluent that will be conveyed via pipeline to the Ranch. The combined effluent will be blended with groundwater within the existing Stone Ranch irrigation canal system, and the blended water supply will be directly used for irrigation. The project site is located five miles west of Lemoore, immediately east of Lemoore Naval Air Station.

Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the City. Should you have any comments or questions please contact our designated representative, Judy Holwell, at (559) 924-6704 or at [jholwell@lemoore.com](mailto:jholwell@lemoore.com).

Thank you,



Steve Brandt, AICP  
Contract City Planner

Enclosures: Figure 1 – Project Boundary Map

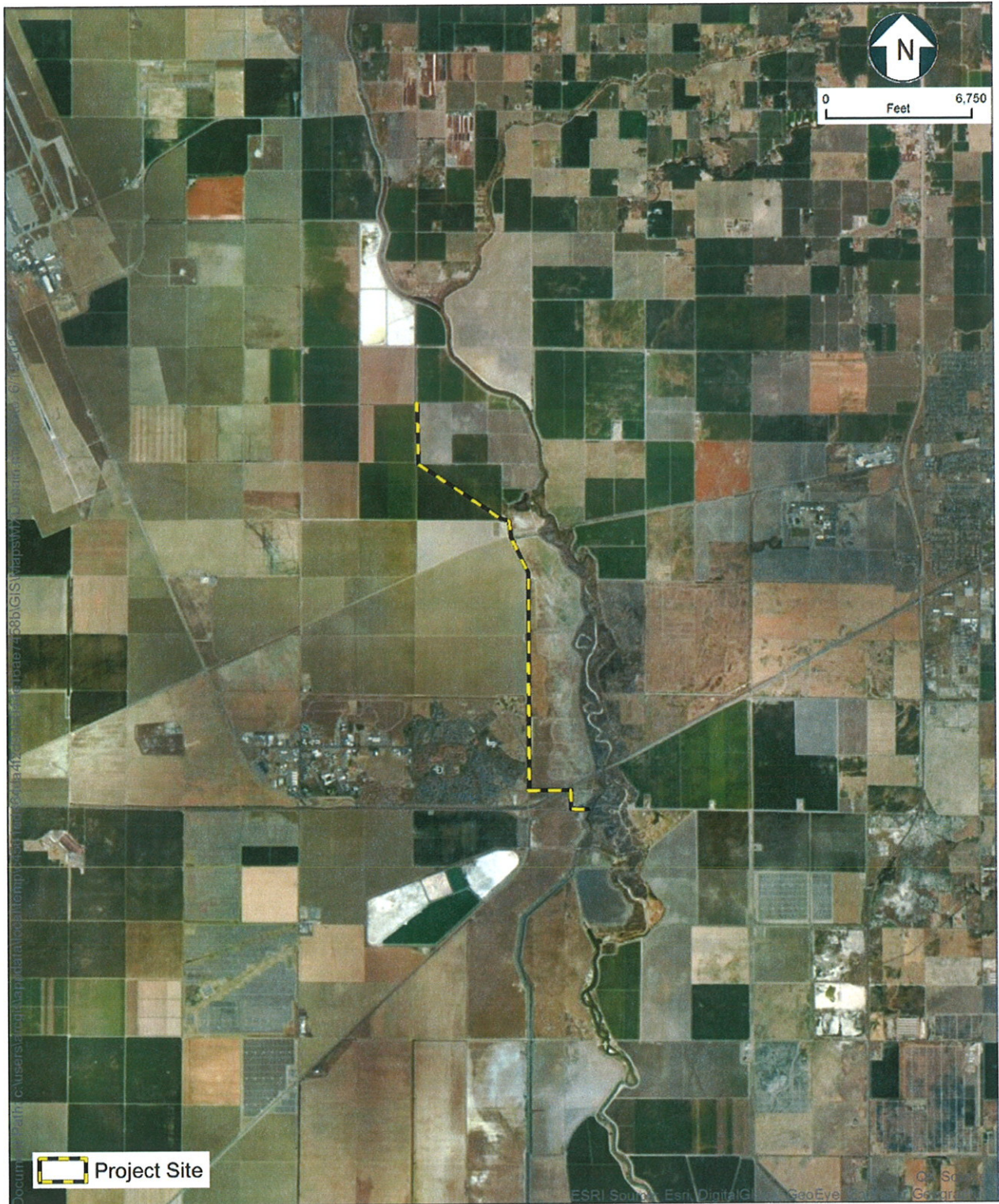


Figure 1 – Project Area Boundary



711 West Cinnamon Drive • Lemoore, California 93245 • (559) 924-6700 • Fax (559) 924-6708

## Staff Report

**Item No: 5-1**

**To: Lemoore City Council**

**From: Michelle Speer, Assistant City Manager**

**Date: September 6, 2018 Meeting Date: September 18, 2018**

**Subject: Budget Adjustment – Fire Prevention Inspector Position – Resolution 2018-44**

**Strategic Initiative:**

- |  |  |
|--|--|
| <input type="checkbox"/> Safe & Vibrant Community            | <input type="checkbox"/> Growing & Dynamic Economy         |
| <input type="checkbox"/> Fiscally Sound Government           | <input checked="" type="checkbox"/> Operational Excellence |
| <input type="checkbox"/> Community & Neighborhood Livability | <input type="checkbox"/> Not Applicable                    |

**Proposed Motion:**

Approve Resolution 2018-44 adopting the proposed salary range for the Fire Prevention Inspector, adopt the Fire Prevention Inspector job description, approve the budget adjustment of \$45,500, and authorize the City Manager, or his designee, to add to the salary schedule.

**Subject/Discussion:**

City staff analyzed current staffing and capabilities in the Building division to meet current and future service delivery, community priorities, and State and Federal requirements. Staff found Building Inspectors currently experience a high volume of inspections. In order to meet the challenge of providing necessary and state mandated fire and life safety inspections in the growing City of Lemoore, City staff is recommending an additional position of Fire Prevention Inspector, to be budgeted in the Fire Department.

In 2017, the Lemoore Volunteer Fire Department responded to 400 fire calls in the City of Lemoore. As the City grows and buildings age, the amount of fires may increase. The Fire Prevention Inspector will perform all fire safety and prevention inspections and implement fire prevention and investigation programs.

*“In God We Trust”*

Additionally, the Fire Prevention Inspector will work in conjunction with the Lemoore Volunteer Fire Department on many projects including fire prevention classes and presenting public education programs to the community, schools, service clubs, and businesses.

The gap between the demand for service and the available resources represents a critical need for the City to staff this additional position. If approved, the City's intent is to have a Fire Prevention Inspector hired by the beginning on the next calendar year.

**Financial Consideration(s):**

The proposed salary range for the Fire Prevention Inspector is \$48,080 - \$61,363 (Range 57). The maximum fiscal impact (salary and benefits) for fiscal year 2018-2019 with the addition of this position is \$45,500.

**Alternatives or Pros/Cons:**

**Pros:**

- Reinvigorated focus on fire inspections
- Additional support for building inspectors
- Public education on fire prevention
- Additional, full-time, support for fire investigations

**Cons:**

- Requires an amendment to the adopted fiscal year 2018-2019 budget.

**Commission/Board Recommendation:**

Not Applicable

**Staff Recommendation:**

City staff recommends approval of Resolution 2018-44 adopting the salary range for the Fire Prevention Inspector, approval of the Fire Prevention Inspector job description, approval of the budget adjustment in the amount of \$45,500 to the General Fund and authorizing the City Manager, or his designee, to add to the current salary schedule.

**Attachments:**

- Resolution: 2018-44
- Ordinance:
- Map
- Contract
- Other

List: Job Description  
Budget Amendment

**Review:**

- Asst. City Manager
- City Attorney
- City Clerk
- City Manger
- Finance

**Date:**

- 09/11/18
- 09/12/18
- 09/13/18
- 09/12/18
- 09/12/18



**FIRE PREVENTION INSPECTOR**

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.*

**DEFINITION**

To plan, organize, coordinate, and implement fire prevention and fire investigation programs for the City including fire code interpretation, enforcement, and abatement activities; to oversee and participate in the performance of a variety of duties involved in conducting fire and life safety inspections to enforce compliance with laws, ordinances, and regulations pertaining to the prevention and control of fires; to oversee and participate in the conduct of fire investigations to determine cause and origin of fires; to coordinate assigned activities and services with other jurisdictions; and to develop and present public education programs to the community, schools, service clubs, and businesses including fire prevention classes through partnership with LVFD.

**SUPERVISION RECEIVED AND EXERCISED**

Receives general supervision from City Manager, or designee.

Exercises no supervision.

**ESSENTIAL FUNCTION STATEMENTS**--*Essential responsibilities and duties may include, but are not limited to, the following:*

**Essential Functions:**

1. Plan, organize, and coordinate fire prevention and fire investigation programs for the City; plan and schedule fire inspections of local businesses and commercial enterprises for each shift in order to provide a consistent and equitable inspection system.
2. Communicate effectively with local business community, the general public, and other interested parties and agencies on questions, interpretations, and enforcement of current fire codes, local ordinances, and related codes, rules, and regulations.
3. Perform fire safety and fire prevention inspections; inspect for compliance with fire and life safety codes as well as City, state, and federal legislation applicable to commercial, industrial, institutional, and public occupancies; prepare notices to correct violations and ensures corrective action is taken when violations are found; complete follow-up inspections as necessary.
4. Perform annual hazard inspections, fire flow tests, and fire protection systems tests as necessary.
5. Review current construction projects for compliance with applicable fire codes, related ordinances, and policies, specifying in writing the changes necessary to comply with adopted fire codes and ordinances prior to permit issuance; works closely with other departments and outside agencies on plan review issues as well as on issues concerning future construction projects.
6. Provide technical fire protection assistance to builders, contractors, developers, and the general public including in the areas of fire-safe construction, installation of fire control systems, and compliance with procedures and codes.

## **CITY OF LEMOORE**

Fire Prevention Inspector (*Continued*)

7. Coordinate and work closely with local, state, and federal jurisdictions regarding fire and life safety issues as they pertain to code and inspection issues or inspections.
8. Maintain inspection files for all City inspected businesses and commercial enterprises; compile and maintain current information regarding business types and locations as well as changes to site and responsible parties; forward documents to appropriate agencies as required.
9. Develop and present educational programs in fire and life safety for schools, service groups, businesses and citizens.
10. Research and determine necessary City ordinance changes and fire code acceptances or possible deferments as requested by the Department as well as the City including to local, state, and federal codes and/or standards.
11. Prepares court cases in conjunction with City Attorney and testifies in court as required.
12. Participate in budget development processes; compile budget requests for assigned operations.
13. Perform other related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

Pertinent federal, state, and local laws, codes, regulations, rules, and ordinances pertaining to fire prevention, safety, and hazardous materials.

Principles and techniques of building inspection work, building materials and construction, and principles of combustion; building codes, regulations, and techniques as well as exceptions or like practices as they pertain to construction and renovation within the City.

Principles, practices, and procedures of modern fire protection theory and techniques.

Procedures, techniques and operation of various fire equipment such as fire extinguishers, sprinkler and alarm systems, fire hydrants, and other extinguishing systems.

Fire prevention and firefighting methods and techniques.

Methods and techniques of fire investigation.

Methods and techniques of public relations.

Modern office equipment and computers including applicable software applications.

Basic principles and practices of municipal budget preparation and administration

### **Ability to:**

Conduct a variety of building and fire code inspections and ensure compliance with applicable laws, codes, and standards.

Read, interpret and make corrections on building plans as they relate to fire code requirements.

Detect and evaluate a wide variety hazardous conditions and materials.

Interpret, apply, and make decisions in accordance with applicable federal, state, and local policies, laws, and regulations.

Explain technical code requirements to developers, contractors, and the general public.

Collect, analyze, and evaluate data and prepare reports and recommendations.

Prepare and present professional fire safety presentations to civic organizations.

Deal firmly but fairly with violators and prospective violators of fire codes.

Analyze facilities and recommend effective fire safety measures.

Retain presence of mind and act quickly and calmly in emergency situations.

Effectively use specialized public safety tools and equipment including safety equipment.

Meet the physical requirements necessary to safely and effectively perform the assigned duties.

Operate modern office equipment and computers including applicable software applications.

## **CITY OF LEMOORE**

Fire Prevention Inspector (*Continued*)

Effectively present information and respond to questions from other staff and the general public.  
Communicate clearly and concisely, both orally and in writing.  
Establish and maintain effective working relationships with those contacted in the course of work.

### **Experience and Training Guidelines**

*Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:*

#### **Training:**

Equivalent to the completion of the twelfth grade supplemented by specialized training in fire science, fire protection engineering, or related field.

#### **Experience:**

Three years increasingly responsible experience in fire suppression and/or prevention.

### **License or Certificate**

Possession of, or ability to obtain an appropriate, valid driver's license.  
Possession of P.C 832 Certificate within six (6) months of hire.  
Completion of the Fire Prevention Officer I and II course work within one (1) year of hire.  
Completion of Fire Investigation coursework within two (2) years of hire.

### **WORKING CONDITIONS**

**Environmental Conditions:** Office environment with frequent travel to various locations to conduct inspections and/or attend meetings.

**Physical Conditions:** Essential and marginal functions may require maintaining physical condition necessary for light lifting, bending, stooping and climbing; walking and standing for prolonged periods of time.



## CITY OF LEMOORE BUDGET AMENDMENT FORM

Date:	9/10/2018	Request By:	Michelle Speer
Requesting Department:	4222		

**TYPE OF BUDGET AMENDMENT REQUEST:**

- Appropriation Transfer within Budget Unit
- All other appropriations (Attach Council approved Staff Report)

**FROM:**

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
001			\$ -	\$ (45,500.00)	\$ (45,500.00)

**TO:**

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
001	4222	4010	\$ 84,350.00	\$ 45,500.00	\$ 129,850.00

**JUSTIFICATION FOR CHANGE/FUNDING SOURCE:**


**APPROVALS:**

Department Head:	Date:
City Manager:	Date:
Completed By:	Date:

**RESOLUTION NO. 2018-44**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LEMOORE  
AMENDING THE CLASSIFICATION AND SALARY SCHEDULE**

**WHEREAS**, the City Council of the City of Lemoore previously adopted Resolution 2017-28 and its attached Classification and Salary Schedule, with an effective date of October 17, 2017;

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of the City of Lemoore as follows:

The Fire Prevention Inspector position will be added, with the attached job description, and allocated to the Fire Department and will be an unrepresented, exempt position, with a salary range of \$48,080 to \$61,363

1. The City Manager and staff are hereby authorized to implement this Resolution and fill the position if vacant.
2. This Resolution shall be effective immediately upon its adoption.

**PASSED AND ADOPTED** by the City Council of the City of Lemoore at a regular meeting held on the 18<sup>th</sup> day of September 2018 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINING:

ATTEST:

APPROVED:

\_\_\_\_\_  
Mary J. Venegas, City Clerk

\_\_\_\_\_  
Ray Madrigal, Mayor



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## Staff Report

**Item No: 5-2**

**To: Lemoore City Council**  
**From: Michelle Speer, Assistant City Manager**  
**Date: September 6, 2018 Meeting Date: September 18, 2018**  
**Subject: Budget Adjustment – Information Technology Analyst Position – Resolution 2018-45**

### **Strategic Initiative:**

- |  |  |
|--|--|
| <input type="checkbox"/> Safe & Vibrant Community            | <input type="checkbox"/> Growing & Dynamic Economy         |
| <input type="checkbox"/> Fiscally Sound Government           | <input checked="" type="checkbox"/> Operational Excellence |
| <input type="checkbox"/> Community & Neighborhood Livability | <input type="checkbox"/> Not Applicable                    |

### **Proposed Motion:**

Approve Resolution 2018-45 adopting the proposed salary range for the Information Technology Analyst, approve the budget adjustment of \$32,250, and authorize the City Manager, or his designee, to add to the salary schedule.

### **Subject/Discussion:**

On October 17, 2017, City Council approved the Information Technology Analyst job description. At the time, the position was added as a future need. As Information Technology (IT) is constantly changing and evolving, City staff has found the need for a full-time IT Analyst has arrived. The City currently utilizes a contracted individual for IT services, who is onsite one day a week.

With many important projects on the horizon, such as Utility Billing online services, design and implementation of City dispatch and a new voice over internet protocol (VOIP) phone system, the IT Analyst will provide daily project management for the City's technology needs.

The IT Analyst will also be responsible for overseeing the City's network and server infrastructure for the entire City. The Police Department (PD) currently contracts with Kings County for IT Services. When the new dispatch center is in operation, the City will

*"In God We Trust"*

no longer utilize Kings County IT. This means the IT Analyst will take over the maintenance of all PD equipment which includes, 30 computers, 32 mobile data terminals, 5 laptops, and dispatch equipment.

Separating from Kings County IT will result in a cost savings of approximately \$45,000 to the City. This savings will offset the cost of the new employee. The need for a full-time IT Analyst dedicated to City business is critical due to many upcoming projects and growing City staff.

**Financial Consideration(s):**

The proposed salary range for the IT Analyst is \$65,452-\$83,535 (Range 88). The maximum fiscal impact (salary and benefits) for fiscal year 2018-2019 with the addition of this position is \$32,250.

**Alternatives or Pros/Cons:**

Pros:

- Full-time support for IT
- Project management
- Cost Savings

Cons:

- Requires an amendment to the adopted fiscal year 2018-2019 budget.

**Commission/Board Recommendation:**

Not Applicable

**Staff Recommendation:**

City staff recommends approval of Resolution 2018-45 adopting the salary range for the Information Technology Analyst, approval of the budget adjustment in the amount of \$32,250 to the General Fund, and authorizing the City Manager, or his designee, to add to the current salary schedule.

**Attachments:**

Resolution: 2018-45

Ordinance:

Map

Contract

Other

List: Job Description

Budget Amendment

**Review:**

Asst. City Manager 09/11/18

City Attorney 09/12/18

City Clerk 09/13/18

City Manger 09/12/18

Finance 09/12/18

**Date:**

**INFORMATION TECHNOLOGY ANALYST**

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.*

**DEFINITION**

To perform a variety of duties in support of information technology operations including researching, configuring, installing, operating, monitoring, repairing, and maintaining hardware and software for computer workstations, mobile computers, mobile radios, telephone systems, and other related equipment and programs; to set-up, configure, and provide support for desktop computer equipment including hardware, software, and peripheral equipment; to respond to requests for assistance from system users and resolve operational problems; and to provide technical assistance in support of information systems.

**SUPERVISION RECEIVED AND EXERCISED**

Receives direction from the Information Technology Director.

**ESSENTIAL FUNCTION STATEMENTS**--*Essential responsibilities and duties may include, but are not limited to, the following:*

**Essential Functions:**

1. Install, configure, upgrade, troubleshoot, and repair personal computers, laptops, mobile computers, computer components, software, and peripheral devices; maintain, install, and upgrade file servers and other network hardware.
2. Provide information system user support; respond to questions and inquiries on various hardware and software issues; investigate user problems; identify source of problem; determine possible solutions, and implement and test solutions.
3. Analyze computer and communications hardware and software to meet City needs and for information automation purposes; recommends improvements to current systems.
4. Perform computer system administration and maintenance duties; analyze, troubleshoot and resolves operating systems problems involving computer hardware, software and peripheral equipment operating problems; repair and replace electronic components.
5. Install, configure, and update computer hardware, new software, printers, terminals, and other related peripherals.
6. Provide database support; assist with database projects for different departments.
7. Assist in the maintenance of telephone systems; complete moves, adds, and changes; diagnose phone system issues and resolves.
8. Test and troubleshoot local area networks (LAN) as necessary.
9. Assist in developing training or conduct training in computer systems and software as needed.
10. Maintain a variety of records and prepare special reports; create and update written procedures and related documentation.

**Marginal Functions**



## **CITY OF LEMOORE**

### Information Technology Analyst (*Continued*)

11. Stay abreast of advances in technology and keep current on relevant technology changes.
12. Provide assistance to higher-level information systems staff as necessary.
13. Perform related duties as required.

## **QUALIFICATIONS**

### **Knowledge of:**

Operational characteristics of information technology systems, hardware, and software.

Principles and practices of computer science and information systems.

Computer operating systems.

Local area network applications.

Principles, practices, methods, and techniques used in the installation, troubleshooting, and maintenance of systems and applications.

Characteristics and limitations of computer systems and related equipment.

Methods and techniques of training and instruction.

Data processing documentation principles and practices.

Principles and concepts regarding development and maintenance of system documentation.

Office procedures, methods, and equipment including computers and applicable software applications such as word processing, spreadsheets, and databases.

Principles and procedures of record keeping.

### **Ability to:**

Analyze and maintain information systems and peripherals.

Install computer equipment, related peripherals, and software.

Troubleshoot hardware and software problems.

Analyze data and develop logical solutions to complex computer application problems.

Instruct and train staff in information system operations.

Research technical materials and provide and document solutions to problems.

Organize and prioritize work schedule and handle multiple priorities.

Operate office equipment including computers and supporting word processing, spreadsheet, and database applications.

Adapt to changing technologies and learn functionality of new equipment and systems.

Understand and follow oral and written instructions.

Work independently in the absence of supervision.

Communicate clearly and concisely, both orally and in writing.

Establish and maintain effective working relationships with those contacted in the course of work.

### **Experience and Training Guidelines**

*Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:*

#### **Experience:**

Two years of information systems analysis experience.

#### **Training:**

Equivalent to the completion of the twelfth grade supplemented by college level course work in computer science, information systems, or a related field.

**CITY OF LEMOORE**

Information Technology Analyst (*Continued*)

**WORKING CONDITIONS**

**Environmental Conditions:**

Office environment with some travel to different sites.

**Physical Conditions:**

Essential and marginal functions may require maintaining physical condition necessary for standing or sitting for prolonged periods of time; stooping, bending, kneeling, crouching, reaching, and twisting; lifting, carrying, pushing, and/or pulling light to moderate amounts of weight; operating office equipment requiring repetitive hand movement and fine coordination including use of a computer keyboard.



## CITY OF LEMOORE BUDGET AMENDMENT FORM

Date:	9/10/2018	Request By:	Michelle Speer
Requesting Department:		4296	

**TYPE OF BUDGET AMENDMENT REQUEST:**

- Appropriation Transfer within Budget Unit
- All other appropriations (Attach Council approved Staff Report)

**FROM:**

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
001			\$ -	\$ (32,250.00)	\$ (32,250.00)

**TO:**

Fund	Budget Unit	Account	Current Budget	Proposed Increase/Decrease:	Proposed New Budget
001	4296	4010	\$ -	\$ 32,250.00	\$ 32,250.00

**JUSTIFICATION FOR CHANGE/FUNDING SOURCE:**


**APPROVALS:**

Department Head:	Date:
City Manager:	Date:
Completed By:	Date:

**RESOLUTION NO. 2018-45**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LEMOORE  
AMENDING THE CLASSIFICATION AND SALARY SCHEDULE**

**WHEREAS**, the City Council of the City of Lemoore previously adopted Resolution 2017-28 and its attached Classification and Salary Schedule, with an effective date of October 17, 2017;

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of the City of Lemoore as follows:

The Information Technology Analyst position will remain allocated to the Information Technology Department and will be an unrepresented, exempt position, with a salary range of \$65,452 to \$83,535

1. The City Manager and staff are hereby authorized to implement this Resolution and fill the position if vacant.
2. This Resolution shall be effective immediately upon its adoption.

**PASSED AND ADOPTED** by the City Council of the City of Lemoore at a regular meeting held on the 18<sup>th</sup> day of September 2018 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINING:

ATTEST:

APPROVED:

\_\_\_\_\_  
Mary J. Venegas, City Clerk

\_\_\_\_\_  
Ray Madrigal, Mayor



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## Staff Report

**To:** Lemoore City Council

**From:** Janie Venegas, City Clerk / Human Resources Manager

**Date:** September 13, 2018

**Meeting Date:** September 18, 2018

**Subject:** Activity Update

<b>Strategic Initiative:</b>	<input type="checkbox"/> Safe & Vibrant Community	<input type="checkbox"/> Growing & Dynamic Economy
	<input type="checkbox"/> Fiscally Sound Government	<input type="checkbox"/> Operational Excellence
	<input type="checkbox"/> Community & Neighborhood Livability	<input checked="" type="checkbox"/> Not Applicable

### Reports

➤ Warrant Register – FY 18/19

August 29, 2018

➤ Warrant Register – FY 18/19

September 7, 2018

# FY 18/19 Warrant Register 8-29-18

PEI  
DATE: 08/30/2018  
TIME: 12:00:27

CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 1  
AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4213 - CITY MANAGER

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220				OPERATING SUPPLIES				
2 /19 08/29/18 21			59169	5396 OFFICE DEPOT		12.15	.00	SHEET PRO,DIAMOND
2 /19 08/29/18 21			59169	5396 OFFICE DEPOT		176.01	.00	BOARD, GLASS, DE, 4X3
TOTAL				OPERATING SUPPLIES	.00	188.16	.00	
4310				PROFESSIONAL CONTRACT SVC				
2 /19 08/29/18 21			59178	5352 SHRED-IT USA INC		8.87	.00	CITY MGR
2 /19 08/29/18 21 8573		-01	59161	2849 KINGS COUNTY ECO		1,666.67	-1,666.67	ANNUAL MEMBERSHIP FEE - \$
TOTAL				PROFESSIONAL CONTRACT SVC	.00	1,675.54	-1,666.67	
4340				UTILITIES				
2 /19 08/29/18 21			59143	5516 AT&T		37.12	.00	CITY MGR
TOTAL				UTILITIES	.00	37.12	.00	
TOTAL				CITY MANAGER	.00	1,900.82	-1,666.67	

PEI  
DATE: 08/30/2018  
TIME: 12:00:27

CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 2  
AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4214 - CITY CLERK'S OFFICE

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4320								
2 /19	08/29/18 21		59158	T2394 JANIE VENEGAS		38.80	.00	REIMBURSE MILEAGE
TOTAL					.00	38.80	.00	
TOTAL				CITY CLERK'S OFFICE	.00	38.80	.00	

PEI  
DATE: 08/30/2018  
TIME: 12:00:27

CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 3  
AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4215 - FINANCE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4340									
2 /19	08/29/18	21		59143	5516 AT&T		23.21	.00	ADMIN
TOTAL						.00	23.21	.00	
TOTAL						.00	23.21	.00	



PEI  
DATE: 08/30/2018  
TIME: 12:00:27

CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 4  
AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4216 - PLANNING

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220			OPERATING SUPPLIES						
2 /19	08/29/18	21		59146	5284 CALIFORNIA SURVE		42.17	.00	INK TAN MT BLK PFI-30
TOTAL			OPERATING SUPPLIES			.00	42.17	.00	
4310			PROFESSIONAL CONTRACT SVC						
2 /19	08/29/18	21		59178	5352 SHRED-IT USA INC		8.87	.00	PLANNING
TOTAL			PROFESSIONAL CONTRACT SVC			.00	8.87	.00	
TOTAL			PLANNING			.00	51.04	.00	

PEI  
 DATE: 08/30/2018  
 TIME: 12:00:27

CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 5  
 AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4220 - MAINTENANCE DIVISION

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310				PROFESSIONAL CONTRACT SVC				
2 /19 08/29/18 21			59178	5352 SHRED-IT USA INC		2.96	.00	MAINT
2 /19 08/29/18 21			59167	6970 MARICRUZ FERNAND		522.25	.00	JANI WK 8/13-8/24
2 /19 08/29/18 21	8688	-01	59177	5638 SHINEN LANDSCAPE		160.00	-160.00	LANDSCAPE MAINTENANCE
2 /19 08/29/18 21	8688	-01	59177	5638 SHINEN LANDSCAPE		500.00	-500.00	LANDSCAPE MAINTENANCE
2 /19 08/29/18 21	8688	-01	59177	5638 SHINEN LANDSCAPE		575.00	-575.00	LANDSCAPE MAINTENANCE
2 /19 08/29/18 21	8688	-01	59177	5638 SHINEN LANDSCAPE		575.00	-575.00	LANDSCAPE MAINTENANCE
2 /19 08/29/18 21	8688	-01	59177	5638 SHINEN LANDSCAPE		650.00	-650.00	LANDSCAPE MAINTENANCE
2 /19 08/29/18 21	8688	-01	59177	5638 SHINEN LANDSCAPE		225.00	-225.00	LANDSCAPE MAINTENANCE
TOTAL				PROFESSIONAL CONTRACT SVC	.00	3,210.21	-2,685.00	
4340				UTILITIES				
2 /19 08/29/18 21			59187	0423 SOCALGAS		1.08	.00	7/17/18-8/15/18
2 /19 08/29/18 21			59187	0423 SOCALGAS		20.20	.00	7/19/18-8/20/18
2 /19 08/29/18 21			59187	0423 SOCALGAS		22.94	.00	7/17/18-8/15/18
2 /19 08/29/18 21			59187	0423 SOCALGAS		56.44	.00	7/17/18-8/15/18
2 /19 08/29/18 21			59187	0423 SOCALGAS		64.64	.00	7/18/18-8/20/18
2 /19 08/29/18 21			59187	0423 SOCALGAS		74.80	.00	7/17/18-8/15/18
2 /19 08/29/18 21			59187	0423 SOCALGAS		111.55	.00	7/17/18-8/15/18
TOTAL				UTILITIES	.00	351.65	.00	
TOTAL				MAINTENANCE DIVISION	.00	3,561.86	-2,685.00	

PEI  
 DATE: 08/30/2018  
 TIME: 12:00:27

CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 6  
 AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4221 - POLICE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220					OPERATING SUPPLIES				
2 /19	08/29/18	21	8590	-01 59157	5520 ID VILLE		1,875.25	-1,875.25	SYSTEMS- ID MAKER SECURE
2 /19	08/29/18	21	8590	-02 59157	5520 ID VILLE		629.00	-629.00	SOFTWARE - ID MAKER 3.0 E
2 /19	08/29/18	21	8590	-03 59157	5520 ID VILLE		273.98	-273.98	PRINTER RIBBON
2 /19	08/29/18	21	8590	-04 59157	5520 ID VILLE		25.37	-25.37	PRINTER CLEANER KIT
2 /19	08/29/18	21	8590	-05 59157	5520 ID VILLE		74.10	-74.10	PVC CARD
2 /19	08/29/18	21	8590	-06 59157	5520 ID VILLE		82.80	-82.80	SHIPPING
TOTAL					OPERATING SUPPLIES	.00	2,960.50	-2,960.50	
4310					PROFESSIONAL CONTRACT SVC				
2 /19	08/29/18	21		59148	4056 COMCAST		551.75	.00	ACCT #934577289
2 /19	08/29/18	21		59153	5814 CITY OF HANFORD		14,665.12	.00	DISPATCH PD
TOTAL					PROFESSIONAL CONTRACT SVC	.00	15,216.87	.00	
4320					MEETINGS & DUES				
2 /19	08/29/18	21		59193	6345 VOHNE LICHE KENN		300.00	.00	TRAINING-JUL 2018
TOTAL					MEETINGS & DUES	.00	300.00	.00	
4340					UTILITIES				
2 /19	08/29/18	21		59143	5516 AT&T		172.84	.00	9391033999
TOTAL					UTILITIES	.00	172.84	.00	
TOTAL					POLICE	.00	18,650.21	-2,960.50	

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CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4222 - FIRE

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19 08/29/18 21			59153	5814 CITY OF HANFORD		10,998.86	.00	DISPATCH FIRE
TOTAL					.00	10,998.86	.00	
4340								
2 /19 08/29/18 21			59143	5516 AT&T		96.26	.00	9391034001
TOTAL					.00	96.26	.00	
TOTAL					.00	11,095.12	.00	

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CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 8  
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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4224 - BUILDING INSPECTION

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									
	2 /19	08/29/18	21	59146	5284 CALIFORNIA SURVE		42.17	.00	INK TAN MT BLK PFI-30
TOTAL						.00	42.17	.00	
4310									
	2 /19	08/29/18	21	59178	5352 SHRED-IT USA INC		5.91	.00	BUILDING
TOTAL						.00	5.91	.00	
TOTAL						.00	48.08	.00	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4230 - PUBLIC WORKS

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220								
2 /19 08/29/18 21			59146	5284 CALIFORNIA SURVE		42.17	.00	INK TAN MT BLK PFI-30
TOTAL					.00	42.17	.00	
4310								
2 /19 08/29/18 21			59178	5352 SHRED-IT USA INC		8.87	.00	PUBLIC WORKS
2 /19 08/29/18 21 8689		-01	59145	6733 BLACKBURN CONSUL		4,734.75	-4,734.75	TR 920 TESTING JULY 2018
2 /19 08/29/18 21 8694		-01	59145	6733 BLACKBURN CONSUL		1,567.50	-1,567.50	ARCO TESTING JULY 2018
TOTAL					.00	6,311.12	-6,302.25	
4320								
2 /19 08/29/18 21 8692		-01	59192	6783 VIRTUAL PROJECT		500.00	-500.00	VPM MANAGEMENT, BACKUP, ST
TOTAL					.00	500.00	-500.00	
TOTAL					.00	6,853.29	-6,802.25	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4231 - STREETS

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									OPERATING SUPPLIES
2 /19	08/29/18	21	8669	-01 59176	6613 SHERWIN WILLIAMS		859.05	-859.05	STREET PAINT
2 /19	08/29/18	21	8669	-02 59176	6613 SHERWIN WILLIAMS		62.28	-62.28	TAX
2 /19	08/29/18	21	8672	-01 59183	5306 T&T PAVEMENT MAR		1,680.00	-1,680.00	STREET PAINT
2 /19	08/29/18	21	8672	-02 59183	5306 T&T PAVEMENT MAR		121.80	-121.80	TAX
2 /19	08/29/18	21	8673	-01 59183	5306 T&T PAVEMENT MAR		713.15	-713.15	STREET PAINT
2 /19	08/29/18	21	8673	-02 59183	5306 T&T PAVEMENT MAR		55.33	-55.33	TAX
2 /19	08/29/18	21	8673	-03 59183	5306 T&T PAVEMENT MAR		50.00	-50.00	FREIGHT
2 /19	08/29/18	21	8674	-01 59183	5306 T&T PAVEMENT MAR		885.30	-885.30	STREET PAINT
2 /19	08/29/18	21	8674	-02 59183	5306 T&T PAVEMENT MAR		64.18	-64.18	TAX
2 /19	08/29/18	21	8695	-01 59176	6613 SHERWIN WILLIAMS		2,259.14	-2,259.14	STREET PAINT AND TIPS
2 /19	08/29/18	21	8695	-02 59176	6613 SHERWIN WILLIAMS		163.79	-163.79	FREIGHT
TOTAL						.00	6,914.02	-6,914.02	
4310									PROFESSIONAL CONTRACT SVC
2 /19	08/29/18	21		59152	5758 MARK FERNANDES		215.00	.00	MAINTENANCE/LANDSCAPE
TOTAL						.00	215.00	.00	
TOTAL					STREETS	.00	7,129.02	-6,914.02	

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4242 - RECREATION

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									
2 /19	08/29/18	21		59146	5284 CALIFORNIA SURVE		42.17	.00	INK TAN MT BLK PFI-30
2 /19	08/29/18	21		59166	0306 LEMOORE HIGH SCH		2,052.93	.00	LEM REC/JULY TRIPS
TOTAL					OPERATING SUPPLIES	.00	2,095.10	.00	
4310									
2 /19	08/29/18	21		59178	5352 SHRED-IT USA INC		2.96	.00	RECREATION
TOTAL					PROFESSIONAL CONTRACT SVC	.00	2.96	.00	
TOTAL					RECREATION	.00	2,098.06	.00	



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EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4296 - INFORMATION TECHNOLOGY

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19 08/29/18 21			59148	4056 COMCAST		1,655.25	.00	ACCT #934577289
TOTAL					.00	1,655.25	.00	
TOTAL					.00	1,655.25	.00	

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4297 - HUMAN RESOURCES

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
	2 /19	08/29/18	21	59162	6543 KINGS INDUSTRIAL		420.00	.00	PHYSICAL EXAMS
TOTAL						.00	420.00	.00	
4330									
	2 /19	08/29/18	21	59186	2836 THE BODY SHOP HE		200.00	.00	MEMBERSHIP-MONTHLY
TOTAL						.00	200.00	.00	
4360									
	2 /19	08/29/18	21	59181	6931 STEVEN RAMIREZ		50.00	.00	REIMBURSE T1 TEST FEE
TOTAL						.00	50.00	.00	
TOTAL					HUMAN RESOURCES	.00	670.00	.00	
TOTAL					GENERAL FUND	.00	53,774.76	-21,028.44	

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 030 - OTHER GRANTS  
BUDGET UNIT - 5011 - VINE STREET LIGHTING

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310			PROFESSIONAL CONTRACT SVC					
2 /19 08/29/18 21 8691			-01 59173	6627 PG&E NON ENERGY		2,500.00	-2,500.00	E STREET LIFT STATION ENG
TOTAL			PROFESSIONAL CONTRACT SVC		.00	2,500.00	-2,500.00	
TOTAL			VINE STREET LIGHTING		.00	2,500.00	-2,500.00	
TOTAL			OTHER GRANTS		.00	2,500.00	-2,500.00	

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 040 - FLEET MAINTENANCE  
 BUDGET UNIT - 4265 - FLEET MAINTENANCE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									
	2 /19	08/29/18	21	59151	5866 FASTENAL COMPANY	.00	323.90	.00	L GWBN GLOVE 100CT
TOTAL							323.90	.00	
4220F									
	2 /19	08/29/18	21	8623 -01	6445 GARY V. BURROWS,	.00	11,020.14	-11,020.14	BLANKET PO FOR FUEL 18-19
TOTAL							11,020.14	-11,020.14	
4230									
	2 /19	08/29/18	21	59164	0314 LEMOORE AUTO SUP		-47.19	.00	BATTERY INV#188375
	2 /19	08/29/18	21	59144	1908 BATTERY SYSTEMS		101.63	.00	65,765CCA,140RC
	2 /19	08/29/18	21	59174	0370 PHIL'S LOCKSMITH		107.25	.00	2 GM KEYS
	2 /19	08/29/18	21	59189	5379 TURF STAR		141.89	.00	BEARING/SPACER
	2 /19	08/29/18	21	59185	0634 TERMINAL AIR BRA		145.01	.00	STUD,NUT
	2 /19	08/29/18	21	59189	5379 TURF STAR		412.57	.00	HUB-BEARING,WHEEL
	2 /19	08/29/18	21	8659 -01	0252 KINGS AUTO SUPPL		653.74	-653.74	BLANKET PO FY 18-19
	2 /19	08/29/18	21	8693 -01	6411 BRIDGEPORT MANUF		280.56	-280.56	SAL KIT FOR HC-226, ELEVA
	2 /19	08/29/18	21	8693 -02	6411 BRIDGEPORT MANUF		146.79	-146.79	LIMIT SWITCH - ELECTRIC
	2 /19	08/29/18	21	8693 -03	6411 BRIDGEPORT MANUF		47.81	-47.81	MACK VALVE REPLACEMENT
	2 /19	08/29/18	21	8693 -04	6411 BRIDGEPORT MANUF		43.62	-43.62	SHIPPING
	2 /19	08/29/18	21	8693 -05	6411 BRIDGEPORT MANUF		34.45	-34.45	TAX
TOTAL						.00	2,068.13	-1,206.97	
4320									
	2 /19	08/29/18	21	8696 -01	0361 ORTON'S EQUIPMEN		1,299.26	-1,299.26	TOTAL PARTS
	2 /19	08/29/18	21	8696 -02	0361 ORTON'S EQUIPMEN		94.20	-94.20	TAX
TOTAL						.00	1,393.46	-1,393.46	
4350									
	2 /19	08/29/18	21	59174	0370 PHIL'S LOCKSMITH		11.80	.00	5 KEYS
TOTAL						.00	11.80	.00	
TOTAL						.00	14,817.43	-13,620.57	
TOTAL						.00	14,817.43	-13,620.57	

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 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 045 - GOLF COURSE - CITY  
 BUDGET UNIT - 4245 - GOLF COURSE-CITY

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4000K									
	2 /19	08/29/18	21	59188	6442 SLUSH PUPPIE PRO		72.90	.00	H/B SUPREME FRENCH
	2 /19	08/29/18	21	59182	6440 SYSCO		530.85	-530.85	BLANKET PO 18-19.
TOTAL						.00	603.75	-530.85	
4000P									
	2 /19	08/29/18	21	59184	6443 TAYLORMADE GOLF		-266.41	.00	IRS-M4 #5RH S
	2 /19	08/29/18	21	59156	6473 TEAM GOLF		12.71	.00	CUST #846951
	2 /19	08/29/18	21	59156	6473 TEAM GOLF		22.50	.00	US NAVY 3PK GOLF CHIP
	2 /19	08/29/18	21	59168	6842 NEXBELT, LLC		177.69	.00	PEBBLE GRAIN SMK GREY
	2 /19	08/29/18	21	59191	6595 VERN WASKOM COMP		210.40	.00	TOUR WRAP 2G MIDSIZE
	2 /19	08/29/18	21	59184	6443 TAYLORMADE GOLF		266.41	.00	CUSTOM.M4
	2 /19	08/29/18	21	59184	6443 TAYLORMADE GOLF		324.51	.00	TM18 STRATUS LTHR WHT
TOTAL						.00	747.81	.00	
4220K									
	2 /19	08/29/18	21	59147	6624 CINTAS		50.00	.00	TERRY WOEL
TOTAL						.00	50.00	.00	
4220M									
	2 /19	08/29/18	21	59163	0286 LAWRENCE TRACTOR		-83.54	.00	CREDIT FILTER ELEME
	2 /19	08/29/18	21	59165	6541 LEMOORE HARDWARE		11.79	.00	ME20' 16/3 GRN EXT CO
	2 /19	08/29/18	21	59180	6481 SPRAYING DEVICES		45.62	.00	UNION BALL VALVE
	2 /19	08/29/18	21	59165	6541 LEMOORE HARDWARE		46.49	.00	TV SCHLAG LOCK KEYBLA
	2 /19	08/29/18	21	59163	0286 LAWRENCE TRACTOR		63.01	.00	V-BELT
	2 /19	08/29/18	21	59163	0286 LAWRENCE TRACTOR		68.02	.00	SPRING PIN
	2 /19	08/29/18	21	59163	0286 LAWRENCE TRACTOR		93.34	.00	FILTER ELEME
	2 /19	08/29/18	21	59163	0286 LAWRENCE TRACTOR		117.16	.00	STARTER MOTOR R
	2 /19	08/29/18	21	59165	6541 LEMOORE HARDWARE		126.02	.00	18V DRILL DRIVECOMPAC
	2 /19	08/29/18	21	59189	5379 TURF STAR		141.87	.00	INTLK MODULE KIT
	2 /19	08/29/18	21	59194	6523 WEST VALLEY SUPP		158.84	.00	1" T CAP
	2 /19	08/29/18	21	59189	5379 TURF STAR		274.44	.00	SOLENOID COIL KIT
	2 /19	08/29/18	21	59163	0286 LAWRENCE TRACTOR		461.88	.00	STARTER MOTOR R
	2 /19	08/29/18	21	59189	5379 TURF STAR		489.06	.00	BDY RSRLESS 1IN NPT S
TOTAL						.00	2,014.00	.00	
4291									
	2 /19	08/29/18	21	59172	T1885 THOMAS RINGER		389.00	.00	ABC LICENSE
TOTAL						.00	389.00	.00	
4309									
	2 /19	08/29/18	21	59172	T1885 THOMAS RINGER		3,302.58	.00	WORKMANS COMP
	2 /19	08/29/18	21	59172	T1885 THOMAS RINGER		15,368.50	.00	PAYROLL
TOTAL						.00	18,671.08	.00	
4310									
	2 /19	08/29/18	21	8591 -01 59175	6548 RINGER, TOM		6,500.00	-6,500.00	TOTAL YEARLY ANNUAL MANAG

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PEI - FUND ACCOUNTING

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 045 - GOLF COURSE - CITY  
 BUDGET UNIT - 4245 - GOLF COURSE-CITY

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
TOTAL				PROFESSIONAL CONTRACT SVC (cont'd)	.00	6,500.00	-6,500.00	
4340								
2 /19 08/29/18 21			59172	T1885 THOMAS RINGER	.00	2,000.00	.00	CANAL WATER
TOTAL				UTILITIES	.00	2,000.00	.00	
TOTAL				GOLF COURSE-CITY	.00	30,975.64	-7,030.85	
TOTAL				GOLF COURSE - CITY	.00	30,975.64	-7,030.85	

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 050 - WATER  
 BUDGET UNIT - 4250 - WATER

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220					OPERATING SUPPLIES				
2 /19	08/29/18	21		59146	5284 CALIFORNIA SURVE		42.16	.00	INK TAN MT BLK PFI-30
2 /19	08/29/18	21		59164	0314 LEMOORE AUTO SUP		187.52	.00	OFFEST PIPE WRENCH
2 /19	08/29/18	21	8597	-01 59190	6058 UNIVAR		847.37	-847.37	ACCOUNT # 4250-4220CH 18-
2 /19	08/29/18	21	8597	-01 59190	6058 UNIVAR		1,561.21	-1,561.21	ACCOUNT # 4250-4220CH 18-
2 /19	08/29/18	21	8597	-01 59190	6058 UNIVAR		1,561.21	-1,561.21	ACCOUNT # 4250-4220CH 18-
2 /19	08/29/18	21	8597	-01 59190	6058 UNIVAR		1,715.72	-1,715.72	ACCOUNT # 4250-4220CH 18-
2 /19	08/29/18	21	8597	-01 59190	6058 UNIVAR		2,333.77	-2,333.77	ACCOUNT # 4250-4220CH 18-
TOTAL					OPERATING SUPPLIES	.00	8,248.96	-8,019.28	
4230					REPAIR/MAINT SUPPLIES				
2 /19	08/29/18	21		59179	6134 LEHIGH HANSON		344.84	.00	1/2 HMA PG 64-10 15%
TOTAL					REPAIR/MAINT SUPPLIES	.00	344.84	.00	
4310					PROFESSIONAL CONTRACT SVC				
2 /19	08/29/18	21		59178	5352 SHRED-IT USA INC		8.87	.00	WATER
2 /19	08/29/18	21		59153	5814 CITY OF HANFORD		3,666.29	.00	DISPATCH WATER
TOTAL					PROFESSIONAL CONTRACT SVC	.00	3,675.16	.00	
4340					UTILITIES				
2 /19	08/29/18	21		59187	0423 SOCALGAS		50.69	.00	7/19/18-08/20/18
2 /19	08/29/18	21		59143	5516 AT&T		100.69	.00	9391034000
2 /19	08/29/18	21		59143	5516 AT&T		155.08	.00	ACCT#147696104
2 /19	08/29/18	21		59171	0363 P G & E		23,599.50	.00	6/28/18-7/29/18
TOTAL					UTILITIES	.00	23,905.96	.00	
TOTAL					WATER	.00	36,174.92	-8,019.28	

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CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 050 - WATER  
BUDGET UNIT - 4251 - UTILITY OFFICE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4340									
2 /19	08/29/18	21		59143	5516 AT&T		17.02	.00	UTILITY
TOTAL						.00	17.02	.00	
TOTAL					UTILITY OFFICE	.00	17.02	.00	
TOTAL					WATER	.00	36,191.94	-8,019.28	



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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 056 - REFUSE  
 BUDGET UNIT - 4256 - REFUSE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310					PROFESSIONAL CONTRACT SVC				
2 /19	08/29/18	21		59178	5352 SHRED-IT USA INC		5.91	.00	REFUSE
2 /19	08/29/18	21		59153	5814 CITY OF HANFORD		3,666.29	.00	DISPATCH REFUSE
2 /19	08/29/18	21	8703	-01 59150	6869 MILLENNIUM FUNDI		700.80	-700.80	BLANKET FOR TEMP LABOR 18
2 /19	08/29/18	21	8703	-01 59150	6869 MILLENNIUM FUNDI		700.80	-700.80	BLANKET FOR TEMP LABOR 18
2 /19	08/29/18	21	8703	-01 59150	6869 MILLENNIUM FUNDI		700.80	-700.80	BLANKET FOR TEMP LABOR 18
TOTAL					PROFESSIONAL CONTRACT SVC	.00	5,774.60	-2,102.40	
TOTAL					REFUSE	.00	5,774.60	-2,102.40	
TOTAL					REFUSE	.00	5,774.60	-2,102.40	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 21  
 AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
 ACCOUNTING PERIOD: 2/19

FUND - 060 - SEWER& STORM WTR DRAINAGE  
 BUDGET UNIT - 4260 - SEWER

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									
	2 /19	08/29/18	21	59146	5284 CALIFORNIA SURVE		42.16	.00	INK TAN MT BLK PFI-30
TOTAL						.00	42.16	.00	
4230									
	2 /19	08/29/18	21	59151	5866 FASTENAL COMPANY		18.66	.00	1/2"-13 S/S FHN
TOTAL						.00	18.66	.00	
4310									
	2 /19	08/29/18	21	59178	5352 SHRED-IT USA INC		5.91	.00	SEWER
	2 /19	08/29/18	21	59153	5814 CITY OF HANFORD		3,666.29	.00	DISPATCH SEWER
TOTAL						.00	3,672.20	.00	
4320									
	2 /19	08/29/18	21	59151	5866 FASTENAL COMPANY		46.78	.00	16OZ NATURAL DEGRESR
TOTAL						.00	46.78	.00	
4340									
	2 /19	08/29/18	21	59171	0363 P G & E		19.71	.00	7/18/18-8/16/18
	2 /19	08/29/18	21	59143	5516 AT&T		33.09	.00	9391052729
	2 /19	08/29/18	21	59171	0363 P G & E		11,090.41	.00	7/19/18-8/19/18
TOTAL						.00	11,143.21	.00	
TOTAL						.00	14,923.01	.00	
TOTAL						.00	14,923.01	.00	

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CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 22  
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SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.fund between '001' and '300' and transact.batch='JL083118'  
ACCOUNTING PERIOD: 2/19

FUND - 085 - PBIA  
BUDGET UNIT - 4270 - PBIA

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310		PROFESSIONAL CONTRACT SVC						
2 /19 08/29/18 21			59159	6730 KIMBERLY BATTY		500.00	.00	JUL-AUG SOCIAL MEDIA
TOTAL		PROFESSIONAL CONTRACT SVC			.00	500.00	.00	
TOTAL	PBIA				.00	500.00	.00	
TOTAL	PBIA				.00	500.00	.00	
TOTAL REPORT					.00	159,457.38	-54,301.54	

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CITY OF LEMOORE  
REVENUE TRANSACTION ANALYSIS

PAGE NUMBER: 1  
AUDIT31

SELECTION CRITERIA: transact.yr='19' and transact.period='2' and transact.account between '3000' and '3999' and transact.batch='JL08  
ACCOUNTING PERIOD: 2/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 001 - GENERAL FUND

ACCOUNT	DATE	T/C	RECEIVE REFERENCE	PAYER/VENDOR	BUDGET	RECEIPTS	RECEIVABLES DESCRIPTION
3681	RECREATION FEES						
2 /19	08/29/18	210	59155	T2566 GAYLE GARCIA		-50.00	REFUND KARATE- JULY
TOTAL	RECREATION FEES				.00	-50.00	.00
TOTAL	GENERAL FUND				.00	-50.00	.00
TOTAL	GENERAL FUND				.00	-50.00	.00
TOTAL REPORT					.00	-50.00	.00

# FY 18/19 Warrant Register 09-07-18

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 1  
 AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4211 - CITY COUNCIL

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		23.53	.00	OFFICE365
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		2.35	.00	EMAIL
TOTAL						.00	25.88	.00	
TOTAL					CITY COUNCIL	.00	25.88	.00	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

PAGE NUMBER: 2  
 AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4213 - CITY MANAGER

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4140								
3 /19 09/07/18 21			59251	6868 MIDAMERICA ADMIN		50.01	.00	ADMIN FEES JAN-MAR 18
TOTAL					.00	50.01	.00	
4220								
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		48.98	.00	LABELS
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		63.69	.00	COPY PAPER
TOTAL					.00	112.67	.00	
4310								
2 /19 09/07/18 21 8572 -01 59219				6377 THE CRISCOM COMP		3,750.00	-3,750.00	CONTRACT SERVICES BILLED
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		13.62	.00	PROG REMOTE LOGIN
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		1.88	.00	EMAIL
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		18.82	.00	OFFICE 365
TOTAL					.00	3,784.32	-3,750.00	
4320								
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		8.91	.00	KINGS EDC MEETING
TOTAL					.00	8.91	.00	
4340								
2 /19 09/07/18 21			59208	5516 AT&T		111.38	.00	CITY COUNCIL
2 /19 09/07/18 21			59208	5516 AT&T		128.05	.00	7/25/18-8/24/18
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		71.50	.00	CMC CABLE SVC
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		27.07	.00	WATER SVCS
TOTAL					.00	338.00	.00	
TOTAL					.00	4,293.91	-3,750.00	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4214 - CITY CLERK'S OFFICE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220					OPERATING SUPPLIES				
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		23.36	.00	CONCIL SNACKS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		88.91	.00	ELECTION ITEMS
TOTAL					OPERATING SUPPLIES	.00	112.27	.00	
4310					PROFESSIONAL CONTRACT SVC				
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		6.81	.00	PROG REMOTE LOGIN
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		.94	.00	EMAIL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		9.41	.00	OFFICE 365
TOTAL					PROFESSIONAL CONTRACT SVC	.00	17.16	.00	
4330					PRINTING & PUBLICATIONS				
2 /19	09/07/18	21		59247	6080 LEE CENTRAL CALI		937.97	.00	7/30/18-8/26/18
TOTAL					PRINTING & PUBLICATIONS	.00	937.97	.00	
TOTAL					CITY CLERK'S OFFICE	.00	1,067.40	.00	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4215 - FINANCE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		353.91	.00	SCANNER
TOTAL						.00	353.91	.00	
4310									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		2.35	.00	EMAIL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		17.97	.00	PROG REMOTE LOGIN
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		23.53	.00	OFFICE 365
TOTAL						.00	43.85	.00	
4340									
2 /19	09/07/18	21		59208	5516 AT&T		139.22	.00	ADMIN
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		37.14	.00	WATER SVCS
TOTAL						.00	176.36	.00	
TOTAL						.00	574.12	.00	



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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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 AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4216 - PLANNING

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310					PROFESSIONAL CONTRACT SVC				
2 /19	09/07/18	21		59257	0876 QUAD KNOPF, INC.		5,676.84	.00	GEN PLANNING SVCS
2 /19	09/07/18	21		59257	0876 QUAD KNOPF, INC.		8,426.97	.00	GEN PLANNING SVCS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		10.12	.00	PROG REMOTE LOGIN
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		14.12	.00	OFFICE 365
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		1.41	.00	EMAIL
TOTAL					PROFESSIONAL CONTRACT SVC	.00	14,129.46	.00	
TOTAL					PLANNING	.00	14,129.46	.00	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4220 - MAINTENANCE DIVISION

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220				OPERATING SUPPLIES				
2 /19 09/07/18 21			59258	5287 RES COM PEST CON		38.00	.00	CUST#HX-18074
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		22.21	.00	MAT-PATTN CLEATED
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		22.21	.00	MAT-PATTERN-CLEATED
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		23.98	.00	MAT-PATTERN-CLEATED
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		52.69	.00	PANT-AUS-FLATFRONT
2 /19 09/07/18 21			59227	5866 FASTENAL COMPANY		141.22	.00	TYPE II CAN 5 GAL
2 /19 09/07/18 21			59233	1547 VERITIV OPERATIN		141.29	.00	CAN LINER
2 /19 09/07/18 21			59227	5866 FASTENAL COMPANY		206.54	.00	8LB 36"RR SLD HMMR
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		766.56	.00	MAINT-AMER FLAG CA&PO
TOTAL				OPERATING SUPPLIES	.00	1,414.70	.00	
4230				REPAIR/MAINT SUPPLIES				
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		143.30	.00	PARKS-19TH AV FENCE
TOTAL				REPAIR/MAINT SUPPLIES	.00	143.30	.00	
4310				PROFESSIONAL CONTRACT SVC				
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		62.30	.00	PANT-AUS-FLATFRONT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		59.19	.00	PANT-AUS-FLAT FRONT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		55.80	.00	PANT-AUS-FLATFRONT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		23.98	.00	MAT-PATTERN-CLEATED
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		20.44	.00	PANT-AUS-FLATFRONT
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		18.82	.00	OFFICE 365
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		1.88	.00	EMAIL
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		13.50	.00	PROG REMOTE LOGIN
TOTAL				PROFESSIONAL CONTRACT SVC	.00	255.91	.00	
4340				UTILITIES				
2 /19 09/07/18 21			59208	5516 AT&T		3.16	.00	PUB BLDGS
TOTAL				UTILITIES	.00	3.16	.00	
4350				REPAIR/MAINT SERVICES				
2 /19 09/07/18 21			59221	6985 DAN'S AIR CONDIT		178.00	.00	LABOR HRLY SERVICE
2 /19 09/07/18 21			59221	6985 DAN'S AIR CONDIT		292.00	.00	LABOR HRLY RATE, FREIG
TOTAL				REPAIR/MAINT SERVICES	.00	470.00	.00	
TOTAL				MAINTENANCE DIVISION	.00	2,287.07	.00	

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4221 - POLICE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4140									
	HEALTH INSURANCE								
3 /19	09/07/18	21		59251	6868 MIDAMERICA ADMIN		75.00	.00	ADMIN FEES JAN-MAR 18
TOTAL	HEALTH INSURANCE					.00	75.00	.00	
4220									
	OPERATING SUPPLIES								
2 /19	09/07/18	21		59255	0370 PHIL'S LOCKSMITH		200.15	.00	LOCK ASSEMBLIES
2 /19	09/07/18	21	8603	-01 59211	6864 AXON ENTERPRISE,		798.00	-798.00	AXON CAMERA ASSEMBLY, ONL
2 /19	09/07/18	21	8603	-02 59211	6864 AXON ENTERPRISE,		1,495.00	-1,495.00	AXON 6 BAY DOCK W/ CORE,
2 /19	09/07/18	21	8603	-03 59211	6864 AXON ENTERPRISE,		166.25	-166.25	TAX
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		496.96	.00	STAMPS-RECORDS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		536.16	.00	DIGITAL CAM/BAGS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		536.17	.00	DIGITAL CAMERAS/BAGS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		153.47	.00	PRESSURE WASHER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		160.82	.00	OFFICE SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		171.18	.00	6 DIGITAL RECORDERS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		299.47	.00	RIFLE PARTS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		308.84	.00	DIGITAL PRINT READER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		313.19	.00	CARDBOARD TARGETS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		407.40	.00	RADIO BATTERIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		407.80	.00	LAPTOP FOR ID MAKER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		413.65	.00	SOFA FOR DETECTIVES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		85.52	.00	FRIG EVIDENCE LOCKER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		111.83	.00	OFFICE SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		118.84	.00	OFFICE SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		51.98	.00	TACTICAL ZIP TIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		41.81	.00	TRASH BAGS ANI CTRL
TOTAL	OPERATING SUPPLIES					.00	7,274.49	-2,459.25	
4220U									
	OPERAT SUPPLIES- UNIFORMS								
2 /19	09/07/18	21	8577	-01 59260	6903 SAFARILAND LLC		670.00	-670.00	6280 GLOCK 22 HOLSTERS BS
2 /19	09/07/18	21	8577	-02 59260	6903 SAFARILAND LLC		48.58	-48.58	TAX
2 /19	09/07/18	21	8577	-03 59260	6903 SAFARILAND LLC		14.62	-20.00	FREIGHT
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		43.64	.00	DUTY GEAR-WELCH
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		30.56	.00	DUTY GEAR-WELCH
TOTAL	OPERAT SUPPLIES- UNIFORMS					.00	807.40	-738.58	
4310									
	PROFESSIONAL CONTRACT SVC								
2 /19	09/07/18	21		59232	6164 FOOTHILL TRANSCR		406.25	.00	INTERVIEW-C. GALINSO
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		25.00	.00	DETECTIVES
TOTAL	PROFESSIONAL CONTRACT SVC					.00	431.25	.00	
4320									
	MEETINGS & DUES								
2 /19	09/07/18	21		59245	0268 KINGS COUNTY TRO		21.45	.00	8X10 PLAQUE
2 /19	09/07/18	21		59261	6878 SAN LUIS OBISPO		2,075.00	.00	EXPLORERS-13ADVISORS5
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		500.00	.00	TRAINING-OCHOA, CAZARE
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		19.79	.00	NIGHT OUT SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		19.96	.00	NIGHT OUT SUPPLIES

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CITY OF LEMOORE  
 EXPENDITURE TRANSACTION ANALYSIS

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 AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4221 - POLICE

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4320				(cont'd)				
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		21.43	.00	NIGHT OUT SUPPLIES
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		35.39	.00	NIGHT OUT SUPPLIES
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		45.00	.00	DUES-Y BREWER
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		41.40	.00	NIGHT OUT SUPPLIES
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		269.76	.00	NIGHT OUT SUPPLIES
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		142.55	.00	DEP-PEREZ SYMPOSIUM
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		193.01	.00	EXPLORERS-CNPY,WAGON
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		181.65	.00	NIGHT OUT SUPPLIES
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		116.72	.00	NIGHT OUT SUPPLIES
3 /19 09/07/18 21			59254	T393 SOLEDAD PEREZ		112.00	.00	ADVANCE-TRAVEL
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		121.54	.00	NIGHT OUT SUPPLIES
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		126.44	.00	K-9 INSURANCE
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		86.72	.00	STAFF MEETING
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		87.75	.00	STAFF MEETING
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		71.20	.00	K-9 INSURANCE
TOTAL				MEETINGS & DUES	.00	4,288.76	.00	
4340				UTILITIES				
2 /19 09/07/18 21			59208	5516 AT&T		345.84	.00	7/25/18-8/24/18
2 /19 09/07/18 21			59208	5516 AT&T		23.69	.00	7/17/18-8/16/18
2 /19 09/07/18 21			59276	0116 VERIZON WIRELESS		1,600.08	.00	7/17/18-8/16/18
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		27.88	.00	PD WATER SVC
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		85.50	.00	PD CABLE SVC
TOTAL				UTILITIES	.00	2,082.99	.00	
4360				TRAINING				
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		281.38	.00	DEVICE TRAINING
TOTAL				TRAINING	.00	281.38	.00	
4380				RENTALS & LEASES				
2 /19 09/07/18 21			59274	5842 U.S. BANCORP EQ		825.85	.00	COPIER-PD
TOTAL				RENTALS & LEASES	.00	825.85	.00	
TOTAL				POLICE	.00	16,067.12	-3,197.83	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4222 - FIRE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310					PROFESSIONAL CONTRACT SVC				
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		94.98	.00	PANT-JEAN-AUS-RLXFIT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		101.53	.00	PANT-JEAN-AUSRLXFIT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		39.16	.00	PANT-JEAN-AUS-RLXFIT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		37.22	.00	PANT-JEAN-AUS-RLX FIT
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		6.75	.00	PROGRAM REMOTE LOGIN
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		.94	.00	EMAIL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		14.12	.00	OFFICE 365
TOTAL					PROFESSIONAL CONTRACT SVC	.00	294.70	.00	
4340					UTILITIES				
2 /19	09/07/18	21		59208	5516 AT&T		92.82	.00	FIRE
TOTAL					UTILITIES	.00	92.82	.00	
4360					TRAINING				
3 /19	09/07/18	21		59265	5326 STATE FIRE TRAIN		65.00	.00	INSPECTOR CERT D BING
TOTAL					TRAINING	.00	65.00	.00	
TOTAL					FIRE	.00	452.52	.00	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4224 - BUILDING INSPECTION

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4140									
	HEALTH INSURANCE								
3 /19	09/07/18	21		59251	6868 MIDAMERICA ADMIN		25.02	.00	ADMIN FEES JAN-MAR 18
TOTAL	HEALTH INSURANCE					.00	25.02	.00	
4310									
	PROFESSIONAL CONTRACT SVC								
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		2.12	.00	EMAIL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		16.47	.00	OFFICE 365
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		11.81	.00	PROG REMOTE LOGIN
TOTAL	PROFESSIONAL CONTRACT SVC					.00	30.40	.00	
4340									
	UTILITIES								
2 /19	09/07/18	21		59208	5516 AT&T		3.16	.00	BLD INSPEC
TOTAL	UTILITIES					.00	3.16	.00	
TOTAL	BUILDING INSPECTION					.00	58.58	.00	

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 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4230 - PUBLIC WORKS

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		6.70	.00	CERTIFIED MAIL
TOTAL						.00	6.70	.00	
4310									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		2.26	.00	EMAIL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		22.55	.00	OFFICE 365
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		11.81	.00	PROG REMOTE LOGIN
TOTAL						.00	36.62	.00	
4340									
2 /19	09/07/18	21		59208	5516 AT&T		4.21	.00	PUB WRKS
2 /19	09/07/18	21		59208	5516 AT&T		92.82	.00	PLANNING
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		27.04	.00	WATER SVC
TOTAL						.00	124.07	.00	
TOTAL						.00	167.39	.00	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4231 - STREETS

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220				OPERATING SUPPLIES				
2 /19 09/07/18 21	8705	-01	59252	5941 OMEGA INDUSTRIAL		1,656.00	-1,656.00	GRAFFITI REMOVER
2 /19 09/07/18 21	8705	-02	59252	5941 OMEGA INDUSTRIAL		45.92	-45.92	FREIGHT
2 /19 09/07/18 21	8705	-03	59252	5941 OMEGA INDUSTRIAL		120.06	-120.06	TAX
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		514.48	.00	WEED KILLER
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		128.57	.00	HOLE FLD HNDLE
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		64.33	.00	BALLISTIC LINE
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		402.19	.00	WEED KILLER
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		454.64	.00	GAS HEAD, GLWR, SPADE
TOTAL				OPERATING SUPPLIES	.00	3,386.19	-1,821.98	
4310				PROFESSIONAL CONTRACT SVC				
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		43.32	.00	PANT-AUS-FLAT FRONT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		44.82	.00	PANT-AUS-FLATFRONT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		46.34	.00	PANT-AUS-FLATFRONT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		46.34	.00	PANT-AUS-FLAT FRONT
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		26.79	.00	OFFICE 365
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		2.68	.00	EMAIL
TOTAL				PROFESSIONAL CONTRACT SVC	.00	210.29	.00	
TOTAL				STREETS	.00	3,596.48	-1,821.98	



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 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4241 - PARKS

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		20.44	.00	PANT-AUS-FLAT FRONT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		18.95	.00	PANT-AUS0FLAT-FRONT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		18.95	.00	PANT-AUS-FLATFRONT
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		21.76	.00	OFFICE 365
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		2.18	.00	EMAIL
TOTAL					PROFESSIONAL CONTRACT SVC	.00	82.28	.00	
TOTAL					PARKS	.00	82.28	.00	

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 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4242 - RECREATION

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4140									
	HEALTH INSURANCE								
3 /19	09/07/18	21		59251	6868 MIDAMERICA ADMIN		24.99	.00	ADMIN FEES JAN-MAR 18
TOTAL	HEALTH INSURANCE					.00	24.99	.00	
4200									
	DEFERRED COMPENSATION								
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		8.16	.00	SEN ADEVISRY MEETING
TOTAL	DEFERRED COMPENSATION					.00	8.16	.00	
4220									
	OPERATING SUPPLIES								
2 /19	09/07/18	21		59248	6696 LIVE SCAN FRESNO		320.00	.00	FINGERPRINT ROLLING
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		295.00	.00	DAY CAMP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		274.39	.00	DAY CAMP POTLUCK
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		400.00	.00	WINE TASTING
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		182.00	.00	WINE TASTING
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		243.00	.00	DAY CAMP FIELD TRIP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		171.52	.00	FINANCE PW VENDING
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		156.24	.00	DAY CAMP FIELD TRIP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		65.23	.00	DAY CAMP SNACKS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		59.91	.00	WINE TRIP LUNCH
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		56.16	.00	AIR RIFLE CLASS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		86.45	.00	DAY CAMP SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		76.94	.00	DAY CAMP SNACKS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		71.09	.00	DAY CAMP PIZZAS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		124.98	.00	DAY CAMP SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		100.00	.00	BOXING FEES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		92.95	.00	SUMMER DAY CAMP PIZZA
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		15.10	.00	POPSICLES SESSION2
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		17.30	.00	DAY CAMP FIELD TRIP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		21.90	.00	DAY CAMP SNACKS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		19.40	.00	DAY CAMP-POPSICLES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		18.66	.00	ADVERTISING FFTBALL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		.99	.00	PIC 7 MUSIC STORAGE
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		3.41	.00	DAY CAMP-FOAM CUPS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		3.84	.00	DAY CAMP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		5.36	.00	DAY CAMP SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		6.16	.00	SUMMER DAY CAMP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		6.42	.00	DAY CAMP SNACKS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		26.51	.00	REC PROGRAMS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		24.40	.00	DAY CAMP SNACKS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		22.62	.00	DAY CAMP PARENT NIGHT
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		23.15	.00	DAY CAMP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		23.55	.00	DAY CAMP SNACKS
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		27.00	.00	WINE TRIP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		32.64	.00	DAY CAMP SUMMER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		34.28	.00	SUMMER CAMP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		35.12	.00	DAY CAMP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		55.00	.00	DAY CAMP CONTEST

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 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 4242 - RECREATION

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220	OPERATING SUPPLIES		(cont'd)						
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		45.29	.00	DAY CAMP SUMMER
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		45.95	.00	SUMMER DAY CAMP COOKI
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		43.76	.00	WINE TASTING
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		38.37	.00	DAY CAMP SNACKS
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		480.00	.00	DAY CAMP ENTERTAINMEN
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		612.45	.00	DAY CAMP-FIELD TRIP
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		739.90	.00	VENDING MACHINE
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		864.00	.00	DAY CAMP FIELD TRIP
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		1,148.00	.00	DAY CAMP FIELD TRIP
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		1,276.60	.00	WINE TRIP
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		1,495.00	.00	WINE TRIP BUS
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		1,839.60	.00	DAY CAMP FIELD TRIP
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		14.06	.00	DAY CAMP SNACKS
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		12.97	.00	DAY CAMP SUPPLIES
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		9.00	.00	SEN ADIVISRY MEETING
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		10.83	.00	SUMMER DAY CAMP
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		11.54	.00	SUMMER DAY CAMP
TOTAL	OPERATING SUPPLIES					.00	11,885.99	.00	
4310	PROFESSIONAL CONTRACT SVC								
2 /19	09/07/18	21	59209	T2056	AUDREY LEE		119.00	.00	YOGA-AUG 2018
2 /19	09/07/18	21	59264	5235	STATE DISBURSEME		86.00	.00	J.GLASPIE CHILD SUPP
2 /19	09/07/18	21	59231	6731	FLORENCE COLBY		171.50	.00	ZUMBA AUG 18 MORN-EVE
2 /19	09/07/18	21	59210	0040	LARRY AVILA		154.00	.00	SOCCER REFEREE
2 /19	09/07/18	21	59249	6371	MANUEL VELARDE		140.00	.00	KARATE AUG 2018
2 /19	09/07/18	21	59236	5962	JASON GLASPIE		394.20	.00	BOXING-AUG 2018
3 /19	09/07/18	21	59240	6865	HANNESLTHILL CAM		280.50	.00	8/21-9/1
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		27.12	.00	OFFICE 365
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		2.71	.00	EMAIL
3 /19	09/07/18	21	59230	3022	FIRST BANKCARD		16.87	.00	PROG REMOTE LOGIN
TOTAL	PROFESSIONAL CONTRACT SVC					.00	1,391.90	.00	
4340	UTILITIES								
2 /19	09/07/18	21	59208	5516	AT&T		55.69	.00	REC
TOTAL	UTILITIES					.00	55.69	.00	
TOTAL	RECREATION					.00	13,366.73	.00	

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ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
BUDGET UNIT - 4296 - INFORMATION TECHNOLOGY

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220								
3 /19	09/07/18	21	59230	3022 FIRST BANKCARD		14.48	.00	BATTERY
TOTAL					.00	14.48	.00	
TOTAL					.00	14.48	.00	
TOTAL					.00	56,183.42	-8,769.81	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 040 - FLEET MAINTENANCE  
 BUDGET UNIT - 4265 - FLEET MAINTENANCE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220					OPERATING SUPPLIES				
2 /19	09/07/18	21		59222	6966 ABSOLUTE PROFESS		35.52	.00	HI SIDE COUPLER
2 /19	09/07/18	21		59234	6751 FURTADO WELDING		95.33	.00	BI MIX 75/25 LRG K
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		53.08	.00	BOLT,MOWBALL, ASSYMBL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		1,811.60	.00	EVAPORATOR,AIR CONDIT
TOTAL					OPERATING SUPPLIES	.00	1,995.53	.00	
4220F					OPERATING SUPPLIES FUEL				
3 /19	09/07/18	21	8623	-01 59235	6445 GARY V. BURROWS,		12,314.16	-12,314.16	BLANKET PO FOR FUEL 18-19
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		43.46	.00	FUEL-GILES UNIT56
TOTAL					OPERATING SUPPLIES FUEL	.00	12,357.62	-12,314.16	
4230					REPAIR/MAINT SUPPLIES				
2 /19	09/07/18	21		59212	1908 BATTERY SYSTEMS		96.48	.00	78DT,-75
2 /19	09/07/18	21		59218	6374 COOK'S COMMUNICA		107.98	.00	KENWOOD STAND MIC
2 /19	09/07/18	21		59223	6411 BRIDGEPORT MANUF		108.23	.00	JOYSTICK MICROSWITCH
2 /19	09/07/18	21		59272	5379 TURF STAR		134.30	.00	BEARING
2 /19	09/07/18	21		59259	0535 RUCKSTELL CALIF		368.69	.00	HIGH PRESS FILTER
2 /19	09/07/18	21		59246	0286 LAWRENCE TRACTOR		184.82	.00	MAINT KIT
2 /19	09/07/18	21	8708	-01 59272	5379 TURF STAR		728.89	-728.89	ELECTRIC CLUTCH
2 /19	09/07/18	21	8708	-02 59272	5379 TURF STAR		52.84	-52.84	TAX
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		1,776.83	.00	AC/HEATING
TOTAL					REPAIR/MAINT SUPPLIES	.00	3,559.06	-781.73	
4310					PROFESSIONAL CONTRACT SVC				
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		76.30	.00	PANT-CTTN-EASYFIT WAS
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		44.82	.00	GP1403NVYY
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		46.32	.00	PANT- CTTNEASYFIT
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		8.36	.00	OFFICE 365
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		6.74	.00	PROG REMOTE LOGIN
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		.83	.00	EMAIL
TOTAL					PROFESSIONAL CONTRACT SVC	.00	183.37	.00	
4340					UTILITIES				
2 /19	09/07/18	21		59208	5516 AT&T		2.65	.00	FLEET
TOTAL					UTILITIES	.00	2.65	.00	
4350					REPAIR/MAINT SERVICES				
2 /19	09/07/18	21	8709	-01 59216	5964 CENTRAL VALLEY U		345.00	-345.00	FIX FOAM & REPAIR BUCKET
2 /19	09/07/18	21	8709	-02 59216	5964 CENTRAL VALLEY U		175.00	-175.00	RECOVER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		757.83	.00	MODULE ANTI-LOCK BRAK
TOTAL					REPAIR/MAINT SERVICES	.00	1,277.83	-520.00	
TOTAL					FLEET MAINTENANCE	.00	19,376.06	-13,615.89	
TOTAL					FLEET MAINTENANCE	.00	19,376.06	-13,615.89	

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ACCOUNTING PERIOD: 3/19

FUND - 045 - GOLF COURSE - CITY  
BUDGET UNIT - 4245 - GOLF COURSE-CITY

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4000K								COST OF REVENUE-KITCHEN

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 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 045 - GOLF COURSE - CITY  
 BUDGET UNIT - 4245 - GOLF COURSE-CITY

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4000K	COST OF REVENUE-KITCHEN								
2 /19	09/07/18	21		59213	6438 PEPSI BEVERAGES		444.66	.00	SODA CASES
2 /19	09/07/18	21	8614 -01	59269	6440 SYSCO		246.71	-246.71	BLANKET PO 18-19.
2 /19	09/07/18	21		59213	6438 PEPSI BEVERAGES		332.61	.00	SODA CASES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		273.58	.00	FOOD SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		283.44	.00	FOOD SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		274.65	.00	FOOD SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		129.90	.00	FOOD SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		18.29	.00	FOOD/KITCHEN SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		13.61	.00	FOOD SUPPLIES
TOTAL	COST OF REVENUE-KITCHEN					.00	2,017.45	-246.71	
4000P	COST OF REVENUE-PRO SHOP								
2 /19	09/07/18	21	8716 -01	59270	6443 TAYLORMADE GOLF		720.00	-720.00	BLANKET - GOLF CLUBS, BAG
2 /19	09/07/18	21		59225	6921 DR.OUUL,LLC		113.00	.00	PY6WCT-214-PYTHNWP BA
2 /19	09/07/18	21		59237	6453 GLOBAL TOUR GOLF		103.74	.00	BAG SHAG TUBE
2 /19	09/07/18	21		59225	6921 DR.OUUL,LLC		276.00	.00	PTHN WP CART BAG
2 /19	09/07/18	21		59205	6450 TITLEIST		355.45	.00	PERMA-SOFT MENS REG L
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		88.45	.00	APPAREL -RESALE
TOTAL	COST OF REVENUE-PRO SHOP					.00	1,656.64	-720.00	
4220K	OPERATING SUPPLIES-KITCH								
2 /19	09/07/18	21		59217	6624 CINTAS		50.00	.00	TERRY TOWEL
2 /19	09/07/18	21		59217	6624 CINTAS		50.00	.00	TERRY TOWEL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		80.58	.00	SUNDAY BUFFET SIGN
TOTAL	OPERATING SUPPLIES-KITCH					.00	180.58	.00	
4220M	OPERATING SUPPLIES MAINT.								
2 /19	09/07/18	21		59246	0286 LAWRENCE TRACTOR		66.48	.00	TRIMMER LINE
2 /19	09/07/18	21	8700 -01	59267	0428 STONEY'S SAND &		864.49	-864.49	SAND, GRAVEL, SOIL AMENDM
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		20.94	.00	CART PART
TOTAL	OPERATING SUPPLIES MAINT.					.00	951.91	-864.49	
4220P	OPERATING SUPPLIES-PRO SH								
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		-181.25	.00	DEFECTIVE VACCUMM
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		64.34	.00	OFFICE SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		115.83	.00	VACCUMM-CLUBHOUSE
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		168.06	.00	BR SINK/ELEC PLUGS
TOTAL	OPERATING SUPPLIES-PRO SH					.00	166.98	.00	
4291	MISCELLANEOUS EXPENSES								
2 /19	09/07/18	21	8711 -01	59224	6986 DON THOMPSON		1,150.00	-1,200.00	TELEVISION AD FOR GOLF CO
2 /19	09/07/18	21	8714 -01	59268	6890 STOTT		915.00	-915.00	BLANKET - BILLBOARD ADVER
2 /19	09/07/18	21	8714 -01	59268	6890 STOTT		915.00	-915.00	BLANKET - BILLBOARD ADVER
2 /19	09/07/18	21		59268	6890 STOTT		495.00	.00	HWY 41-ILLUMINATED
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		13.93	.00	MEMBERSHIP
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		176.95	.00	RESTAURANT CARDS

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 ACCOUNTING PERIOD: 3/19

FUND - 045 - GOLF COURSE - CITY  
 BUDGET UNIT - 4245 - GOLF COURSE-CITY

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4291									
									(cont'd)
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		26.80	.00	RESTAURANT CARDS
TOTAL						.00	3,692.68	-3,030.00	
4320									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		290.00	.00	MEETINGS & DUES
TOTAL						.00	290.00	.00	SEMINAR/EDUCATION
4340									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		128.20	.00	UTILITIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		89.86	.00	CH TV SVC
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		40.00	.00	PHONE SERVICE
TOTAL						.00	258.06	.00	PHONE SERVICE
4382									
2 /19	09/07/18	21	8615	-01 59256	6447 PNC EQUIPMENT FI		4,491.03	-4,491.03	LEASE PURCHASE
TOTAL						.00	4,491.03	-4,491.03	ANNUAL GOLF CART LEASE
TOTAL						.00	13,705.33	-9,352.23	GOLF COURSE-CITY
TOTAL						.00	13,705.33	-9,352.23	GOLF COURSE - CITY



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 ACCOUNTING PERIOD: 3/19

FUND - 050 - WATER  
 BUDGET UNIT - 4250 - WATER

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4140									
	HEALTH INSURANCE								
3 /19	09/07/18	21		59251	6868 MIDAMERICA ADMIN		24.99	.00	ADMIN FEES JAN-MAR 18
TOTAL	HEALTH INSURANCE					.00	24.99	.00	
4220									
	OPERATING SUPPLIES								
2 /19	09/07/18	21		59239	0188 FERGUSON ENTERPR		-70.77	.00	CREDIT-INV#1333985
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		634.14	-634.14	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		672.76	-672.76	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		680.50	-680.50	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		711.39	-711.39	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		757.75	-757.75	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		1,144.02	-1,144.02	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		1,272.27	-1,272.27	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		1,561.21	-1,561.21	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		1,619.92	-1,619.92	ACCOUNT # 4250-4220CH 18-
2 /19	09/07/18	21	8597	-01 59273	6058 UNIVAR		2,488.28	-2,488.28	ACCOUNT # 4250-4220CH 18-
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		538.79	.00	WELL 12 SAMPLES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		3.50	.00	APP FOR JOHN SOUZA
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		105.07	.00	PENS,CALC,
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		58.97	.00	HOSE 370
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		71.28	.00	USB CAR CHARGER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		164.98	.00	SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		227.50	.00	EXCEL CLASSES 50%DEPT
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		193.94	.00	COOLING TOWELS,CANOPY
TOTAL	OPERATING SUPPLIES					.00	12,835.50	-11,542.24	
4230									
	REPAIR/MAINT SUPPLIES								
2 /19	09/07/18	21		59238	1116 GOLDEN STATE FLO		228.51	.00	SECURITY SOCKET
2 /19	09/07/18	21	8598	-01 59239	0188 FERGUSON ENTERPR		94.17	-94.17	18-19 BLANKET PO, WATER D
2 /19	09/07/18	21	8598	-01 59239	0188 FERGUSON ENTERPR		796.84	-796.84	18-19 BLANKET PO, WATER D
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		440.30	.00	ARSENIC 1ST REG BOTTL
TOTAL	REPAIR/MAINT SUPPLIES					.00	1,559.82	-891.01	
4310									
	PROFESSIONAL CONTRACT SVC								
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		187.04	.00	PANT-AUS-FLATFRONT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		142.96	.00	PANT-AUS-FLAT FRONT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		71.04	.00	PANT-AUS-FLAT-FRONT
2 /19	09/07/18	21		59207	2653 AMERIPRIDE		81.36	.00	PANT-AUS-FLAT FRONT
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		5.22	.00	EMAIL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		8.44	.00	PROGRAM REMOTE LOGIN
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		52.23	.00	OFFICE 365
TOTAL	PROFESSIONAL CONTRACT SVC					.00	548.29	.00	
4320									
	MEETINGS & DUES								
2 /19	09/07/18	21		59275	5659 VALLEY COUNTIES		270.00	.00	VCWA DINNER
2 /19	09/07/18	21		59275	5659 VALLEY COUNTIES		300.00	.00	VCWA DINNER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		264.50	.00	ARESENIC 1ST REG BOTT

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 EXPENDITURE TRANSACTION ANALYSIS

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 ACCOUNTING PERIOD: 3/19

FUND - 050 - WATER  
 BUDGET UNIT - 4250 - WATER

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4320					(cont'd)				
TOTAL					MEETINGS & DUES	.00	834.50	.00	
4340					UTILITIES				
2 /19	09/07/18	21		59208	5516 AT&T		40.56	.00	7/25/18-8/24/18
2 /19	09/07/18	21		59208	5516 AT&T		21.05	.00	7/25/18-8/24/18
2 /19	09/07/18	21		59208	5516 AT&T		3.68	.00	WATER
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		78.61	.00	WATER SERVICE
TOTAL					UTILITIES	.00	143.90	.00	
4350					REPAIR/MAINT SERVICES				
2 /19	09/07/18	21	8699	-01 59220	3095 CRUSHA MOTOR & E		680.00	-680.00	THRUST BEARING
2 /19	09/07/18	21	8699	-02 59220	3095 CRUSHA MOTOR & E		145.00	-145.00	RADIAL BEARING
2 /19	09/07/18	21	8699	-03 59220	3095 CRUSHA MOTOR & E		62.00	-62.00	SIGHT GLASS
2 /19	09/07/18	21	8699	-04 59220	3095 CRUSHA MOTOR & E		38.00	-38.00	ELECTRIC MOTOR OIL
2 /19	09/07/18	21	8699	-05 59220	3095 CRUSHA MOTOR & E		790.00	-790.00	LABOR
2 /19	09/07/18	21	8699	-06 59220	3095 CRUSHA MOTOR & E		67.06	-67.06	TAX
TOTAL					REPAIR/MAINT SERVICES	.00	1,782.06	-1,782.06	
4360					TRAINING				
2 /19	09/07/18	21		59266	1616 SWRCB		45.00	.00	WATER CERT RENEWAL
TOTAL					TRAINING	.00	45.00	.00	
TOTAL					WATER	.00	17,774.06	-14,215.31	

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 EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 050 - WATER  
 BUDGET UNIT - 4251 - UTILITY OFFICE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220					OPERATING SUPPLIES				
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		-54.04	.00	OFFICE SUPPLIES
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		353.91	.00	SCANNER
TOTAL					OPERATING SUPPLIES	.00	299.87	.00	
4310					PROFESSIONAL CONTRACT SVC				
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		.84	.00	EMAIL
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		8.36	.00	OFFICE 365
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		6.75	.00	PROG REMOTE LOGIN
TOTAL					PROFESSIONAL CONTRACT SVC	.00	15.95	.00	
4340					UTILITIES				
2 /19	09/07/18	21		59208	5516 AT&T		102.09	.00	UTILITY
TOTAL					UTILITIES	.00	102.09	.00	
TOTAL					UTILITY OFFICE	.00	417.91	.00	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 050 - WATER  
BUDGET UNIT - 5211 - REPAINT WATER TANKS

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4230									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		1,202.35	.00	LIFELINE/CARABINER,ST
TOTAL						.00	1,202.35	.00	
TOTAL						.00	1,202.35	.00	
TOTAL						.00	19,394.32	-14,215.31	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 056 - REFUSE  
 BUDGET UNIT - 4256 - REFUSE

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4140								
3 /19 09/07/18 21			59251	6868 MIDAMERICA ADMIN		24.99	.00	ADMIN FEES JAN-MAR 18
TOTAL					.00	24.99	.00	
4220								
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		368.44	.00	RUBBER GLOVES, GLASSES
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		343.19	.00	STRING TRIMMER
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		249.85	.00	SUPPLIES
TOTAL					.00	961.48	.00	
4230								
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		1,759.99	.00	PR-TM06201-S
TOTAL					.00	1,759.99	.00	
4310								
2 /19 09/07/18 21 8703 -01			59226	6869 MILLENNIUM FUNDI		700.80	-700.80	BLANKET FOR TEMP LABOR 18
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		61.98	.00	PANT-CTTN-EASYFIT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		61.99	.00	PANT-CTTNEASY FIT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		68.49	.00	PANT-CTTN-ESYFIT WAIS
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		65.44	.00	PANT-CTTN-EASYFIT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		50.30	.00	PANT-CTTNEASYFIT
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		45.96	.00	OFFICE 365
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		6.75	.00	PROG REMOTE LOGIN
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		4.60	.00	EMAIL
TOTAL					.00	1,066.31	-700.80	
4340								
2 /19 09/07/18 21			59208	5516 AT&T		2.10	.00	REFUSE
TOTAL					.00	2.10	.00	
TOTAL					.00	3,814.87	-700.80	
TOTAL					.00	3,814.87	-700.80	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 060 - SEWER& STORM WTR DRAINAGE  
 BUDGET UNIT - 4260 - SEWER

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220				OPERATING SUPPLIES				
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		3.49	.00	APP FOR JOHN SOUZA
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		38.03	.00	PENS, MEMOBOOK, CH STR
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		227.50	.00	EXCEL CLASSES 50% DEP
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		193.04	.00	WATSEWATER PRINTER
TOTAL				OPERATING SUPPLIES	.00	462.06	.00	
4300				RENTAL/CITY OWNED VEHICLE				
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		478.08	.00	TRUCKS 335,349,329
TOTAL				RENTAL/CITY OWNED VEHICLE	.00	478.08	.00	
4310				PROFESSIONAL CONTRACT SVC				
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		64.91	.00	PANT-JEAN-AUS- RLX FI
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		60.26	.00	PANT-JEAN-AUS-RLXFIT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		61.70	.00	PANT-JEAN-AUS-RLXFIT
2 /19 09/07/18 21			59207	2653 AMERIPRIDE		55.89	.00	PANT-JEANS-AUS RLX FI
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		48.05	.00	OFFICE 365
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		4.81	.00	EMAIL
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		5.06	.00	PROG REMOTE LOGIN
TOTAL				PROFESSIONAL CONTRACT SVC	.00	300.68	.00	
4340				UTILITIES				
2 /19 09/07/18 21			59208	5516 AT&T		2.09	.00	SEWER
2 /19 09/07/18 21			59208	5516 AT&T		21.05	.00	7/25/18-8/24/18
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		104.09	.00	WATER SERVICES
TOTAL				UTILITIES	.00	127.23	.00	
4360				TRAINING				
2 /19 09/07/18 21			59250	T1003 JUAN MENDOZA		91.83	.00	REIMBURSE WATER EXAM
2 /19 09/07/18 21			59271	T2407 THOMAS NULL		76.00	.00	REIMBURSE CLASS B LIC
2 /19 09/07/18 21			59266	1616 SWRCB		45.00	.00	WATER CERT RENEWAL
3 /19 09/07/18 21			59230	3022 FIRST BANKCARD		901.10	.00	LOPEZ, MENDOZA TRAININ
TOTAL				TRAINING	.00	1,113.93	.00	
TOTAL	SEWER				.00	2,481.98	.00	
TOTAL	SEWER& STORM WTR DRAINAGE				.00	2,481.98	.00	

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CITY OF LEMOORE  
EXPENDITURE TRANSACTION ANALYSIS

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 160 - 2016 BOND FUND  
BUDGET UNIT - 5202 - TTHM PROJECT

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4220									
3 /19	09/07/18	21		59230	3022 FIRST BANKCARD		5.00	.00	SCADA APP
TOTAL						.00	5.00	.00	
TOTAL						.00	5.00	.00	
TOTAL						.00	5.00	.00	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 201 - LLMD ZONE 1  
BUDGET UNIT - 4851 - LLMD ZONE 1 WESTFIELD

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8618	-01 59277	6694 WILLDAN FINANCIA		706.69	-706.69	LLMD Z1 ANNUAL ASSESSMENT
TOTAL						.00	706.69	-706.69	
TOTAL						.00	706.69	-706.69	
TOTAL						.00	706.69	-706.69	



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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 203 - LLMD ZONE 3 SILVA ESTATES  
BUDGET UNIT - 4853 - LLMD ZONE 3 SILVA ESTATES

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19	09/07/18	21 8625	-01 59277	6694 WILLDAN FINANCIA		326.17	-326.17	LLMD Z3 ANNUAL ASSESSMENT
TOTAL					.00	326.17	-326.17	
TOTAL					.00	326.17	-326.17	
TOTAL					.00	326.17	-326.17	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 205 - LLMD ZONE 5 WILDFLOWER  
BUDGET UNIT - 4855 - LLMD ZONE 5 WILDFLOWER

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19	09/07/18	21 8626	-02 59277	6694 WILLDAN FINANCIA		29.65	-29.65	LLMD Z5 ANNUAL EXPENSE
TOTAL					.00	29.65	-29.65	
TOTAL					.00	29.65	-29.65	
TOTAL					.00	29.65	-29.65	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 206 - LLMD ZONE 6 CAPISTRANO  
BUDGET UNIT - 4856 - LLMD ZONE 6 CAPISTRANO

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19	09/07/18	21 8627	-01 59277	6694 WILLDAN FINANCIA		128.83	-128.83	LLMD Z6 ANNUAL ASSESSMENT
TOTAL					.00	128.83	-128.83	
TOTAL					.00	128.83	-128.83	
TOTAL					.00	128.83	-128.83	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 207 - LLMD ZONE 7 SILVERADO  
BUDGET UNIT - 4857 - LLMD ZONE 7 SILVERADO

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8628	-01 59277	6694 WILLDAN FINANCIA		54.19	-54.19	LLMD Z7 ANNUAL ASSESSMENT
TOTAL						.00	54.19	-54.19	
TOTAL						.00	54.19	-54.19	
TOTAL						.00	54.19	-54.19	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 208 - LLMD ZONE 8 COUNTY CLUB  
BUDGET UNIT - 4858 - LLMD ZONE 8 COUNTY CLUB

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19	09/07/18	21 8629	-01 59277	6694 WILLDAN FINANCIA		134.96	-134.96	LLMD Z8A ANNUAL ASSESSMEN
2 /19	09/07/18	21 8629	-03 59277	6694 WILLDAN FINANCIA		143.15	-143.15	LLMD Z8B ANNUAL ASSESSMEN
TOTAL					.00	278.11	-278.11	
TOTAL					.00	278.11	-278.11	
TOTAL					.00	278.11	-278.11	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 209 - LLM D ZONE 9 LA DANTE ROSE  
BUDGET UNIT - 4859 - LLM D ZONE 9 LA DANTE ROSE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
	2 /19	09/07/18	21 8630	-01 59277	6694 WILLDAN FINAN CIA		137.01	-137.01	LLMD Z9 ANNUAL ASSESSMENT
TOTAL						.00	137.01	-137.01	
4350									
	2 /19	09/07/18	21 8584	-01 59243	6255 JOHN'S TREE SERV		4,000.00	-4,000.00	LLMD - ZONE 9 LA DANTE
TOTAL						.00	4,000.00	-4,000.00	
TOTAL					LLMD ZONE 9 LA DANTE ROSE	.00	4,137.01	-4,137.01	
TOTAL					LLMD ZONE 9 LA DANTE ROSE	.00	4,137.01	-4,137.01	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 210 - LLMD ZONE 10 AVALON  
BUDGET UNIT - 4860 - LLMD ZONE 10 AVALON

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8631	-01 59277	6694 WILLDAN FINANCIA		154.40	-154.40	LLMD Z10 ANNUAL ASSESSMEN
TOTAL						.00	154.40	-154.40	
TOTAL						.00	154.40	-154.40	
TOTAL						.00	154.40	-154.40	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 211 - LLMD ZONE 11 SELF HELP EN  
BUDGET UNIT - 4861 - LLMD ZONE 11 SELF HELP EN

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310			PROFESSIONAL CONTRACT SVC					
2 /19 09/07/18 21 8632			-01 59277	6694 WILLDAN FINANCIA		36.81	-36.81	LLMD Z11 ANNUAL ASSESSMEN
TOTAL			PROFESSIONAL CONTRACT SVC		.00	36.81	-36.81	
TOTAL			LLMD ZONE 11 SELF HELP EN		.00	36.81	-36.81	
TOTAL			LLMD ZONE 11 SELF HELP EN		.00	36.81	-36.81	



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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 212 - LLMD ZONE 12 SUMMERWIND  
BUDGET UNIT - 4862 - LLMD ZONE 12 SUMMERWIND

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8633	-01 59277	6694 WILLDAN FINANCIA		564.40	-564.40	LLMD Z12 ANNUAL ASSESSMEN
TOTAL						.00	564.40	-564.40	
TOTAL						.00	564.40	-564.40	
TOTAL						.00	564.40	-564.40	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 213 - LLMD ZONE 13 CORNERSTONE  
BUDGET UNIT - 4863 - LLMD ZONE 13 CORNERSTONE

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8634	-01 59277	6694 WILLDAN FINANCIA		33.74	-33.74	LLMD Z13 ANNUAL ASSESSMEN
TOTAL						.00	33.74	-33.74	
TOTAL						.00	33.74	-33.74	
TOTAL						.00	33.74	-33.74	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 251 - PFMD ZONE 1  
 BUDGET UNIT - 4871 - PFMD ZONE 1

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19	09/07/18	21 8635	-01 59277	6694 WILLDAN FINANCIA		469.32	-469.32	PFMD Z1 ANNUAL ASSESSMENT
3 /19	09/07/18	21 8720	-03 59244	6459 CLEAN CUT LANDSC		724.33	-724.33	PFMD ZONE 1
TOTAL				PROFESSIONAL CONTRACT SVC	.00	1,193.65	-1,193.65	
TOTAL				PFMD ZONE 1	.00	1,193.65	-1,193.65	
TOTAL				PFMD ZONE 1	.00	1,193.65	-1,193.65	

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EXPENDITURE TRANSACTION ANALYSIS

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AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 252 - PFMD ZONE 2  
BUDGET UNIT - 4872 - PFMD ZONE 2

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8636	-01 59277	6694 WILLDAN FINANCIA		1,014.05	-1,014.05	PFMD Z2 ANNUAL ASSESSMENT
TOTAL						.00	1,014.05	-1,014.05	
TOTAL						.00	1,014.05	-1,014.05	
TOTAL						.00	1,014.05	-1,014.05	

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AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 253 - PFMD ZONE 3  
BUDGET UNIT - 4873 - PFMD ZONE 3

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8637	-01 59277	6694 WILLDAN FINANCIA		310.08	-310.08	PFMD Z3 ANNUAL ASSESSMENT
TOTAL						.00	310.08	-310.08	
TOTAL						.00	310.08	-310.08	
TOTAL						.00	310.08	-310.08	

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AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 254 - PFMD ZONE 4  
BUDGET UNIT - 4874 - PFMD ZONE 4

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19	09/07/18	21 8638	-01 59277	6694 WILLDAN FINANCIA		270.27	-270.27	PFMD Z4 ANNUAL ASSESSMENT
3 /19	09/07/18	21 8720	-02 59244	6459 CLEAN CUT LANDSC		381.66	-381.66	PFMD ZONE 4
TOTAL					.00	651.93	-651.93	
TOTAL					.00	651.93	-651.93	
TOTAL					.00	651.93	-651.93	

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SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 255 - PFMD ZONE 5  
BUDGET UNIT - 4875 - PFMD ZONE 5

ACCOUNT DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310								
2 /19	09/07/18	21 8639	-01 59277	6694 WILLDAN FINANCIA		502.84	-502.84	PFMD Z5 ANNUAL ASSESSMENT
3 /19	09/07/18	21 8720	-01 59244	6459 CLEAN CUT LANDSC		1,328.92	-1,328.92	BLANKET PO
TOTAL					.00	1,831.76	-1,831.76	
TOTAL					.00	1,831.76	-1,831.76	
TOTAL					.00	1,831.76	-1,831.76	

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AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 256 - PFMD ZONE 6  
BUDGET UNIT - 4876 - PFMD ZONE 6

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8640	-01 59277	6694 WILLDAN FINANCIA		406.46	-406.46	PFMD Z6 ANNUAL ASSESSMENT
TOTAL						.00	406.46	-406.46	
TOTAL						.00	406.46	-406.46	
TOTAL						.00	406.46	-406.46	



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CITY OF LEMOORE  
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AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 257 - PFMD ZONE 7  
BUDGET UNIT - 4877 - PFMD ZONE 7

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8657	-01 59277	6694 WILLDAN FINANCIA		83.80	-83.80	LLMD Z7 ANNUAL ASSESSMENT
TOTAL						.00	83.80	-83.80	
TOTAL						.00	83.80	-83.80	
TOTAL						.00	83.80	-83.80	

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AUDIT11

SELECTION CRITERIA: transact.yr='19' and transact.fund between '001' and '300' and transact.batch='JL090718'  
ACCOUNTING PERIOD: 3/19

FUND - 258 - PFMD ZONE 8  
BUDGET UNIT - 4878 - PFMD ZONE 8

ACCOUNT	DATE	T/C	ENCUMBRANC	REFERENCE	VENDOR	BUDGET	EXPENDITURES	ENCUMBRANCES	DESCRIPTION
4310									
2 /19	09/07/18	21	8658	-01 59277	6694 WILLDAN FINANCIA		268.18	-268.18	LLMD Z8 ANNUAL ASSESSMENT
TOTAL						.00	268.18	-268.18	
TOTAL						.00	268.18	-268.18	
TOTAL						.00	268.18	-268.18	
TOTAL						.00	127,170.89	-58,863.95	

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CITY OF LEMOORE  
 REVENUE TRANSACTION ANALYSIS

PAGE NUMBER: 1  
 AUDIT31

SELECTION CRITERIA: transact.yr='19' and transact.account between '3000' and '3999' and transact.batch='JL090718'  
 ACCOUNTING PERIOD: 3/19

FUND - 001 - GENERAL FUND  
 BUDGET UNIT - 001 - GENERAL FUND

ACCOUNT	DATE	T/C	RECEIVE REFERENCE	PAYER/VENDOR	BUDGET	RECEIPTS	RECEIVABLES DESCRIPTION
3625			CIVIC AUDITORIUM RENTAL				
3 /19	09/07/18	210	59262	T2572 SOFIA MEZA		-200.00	REFUND VET HALL
3 /19	09/07/18	210	59253	T2571 PAT KLOKA		-250.00	REFUND CIVIC AUDITORIUM
TOTAL			CIVIC AUDITORIUM RENTAL		.00	-450.00	.00
3681			RECREATION FEES				
3 /19	09/07/18	210	59263	T2573 STACIE TOSTE		-50.00	REFUND HOEDOWN CXLD
3 /19	09/07/18	210	59241	T2569 JAMIE TULAK		-50.00	REFUND-HOEDOWN CXLD
3 /19	09/07/18	210	59242	T2570 JOANNE CAMP		-50.00	REFUND-HOEDOWN CXLD
3 /19	09/07/18	210	59214	T2567 BRIANA BREEN		-50.00	REFUND-HOEDOWN CXLD
3 /19	09/07/18	210	59215	T2568 CARA TUMAN		-50.00	REFUND-HOEDOWN CXLD
TOTAL			RECREATION FEES		.00	-250.00	.00
TOTAL			GENERAL FUND		.00	-700.00	.00
TOTAL			GENERAL FUND		.00	-700.00	.00
TOTAL			REPORT		.00	-700.00	.00