

EnviroTech Consultants, Inc.

5400 Rosedale Highway
Bakersfield, CA 93308

**R&R RESOURCES, LLC
RESPONSE TO RWQCB SECTION 13267 ORDER
POND INFORMATION AND SAMPLING RESULTS**

**EDISON OIL FIELD
LEHR LEASE
SECTION 33 T30S/R22E MDB&M**

July 28, 2015

Prepared by:

EnviroTech Consultants, Inc.

J. M. Sawyer #4450

L M Sawyer, PG
CA PG License # 4450

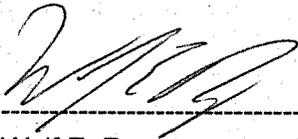
R & R RESOURCES, LLC

July 14, 2015

Certification Statement

RWQCB Order 13267, Pond Sampling Technical Report
R&R Resources, LLC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Wolf E. Regener
President

Table of Contents

1.0	IDENTIFICATION OF DISCHARGES OF PRODUCED WATER TO LAND	1
2.0	POND SAMPLING	1
3.0	POND SAMPLING ANALYTICAL RESULTS.....	1
4.0	INFORMATION FOR EACH SURFACE IMPOUNDMENT.....	6

LIST OF TABLES

Table 3-1: General Chemistry	1
Table 3-2: Anions.....	2
Table 3-3: Metals	3
Table 3-4: BTEX and TPH	4
Table 3-5: Semi-volatile Organic Compounds	5
Table 3-6: Radionuclides	6
Table 4-1: Surface Impoundment Information	6

ATTACHMENTS

ATTACHMENT A	Lehr Pond Map
ATTACHMENT B	Lehr Site Plan
ATTACHMENT B	Copy of RWQCB Order 13267, 1 April, 2015
ATTACHMENT C	Laboratory Analytical Report

1.0 IDENTIFICATION OF DISCHARGES OF PRODUCED WATER TO LAND

One pond was identified containing discharges of produced water. A map of the pond and surrounding lease is included as Attachment A.

2.0 POND SAMPLING

Representative samples of wastewater were collected by R&R Resources and EnviroTech Consultants, Inc. (EnviroTech) from the wastewater tank (Attachment B) on April 21, 2015 and May 27, 2015, respectively, as required by Order 13267 dated May 19, 2015 (Attachment C). The samples were collected from the sample port on the wastewater tank, decanted into appropriate sampling containers and cooled with ice for storage and transportation to the laboratory under standard chain of custody procedures.

3.0 POND SAMPLING ANALYTICAL RESULTS

The preliminary samples were received by Zalco Laboratories, Inc. on April 21, 2015 and May 27, 2015. EnviroTech received the preliminary laboratory analytical report on June 4, 2015; the radionuclide analytical results were received on June 18, 2015. The analytical results are summarized in the following tables; complete laboratory reports are included in Attachment D.

Table 3-1: General Chemistry

Sample ID	Date Sampled	Total Dissolved Solids	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium	Strontium	Alkalinity as CaCO ₃	Bicarbonate ion as HCO ₃	Carbonate as CO ₃	Hydroxide as OH
EPA Analytical Method		2540C	200.7							2320B			
Units		mg/L											
Reporting limit		Reporting limits vary, see full analytical report.											
		Results											
Lehr Pond	5/27/2015	580	17	<0.10	0.39	0.40	1.9	120	0.11	310	310	<10	<10

Bold = Analyte detected at or above minimum reporting limit.
 Reporting limit varies by sample. See full analytic report.

Table 3-2: Anions

Sample ID	Date Sampled	Anions, Ion Chromatography			
		Bromide	Chloride	Nitrate as NO3	Sulfate
EPA Analytical Method		300.0			
Units		mg/L			
Reporting Limit		Reporting limit varies, see full analytical report.			
Lehr Pond	5/27/2015	0.11	31*	<2.00	<0.50

Bold = Analyte detected at or above minimum reporting limit.

Reporting limit varies by sample. See full analytic report.

* = Sample taken on 4/21/2015

Table 3-3: Metals

Sample ID	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead
EPA Analytical Method		6010B			200.7	6010B					
Units		mg/L									
Reporting Limit		Reporting limit varies by sample. See full analytical report.									
Lehr Pond	5/27/2015	<0.20	<0.020	0.17	<0.010	0.44*	<0.010	<0.050	<0.10	0.052	<0.050

N/A - Not analyzed for this compound

Bold = Analyte detected at or above minimum reporting limit.

* = Sample taken on 4/21/2015

Sample ID	Date Sampled	Lithium	Molybdenum	Nickel	Selenium	Silver	Strontium	Thallium	Vanadium	Zinc	Mercury
EPA Analytical Method		200.7	6010B			200.7	6010B		7470A		
Units		mg/L									
Reporting Limit		Reporting limit varies by sample. See full analytical report.									
Lehr Pond	5/27/2015	<0.10	<0.10	<0.050	<0.05	<0.020	0.11	<0.50	<0.10	<0.050	<0.0020

Table 3-4: BTEX and TPH

Sample ID	Date Sampled	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Gasoline Range	TPH as Crude Oil: Diesel Range Organics (DRO) (GC)	
						C6 – C10	C10 – C25	C18 – C36
EPA Analytical Method		8260B				8015B		
Units		ug/L				ug/L	mg/kg	
Reporting Limit		Varies, see laboratory report						
Lehr Pond	5/27/2015	<5.00	<5.00	<5.00	0.00	<0.050	17000	22500

Bold = Analyte detected at or above minimum reporting limit.
 Reporting limit varies by sample. See full analytic report.

Table 3-5: Semi-volatile Organic Compounds

Sample ID	Date Sampled	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
EPA Analytical Method		8270C_SIM															
Units		ug/L															
Lehr Pond	5/27/2015	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250

Bold = Analyte detected at or above minimum reporting limit.
 Reporting limit varies by sample. See full analytical report.

Bold = Analyte detected at or above minimum reporting limit.
 Reporting limit varies by sample. See full analytic report.

Table 3-6: Radionuclides

Sample ID	Date Sampled	Gross Alpha	Radium-226	Radium-228	Uranium
EPA Analytical Method		7110C	E903.1	Ra-05	E908
Units		pCi/L			
Regulatory Threshold*		15	--	5	20
Lehr Pond	5/27/2015	<15.0	<3.00	<2.00	<20.0

Bold = Analyte detected at or above minimum reporting limit.

Reporting limit varies by sample. See full analytic report.

* Title 22, Table 6443. MCL

-- No Regulatory Threshold

4.0 INFORMATION FOR EACH SURFACE IMPOUNDMENT

The following table contains the required information for the R&R Resources, Lehr lease pond.

Table 4-1: Surface Impoundment Information

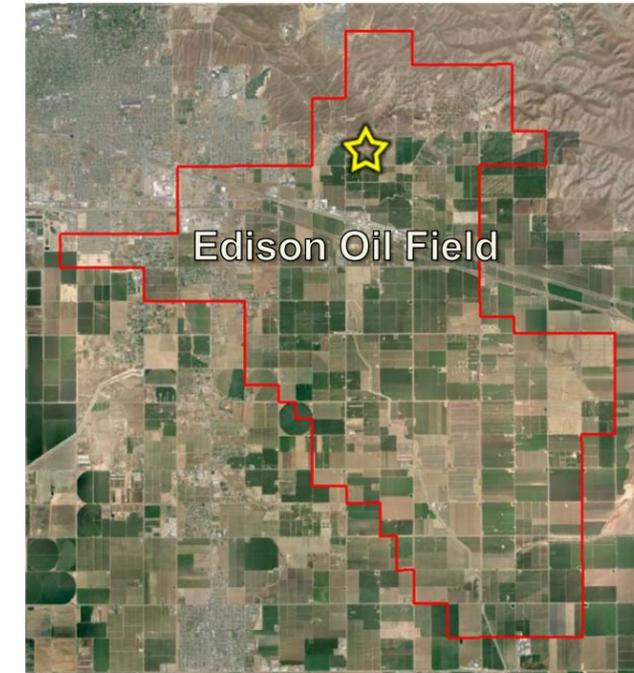
Surface Impoundment Dimensions (feet)			Location (NAD 83)	Assessor's Parcel Number of the Lease	Duration of Discharge (months)	Volume of Wastewater Discharged per year (BBLs)
Length	Width	Depth	Latitude: 35.363445°	388-280-08	3	15,000
35 ft	15 ft	10 ft	Longitude: -118.874649°			

ATTACHMENT A

R&R RESOURCES

LEHR POND MAP

R&R Resources, LLC



Legend



Lehr Lease



Lehr Lease Pond

Pond #1
Length -35'
Width - 15'
Depth - 10'

Prepared By:	TITLE:	Lehr Lease Pond
	FIELD:	Edison Oil Field
	COUNTY:	Kern
Section/Township/Range	DRN BY:	Kelsey Padilla
T29S/R29E – Section 33 MDB&M (SW ¼ of the NW ¼)	DATE:	May 28, 2015

ATTACHMENT B

R&R RESOURCES

LEHR SITE PLAN

R&R Resources, LLC

Site Plan



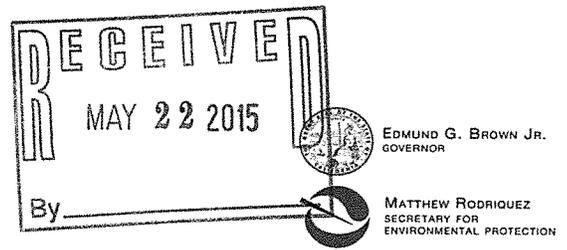
Sample taken from Wash Tank



ATTACHMENT C

R&R RESOURCES

COPY OF RWQCB ORDER 13267, 19 MAY 2015



Central Valley Regional Water Quality Control Board

19 May 2015

Wolf Regener
R&R Resources, LLC
760 Paseo Camarillo, Suite 350
Camarillo, CA 93010

CERTIFIED MAIL
7014 1200 0000 3347 6756

CALIFORNIA WATER CODE DIRECTIVE PURSUANT TO SECTION 13267. You are legally obligated to respond to this Order. Please read this Order carefully.

R&R Resources, LLC (hereafter Discharger) has been identified as the owner or operator of petroleum production wastewater disposal ponds (ponds). A list of the ponds (and the leases and oil fields where they are located) that the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) identifies as under your control is presented in Attachment A. Ponds for the disposal of wastewater generated during the course of petroleum production have the potential to affect the quality of groundwater (a water of the State). Groundwater underlying the areas where your ponds are located have beneficial uses as identified in the Water Quality Control Plan for the Tulare Lake Basin (Basin Plan).

This order requires the collection and analysis of wastewater samples collected from each of the ponds listed in Attachment A to characterize the discharge. Each sample is to be analyzed for each of the constituents listed in Attachment B. These data are needed to comprehensively characterize wastewater in each pond and provide data needed to evaluate the threat to the quality of waters of the State. If more than one pond is connected in series (i.e., one pond drains directly to the next with no other source of inflow) then only the upstream pond must be sampled. This order is not intended to require the collection of duplicative data. If during the 12 months (one year) prior to the date of this order, samples required by this order have been analyzed from one or more of the ponds for the required constituents, that data can be submitted for the appropriate order requirements.

This order also requires Discharger to identify any discharge(s) of oil field wastewater to land that is not identified in Attachment A. Discharger must also collect and analyze wastewater samples in accordance with Attachment B from any additionally identified discharge to characterize the discharge.

The Central Valley Water Board's authority to require technical reports derives from Section 13267 of the California Water Code, which specifies, in part, that:

(a) A regional Board ... in connection with any action relating to any plan or requirement authorized by this division, may investigate the quality of any waters of the State within its region.

(b)(1) In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefit to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.

The Central Valley Water Board is concerned about the potential impacts to water quality posed by the discharge of oil field produced waters in surface ponds. The technical information and reports required by this order are necessary to assess the potential threat to water quality. The need to understand the potential impacts to water quality justify the need for the information and reports required by this order. Based on the nature and possible consequences of the discharges of waste, the burden of providing the required information, including the reporting costs, bears a reasonable relationship to the need for the report, and the benefits to be obtained. Discharger is required to submit this information and reports because it is the operator of the ponds listed in Attachment A of this order.

The unauthorized discharge of waste containing oil field waste constituents to land, including unlined ponds, may result in the degradation of water quality and creates or threatens to create, a condition of pollution in groundwater. Significant concentrations of salinity (measured as TDS and EC), significant contributors to salinity such as chloride and sulfate, and boron are present in oil field wastewater. Other potential constituents such as, but not limited to, metals, radionuclides, and organic compounds pose a threat to water quality. The concentrations of these waste constituents in wastewater being discharged needs to be known to evaluate the threat. In addition, all locations where these discharges are occurring needs to be known.

Underlying groundwater can be degraded if mixed with oil field wastewater. Elevated concentrations of oil field waste constituents could impair the groundwater for municipal and domestic supply and agricultural supply uses.

Under the prescribed authority of California Water Code section 13267, the Central Valley Water Board directs Discharger to:

1. **By 31 July 2015**, submit a technical report containing the following information:

- A. Identification of any discharges of oil field produced waters to land, including but not limited to ponds, since April of 2014 that are not listed in Attachment A;
- B. Collect representative samples of wastewater within each of the ponds. Samples must be analyzed in accordance with the water quality analysis and reporting requirements contained in Attachment B to this Order;¹

If a representative sample cannot feasibly be collected from one or more of the sources discharging to a surface impoundment(s), then a comment will need to be added to the technical report required by this Order demonstrating that collection of a representative sample from a specific source is not feasible within the required timeframe, and propose an alternative sampling procedure and expeditious time schedule for obtaining a representative sample for each source. Alternative sampling procedures and time schedules are subject to approval by the Assistant Executive Officer of the Central Valley Regional Water Quality Control Board.

- C. All available information for each of the surface impoundment(s), including dimensions (i.e., length, width, and depth), latitude and longitude, Assessor's Parcel Numbers of the lease, duration of the discharge (in months), and the volume of wastewater discharged per year.
- D. A location map that includes the following information:
 - i. All surface impoundment(s) at the Facility,
 - ii. Include the boundary lines for all leases at the Facility, and
 - iii. Legend with the name of the surface impoundment(s).

2. **By 3 June 2015**, Discharger needs to contact Ronald E. Holcomb of this office at (559) 445-6050 if you have received this Order and cannot collect the required samples.

¹ All previously obtained analytical data for oil field produced wastewater samples collected at the Facility, if any, with a description of the source and location for each analysis may be submitted in the alternative for re-running tests if the sample(s) was collected and analyzed within 12 months (one year) of the date of this order.

The technical report required by this Order must be submitted to the attention of:

Ronald Holcomb
Central Valley Water Board
1685 E Street
Fresno, CA 93706

Based on the information submitted in the technical report, additional information or action may be required.

With the report required by this Order, Discharger shall provide under penalty of perjury under the laws of California a "Certification" statement to the Central Valley Water Board. The "Certification" shall include the following signed statement:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The Central Valley Water Board reserves the right to issue a Notice of Violation or pursue enforcement for Discharger's activities after reviewing the documentation provided in response to this Order.

The Technical Report is to be signed and stamped by a California Professional Engineer (Registered as a Civil Engineer) or a registered California Professional Geologist. If only data is being submitted, or the submitted report does not include any professional judgments, then the report does not need to be signed and stamped by a registered professional. Any laboratory analyses shall be performed by an analytical laboratory certified by the State of California for the analyses performed. Submissions pursuant to this Order shall include a statement by Discharger, or an authorized representative of Discharger, certifying (as described above) that the information submitted is true, complete, and accurate.

The failure to furnish the required report, or the submission of a substantially incomplete report or false information, is a misdemeanor, and may result in additional enforcement actions being taken against Discharger, including issuance of an Administrative Civil Liability Complaint pursuant to California Water Code section 13268. Liability may be imposed pursuant to California Water Code section 13268 in an amount not to exceed one thousand dollars (\$1,000) for each day in which the violation occurs. All discharges to unpermitted ponds should cease pending review and submission of the technical information sought by this order.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., within 30 days after the date of this directive, except that if the thirtieth day following the date of this directive falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

If you have any questions regarding this matter, please contact Doug Patteson of this office at (559) 445-5577 or at doug.patteson@waterboards.ca.gov.


FOR Clay L. Rodgers
Assistant Executive Officer

cc: Julie Macedo, Office of Enforcement, State Water Resources Control Board, Sacramento
Mike Toland, California Division of Oil, Gas, and Geothermal Resources, Bakersfield

ATTACHMENT A

The following table contains the names of oil fields and lease(s) and the corresponding number of ponds that the Central Valley Water Board has identified as active and under your control:

OPERATOR	OIL FIELD	LEASE	NO. OF PONDS
R&R Resources, LLC	Edison	Lehr	1

ATTACHMENT B

Water Quality Analysis

Wastewater samples collected from the ponds shall be analyzed by a laboratory certified by the Environmental Laboratory Accreditation Program using currently applicable United States Environmental Protection Agency-approved analytical methods for water for the following:

- A. Total dissolved solids;
- B. Metals listed in California Code of Regulations, title 22, section 66261.24. subdivision (a)(2)(A);
- C. Benzene, toluene, ethylbenzene, and xylenes;
- D. Total petroleum hydrocarbons as crude oil;
- E. Polynuclear aromatic hydrocarbons (including acenaphthene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[a]pyrene, benzo[g,h,i]perylene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorine, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene);
- F. Radionuclides listed under California Code of Regulations, title 22, Table 64442;
- G. Major and minor cations (including sodium, potassium, magnesium, and calcium);
- H. Major and minor anions (including nitrate, chloride, sulfate, carbonate, bicarbonate, and bromide);
- I. Trace elements (including lithium, strontium, boron, iron, and manganese).

Reporting Requirements

Water Quality information shall be submitted in a technical report that includes at a minimum:

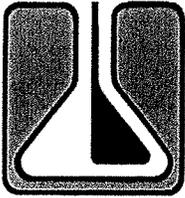
- A. Site plan(s) with the location(s) of where the samples were collected;
- B. A description of how the samples, representative of the pond contents, were collected;

Table(s) of analytical results organized by pond number with the data also submitted electronically as an Excel spreadsheet.

ATTACHMENT D

R&R RESOURCES

LABORATORY ANALYTICAL REPORT



ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

May 5, 2015

Barbara Fox
R & R Resources
760 Paseo Camarillo, Suite 350
Camarillo, CA 93010

TEL: (805) 484-3613
FAX: (805) 484-3613

Project ID:
RE: 1504227

Dear Barbara Fox:

Zalco Laboratories, Inc. received 3 samples on 4/21/2015 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

A handwritten signature in black ink, appearing to read "Juan Magana".

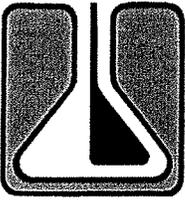
Juan Magana
Project Manager

CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

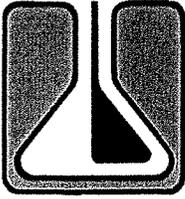
R & R Resources 760 Paseo Camarillo, Suite 350 Camarillo, CA 93010	Project: Master Project #: Attention: Barbara Fox	Work Order No.: 1504227 Reported: 05/05/2015 Received: 04/21/2015 12:40
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Lab Sample ID: 1504227-01 Client Sample ID: Lehr Produced Water	Collected By: Jeremiah Johnson Date Collected: 4/21/2015 10:08:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
General Chemistry		<i>MCL Limits</i>						
Electrical Conductivity	0.67	0.010	mmhos/cm		SM 2510B	4/21/15	4/21/15	SAM
Chloride	31	2.0	mg/L		EPA 300.0	4/21/15	4/21/15	MSS
Metals								
Boron	0.44	0.10	mg/L		EPA 200.7	4/23/15	4/23/15	SS

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Bakersfield, California 93308

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FAX (661) 395-3069

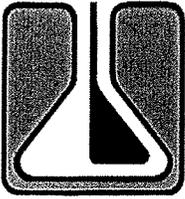
R & R Resources 760 Paseo Camarillo, Suite 350 Camarillo, CA 93010	Project: Master Project #: Attention: Barbara Fox	Work Order No.: 1504227 Reported: 05/05/2015 Received: 04/21/2015 12:40
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Lab Sample ID: 1504227-02 Client Sample ID: B&K Produced Water	Collected By: Jeremiah Johnson Date Collected: 4/21/2015 10:25:00AM
---	--

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
General Chemistry		<i>MCL Limits</i>						
Electrical Conductivity	0.72	0.010	mmhos/cm		SM 2510B	4/21/15	4/21/15	SAM
Chloride	14	2.0	mg/L		EPA 300.0	4/21/15	4/21/15	MSS
Metals								
Boron	0.45	0.10	mg/L		EPA 200.7	4/23/15	4/23/15	SS

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



ZALCO LABORATORIES, INC.

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Bakersfield, California 93308

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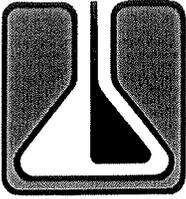
R & R Resources 760 Paseo Camarillo, Suite 350 Camarillo, CA 93010	Project: Master Project #: Attention: Barbara Fox	Work Order No.: 1504227 Reported: 05/05/2015 Received: 04/21/2015 12:40
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Lab Sample ID: 1504227-03 Client Sample ID: Berry Produced Water	Collected By: Jeremiah Johnson Date Collected: 4/21/2015 10:20:00AM
---	--

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
General Chemistry		<i>MCL Limits</i>						
Electrical Conductivity	0.86	0.010	mmhos/cm		SM 2510B	4/21/15	4/21/15	SAM
Chloride	28	2.0	mg/L		EPA 300.0	4/21/15	4/21/15	MSS
Metals								
Boron	0.75	0.10	mg/L		EPA 200.7	4/23/15	4/24/15	SS

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
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ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

June 18, 2015

Joshua Meyer
Enviro Technologies Consultants, Inc.
5400 Rosedale Hwy
Bakersfield, CA 93308

TEL: (661) 377-0073
FAX:

Project ID:
RE: 1505346

Dear Joshua Meyer:

Zalco Laboratories, Inc. received 1 samples on 5/27/2015 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

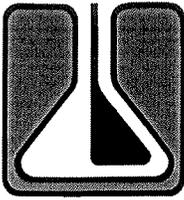
Sincerely,


Juan Magana
Project Manager
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative

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ZALCO LABORATORIES, INC.

Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

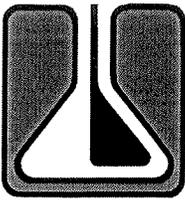
Enviro Technologies Consultants, Inc. 5400 Rosedale Hwy Bakersfield, CA 93308	Project: RWQCB Oilfield Ponds - 2Q2015 Project #: Attention: Joshua Meyer	Work Order No.: 1505346 Reported: 06/18/2015 Received: 05/27/2015 13:45
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Lab Sample ID: 1505346-01	Collected By: Joshua Meyer
Client Sample ID: 12 Water Samples For Sump Site	Date Collected: 5/27/2015 12:50:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Alkalinity								
Total Alkalinity	310	10	mg/L		SM 2320B	5/27/15	6/4/15	SAM
Bicarbonate (HCO3)	310	10	mg/L		SM 2320B	5/27/15	6/4/15	SAM
Carbonate (CO3)	<10	10	mg/L		SM 2320B	5/27/15	6/4/15	SAM
Hydroxide (OH)	<10	10	mg/L		SM 2320B	5/27/15	6/4/15	SAM
CAM, Toxicity (17 Metals)								
<i>TTL Limits</i>								
Antimony	<0.20	0.20	500	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Arsenic	<0.020	0.020	500	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Barium	0.17	0.10	10000	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Beryllium	<0.010	0.010	75	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Cadmium	<0.010	0.010	100	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Chromium	<0.050	0.050	2500	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Cobalt	<0.10	0.10	8000	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Copper	0.052	0.050	2500	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Lead	<0.050	0.050	1000	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Mercury	<0.0020	0.0020	20	mg/L	SW846 7470A	5/28/15	5/28/15	SS
Molybdenum	<0.10	0.10	3500	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Nickel	<0.050	0.050	2000	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Selenium	<0.05	0.05	100	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Silver	<0.020	0.020	500	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Thallium	<0.50	0.50	700	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Vanadium	<0.10	0.10	2400	mg/L	SW846 6010B	5/28/15	5/29/15	SS
Zinc	<0.050	0.050	5000	mg/L	SW846 6010B	5/28/15	5/29/15	SS
General Chemistry								
<i>MCL Limits</i>								
Fluoride	<0.10	0.10	2	mg/L	EPA 300.0	5/29/15	5/29/15	MSS
Nitrate as NO3	<2.00	2.00	45	mg/L	EPA 300.0	5/29/15	5/29/15	MSS
Bromide	0.11	0.10		mg/L	EPA 300.0	5/28/15	5/28/15	MSS
pH	8.02			pH Units	QR-02 EPA 150.1	5/29/15	6/4/15	SAM
Sulfate as SO4	<0.50	0.50		mg/L	EPA 300.0	5/29/15	5/29/15	MSS
Total Dissolved Solids	580	10		mg/L	SM 2540C	5/29/15	6/1/15	MSS
Hardness								
Hardness (as CaCO3)	44	2.0		mg/L	SM 2340B	5/29/15	5/29/15	SS

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Table with 3 columns: Client/Project info, Project details, and Work Order/Reporting info.

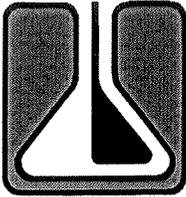
Table with 2 columns: Lab/Client Sample IDs and Collection/Analysis dates.

Main analytical results table with columns: Analyte, Results, PQL, Units, Flag, Method, Date Prepared, Date Analyzed, Init.

Table with 4 columns: Surrogates, % Recovery, Recovery Limits, Flag.

Semivolatile Organic Compounds table listing various compounds like Indeno(1,2,3-cd)pyrene, Naphthalene, etc.

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Enviro Technologies Consultants, Inc.
5400 Rosedale Hwy
Bakersfield, CA 93308

Project: RWQCB Oilfield Ponds - 2Q2015
Project #:
Attention: Joshua Meyer

Work Order No.: 1505346
Reported: 06/18/2015
Received: 05/27/2015 13:45

Lab Sample ID: 1505346-01

Collected By: Joshua Meyer

Client Sample ID: 12 Water Samples For Sump Site

Date Collected: 5/27/2015 12:50:00PM

Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Semivolatile Organic Compounds								
Benzo (k) fluoranthene	<250	250	ug/L		SW846 8270C	5/28/15	5/29/15	JMM
Benzo (a) pyrene	<250	250	ug/L		SW846 8270C	5/28/15	5/29/15	JMM
Dibenz (a,h) anthracene	<250	250	ug/L		SW846 8270C	5/28/15	5/29/15	JMM
Benzo (g,h,i) perylene	<250	250	ug/L		SW846 8270C	5/28/15	5/29/15	JMM
Surrogates		% Recovery	Recovery Limits	Flag				

Nitrobenzene-d5		71.5	0-95				5/29/15 11:02	
2-Fluorobiphenyl		94.0*	0-92	S-GC			5/29/15 11:02	
Terphenyl-d14		120*	0-100	S-GC			5/29/15 11:02	

Subcontracted Analyses

Gross Alpha	<15.0	15.0	pCi/L		SM 7110C	6/5/15	6/8/15	JMM
Radium-226	<3.00	3.00	pCi/L		E903.1	5/28/15	6/1/15	JMM
Radium-228	<2.00	2.00	pCi/L		EPA Ra-05	6/8/15	6/13/15	JMM
Uranium (ug/L)	<20.0	20.0	pCi/L		E908	6/11/15	6/11/15	JMM

Volatile Organic Compounds

m,p-Xylene	<5.00	5.00	ug/L		SW846 8260B	6/2/15	6/8/15	HLP
Benzene	<5.00	5.00	ug/L		SW846 8260B	6/2/15	6/8/15	HLP
Xylenes, total	0.00		ug/L		SW846 8260B	6/2/15	6/8/15	HLP
Methyl tert-Butyl Ether	<5.00	5.00	ug/L		SW846 8260B	6/2/15	6/8/15	HLP
Ethylbenzene	<5.00	5.00	ug/L		SW846 8260B	6/2/15	6/8/15	HLP
Toluene	<5.00	5.00	ug/L		SW846 8260B	6/2/15	6/8/15	HLP
o-Xylene	<5.00	5.00	ug/L		SW846 8260B	6/2/15	6/8/15	HLP
Surrogates		% Recovery	Recovery Limits	Flag				

1,2-Dichloroethane-d4		117	89-165				6/8/15 9:31	
Toluene-d8		83.1	65-124				6/8/15 9:31	
4-Bromofluorobenzene		119*	94-114	S-GC			6/8/15 9:31	

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CHAIN OF CUSTODY, ID # 1505346

Page _____ of _____

Zalco Lab # _____

Client PO # _____

PROJECT ID: _____

QUOTE ID: _____

COMMENTS:
Turnaround Time: _____ working days
Routine 10 working days
Rush By _____ working days
Send Copy to State of CA? Yes No
Attention To: _____
Send Copy to County? Yes No
County _____

REPORT INFO

Client: EnviroTech Consultants
Address: 5400 Pasadena Hwy
City, State, Zip: Bakersfield CA 93308
Attention: Josh Meyer
Phone: _____
Results 661-703-7860
Fax: _____
Email: j.meyer@envirotech.com

INVOICE INFO

Invoice To: Same as Client
Address: _____
City, State, Zip: _____
Attention: _____
Phone: _____
Fax: _____
Email: _____

EMPLOYED BY:

Sample No. *
12
Sample Description
12 Water Samples for Sump Suite
Date
5/27/10
Sample Time
12:50
Type*
Water

ANALYSIS

TEMPERATURE (C)	30
*Chloride	
*Exclude: Boen, PC	
*See Attachment B	

OF CONTAINERS

12

RELINQUISHED BY: Signature	PRINT	COMPANY	Date	Time	RECEIVED BY: Signature	PRINT
<u>Joshua Meyer</u>	Joshua Meyer	EnviroTech.com	5/27/10	12:50	<u>[Signature]</u>	K Spingman

NOTE: Samples are discarded 30 days after results unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client's expense.

*Sample Type Key: AQ-Aqueous; BS-Biosolid; DW-Drinking Water; GW-Ground Water; G-Gas; LPG-Liquid Petroleum Gas; OL-Oil; O-Other; P-Petroleum; S-Soil/Solid; ST-Storm Water; WW-Wastewater

*Sample No.: FOR OFFICE USE ONLY