

JUN 16 2015

FWOCB-CVR  
FRESNO, CALIF.

June 15, 2015

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

RE: Art McAdams' Signal (AKA 'Section 35') lease, Kern Front field

Mr. Holcomb,

On behalf of Mr. Art McAdams, I am submitting the following information requested on an Order, dated April 1, 2015, pertaining to various production sumps or ponds on the above-mentioned lease. As the order required, representative samples were collected by me from the common source for all 5 of the identified ponds (the main wash tank), and were taken to Zalco Laboratory on June 6, 2015 for analysis of all constituents identified on the 'Attachment B' on the April 1, 2015 Water Board letter (see attached Chain of Custody copy). Unfortunately, due to the recent large demand on analyses by customers of Zalco, none of the results have been made available yet, although Zalco assures me that at least the preliminary results will be out soon (the 'Radionuclides' analysis will probably follow 2-3 weeks later). The following information and attachment that are available however, and requested in your April 1, 2015 letter are listed below:

1. The source of the water discharged to the 5 ponds identified on the subject lease, is oilfield (Kern Front field) produced water and was collected at the main washtank, which is the common source for all 5 ponds (see attached facilities map). A sample was taken in 2014 from this washtank by Mr. Art McAdams, and a simple geochemical analysis was performed (see attached). Note that the produced wastewater is quite fresh (340 mg/l TDS) with a low boron content (0.13 mg/l) and complies with the Tulare Lake Basin plan.
2. See attachments for aerial photos of the subject ponds and other related facilities and their specific locations (NAD 83s), as well as a facility flow diagram. The duration of the discharge into these ponds took place for the past 12 months (from the April/2014 to April/2015 review period), averaged approximately 3150 barrels/month, and disposed of approximately 37,800 barrels for that review year.

As the preparer of this letter, I, Richard Thesken, do solemnly swear that:

'I, Richard Thesken, 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'.

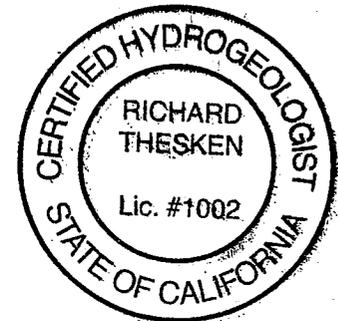
Admittedly, this response to your April 1, 2015 letter does not fully meet all of your requested data, but as soon as the Analytical results are available to me, Mr. Adams and I will be sending it and any additional data that you might request to your office immediately.

Thank you and I look forward to working with you on this and other matters as they come up.

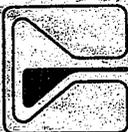
Sincerely,



Richard S. Thesken, PG, CHG  
11017 Iron Creek Ave.  
Bakersfield, CA. 93312  
(661) 589-2351  
[thesken@yahoo.com](mailto:thesken@yahoo.com)



Arthur McAdams, Operator  
Kern Front-Section 35 Partners  
P.O. Box 82046  
Bakersfield, CA 93380-2046



**ZALCO LABORATORIES, INC.** CHAIN OF CUSTODY, ID # 1500000  
 4309 Armour Avenue, Bakersfield, CA 93308 (661) 395-0539 FAX (661) 395-3069 www.zalcolabs.com

Page \_\_\_\_\_ of \_\_\_\_\_

Zalco Lab # \_\_\_\_\_

Client PO # \_\_\_\_\_

PROJECT ID: \_\_\_\_\_

QUOTE ID: \_\_\_\_\_

**COMMENTS:**

Turnaround Time: 10 working days

Route: 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: W.A. McEachern

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

City, State, Zip: \_\_\_\_\_

Attention: W.A. McEachern

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Results:

Results:

**INVOICE INFO**

Invoice To: Same as Client

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

City, State, Zip: \_\_\_\_\_

Attention: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Results:

Results:

**SAMPLED BY:**

**EMPLOYED BY:**

Sample No. \_\_\_\_\_

Sample Description: Section 25

Date \_\_\_\_\_

Sample Time \_\_\_\_\_

Type: 011115 (C)

#

CONTAINERS

1

Attachment B

ANALYSIS

TEMPERATURE (c)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

RELINQUISHED BY: Signature

PRINT

COMPANY

Date \_\_\_\_\_

RECEIVED BY: Signature

PRINT

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; OI-Oil; O-Other; P-Petroleum; S-Soil/Solid; ST-Storm Water; WW-Wastewater  
 \*Sample No.: FOR OFFICE USE ONLY

**FACILITY INFORMATION**

Crude oil production facility. Tank farm with oil and water separation tanks.

Active

FACILITY DESCRIPTION (e.g., total area in acres, number of waste management units, etc.)

STATUS (active, inactive, closed)

Oil field production wastewater.

Oil/Gas Extraction

WASTE TYPES

FACILITY CLASSIFICATION

Wastewater disposed of via sumps.

DISPOSAL DESCRIPTION (e.g., composting, landfill, surface impoundment, etc.)

**BACKGROUND**

The Facility was last inspected on 26 May 2011. No violations of the WDRs were observed during the inspection.

**INSPECTION GIS DATA**

GIS Equipment used:

Description of Measured Point	Latitude	Longitude	Datum	Comments
Centroid of Sump #1	35°27'18.90"N	119° 1'58.13"W	NAD 83	Active – Recorded by DOGGR
Centroid of Sump #2	35°27'17.34"N	119° 1'58.80"W	NAD 83	Active – Recorded by DOGGR
Centroid of Sump #3	35°27'17.39"N	119° 1'59.92"W	NAD 83	Active – Recorded by DOGGR
Centroid of Sump #4	35°27'18.40"N	119° 2'2.39"W	NAD 83	Active – Recorded by DOGGR
Centroid of Sump #5	35°27'16.95"N	119° 1'54.91"W	NAD 83	Active – Not recorded by DOGGR

**INSPECTION OBSERVATIONS AND FINDINGS**

Describe observations and findings and identify those that document and reference each violation listed in the Inspection Violations Summary table by identifying the cited violation number within parentheses following the observation/finding (e.g., Exposed waste on top deck (V1)).

The Signal Lease (Facility) in the Kern Front Oil Field was inspected to ascertain the status of four sumps identified by the DOGGR as active. During the inspection, Staff identified one additional sump on the lease east of the facility. Disposal operations at the Facility are regulated by WDRs. Photographs were taken to document conditions observed (see page 4).

The Facility contains a tank farm and five unlined sumps (Photographs 2, 3, 4, 5, and 6). Oil stained soil was observed within all sumps. Sumps #1 and #5 did not have oil on the fluid surface and netting was not observed. Sumps #2, #3, and #4 had oil on the surface of the sump fluid. The netting and freeboard for Sumps #2, #3, and #4 appeared adequate.

**SAMPLING INFORMATION AND OBSERVATIONS**

Were samples collected during the inspection?  Yes  No

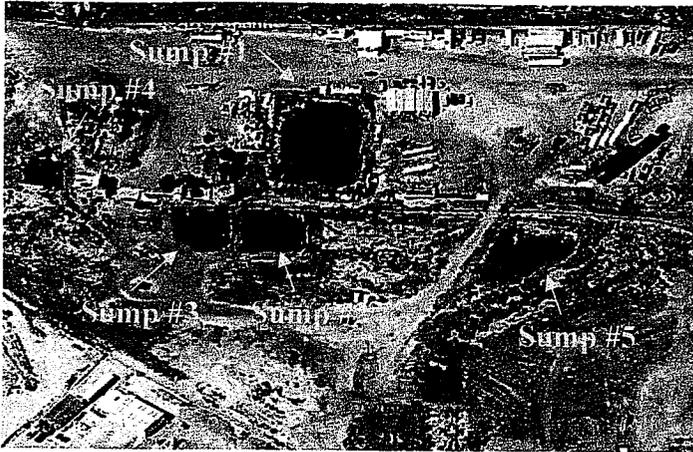
Are sample results included in report?  Yes  No

Did discharger collect split samples?  Yes  No

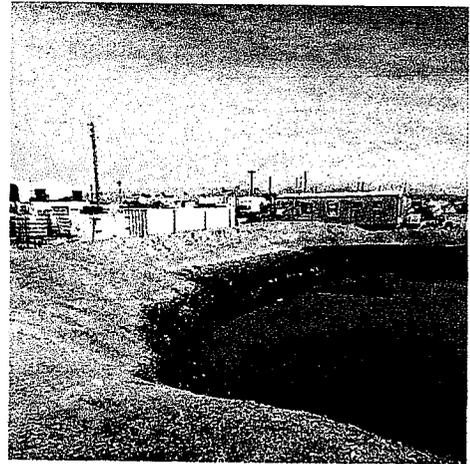
**SAMPLE COLLECTION INFORMATION AND OBSERVATIONS**

SAMPLE ID	SAMPLE DESCRIPTION/OBSERVATIONS	SAMPLE TIME (hours)	PHOTO NO.
JGM140412-1	Oil production wastewater from tank	1:20 PM	

PHOTOGRAPHS



Photograph 1. – Aerial of the facility.



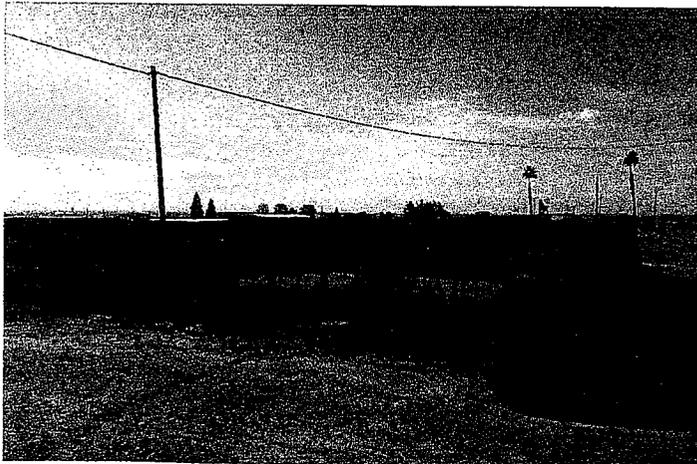
Photograph 2. – View of Sump #1 looking northeast.



Photograph 3. – View of Sump #2 looking southeast.



Photograph 4. – View of Sump #3 looking northeast.

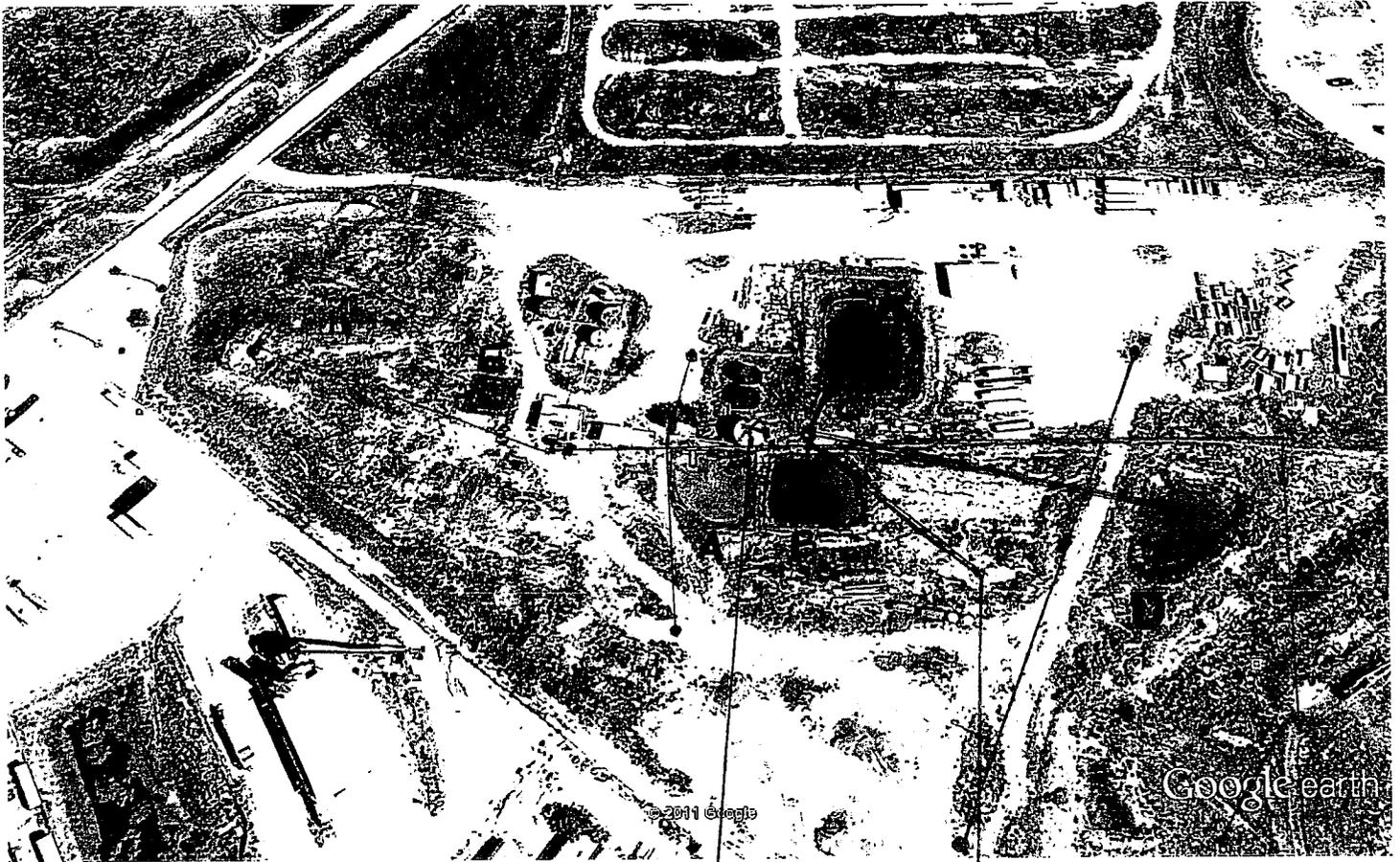


Photograph 5. – View of Sump #4 looking west.



Photograph 6. – View of Sump #5 looking southeast.





Go gle earth

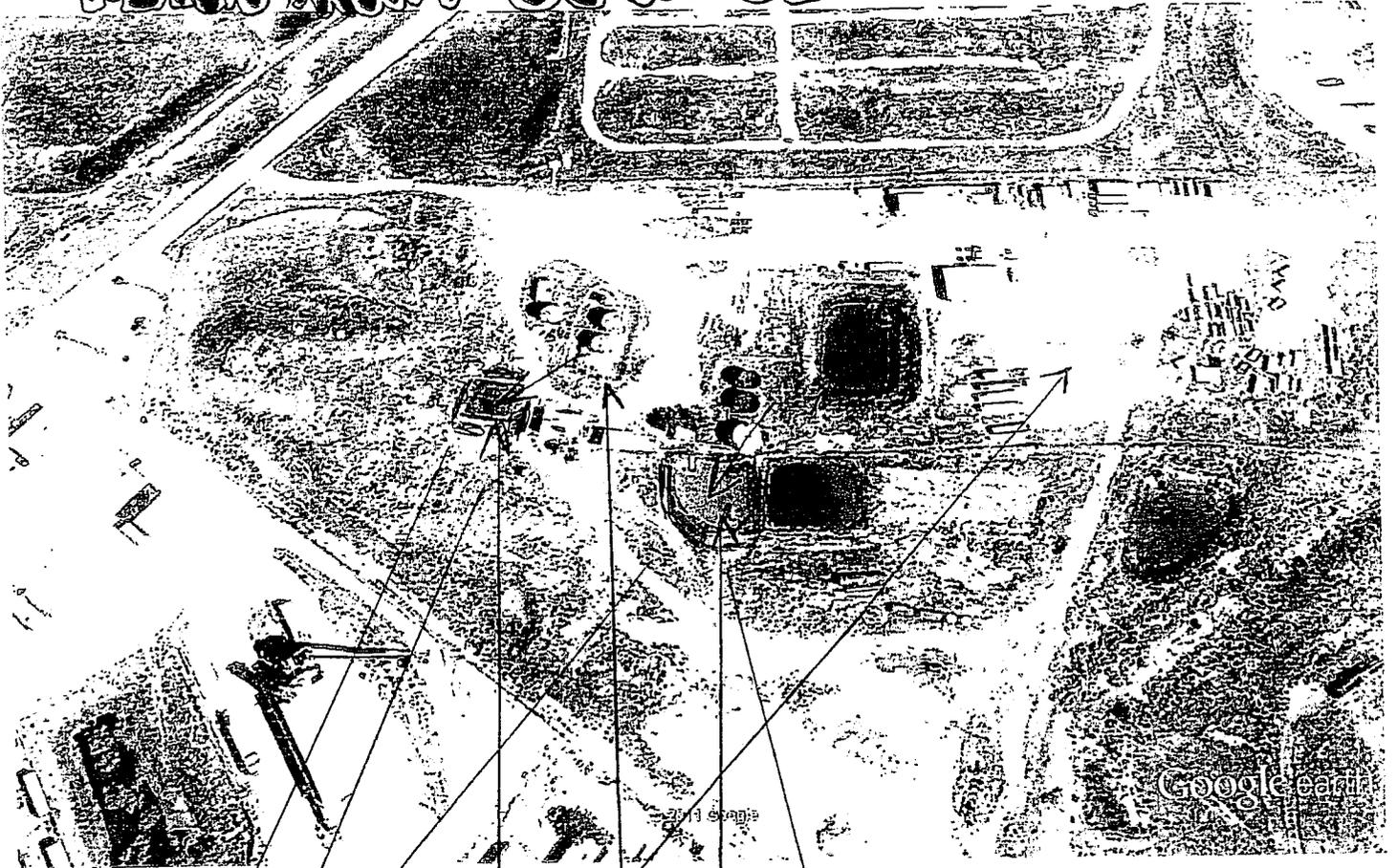
feet 500  
meters 100



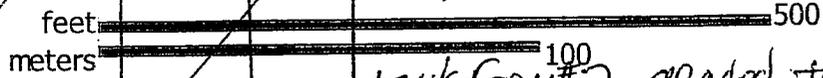
Well Flow Line

All production to wash tank

Produced water  
to sump "A"  
SumP "A" water legs to sump "B"  
sumP "B" is pumped to  
sumPs "C" and "D".  
All fluids originate  
from wash tank.  
"E" sump is scheduled for  
closure this summer.



Go gle earth



tank farm #2 graded to flow  
 TO SUMP  
 tank farm Heavily Bermed

Direction  
OF FLOW

tank farm #1 Heavily Bermed  
 graded to flow to SUMP

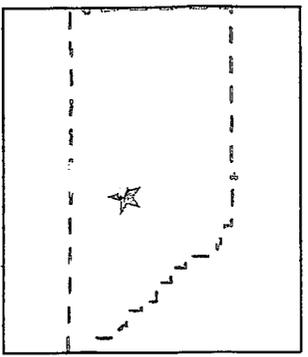
Catch Basin  
SUMP

SUMP  
FOR  
tank farm  
#1

Catch Basin  
(SUMP)

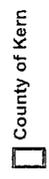
CVC ENVIRONMENTAL CO.  
 YARD ON SITE.  
 VACUUM TRUCKS  
 TRACTORS  
 COMPLETE SPILL RESPONSE

# Kern County Online Mapping



## Legend

- Roads
- Arterial
- Collector
- Highway
- Local
- Ramp
- Unpaved



County of Kern  
Assessment Parcels

High Res Aerial Photo 2008



Scale: 1:4,742

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.