

GALLUP

CERTIFIED MAIL: 7008 2810 0000 4726 1680

January 25, 2010

New Mexico Environmental Department (NMED)  
Hazardous Waste Bureau (HWB)  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505  
Attention: Ms Hope Monzeglio

New Mexico Energy Minerals and Natural Resources Department  
New Mexico Oil Conservation Division (NMOCD)  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505  
Attn: Mr. Carl J. Chavez



**Reference: CLEANUP STATUS for Western Refining (Gallup Refinery) for  
API OVERFLOW on SEPTEMBER 5, 2009 and  
API OVERFLOW on DECEMBER 8, 2009  
EPA ID NO. NMD000333211  
HWB-GRCC-MISC**

Dear Ms Monzeglio and Mr. Chavez;

Please accept the following letter in response to a letter from Ms Hope Monzeglio of the New Mexico Environmental Department (NMED) (Hazardous Waste Bureau (HWB) (January 7, 2010) that references an API overflow that occurred on December 8, 2009. Additionally, this letter will be in response to the API overflow that also occurred on September 5, 2009. This letter will address these two events as a combination due to the close proximity of these two events and due to the required remedial activities. A separate C-141 (Final Report) for each event will be pending at the completion of the remediation project. The following information shall address the nature of the API overflow events of September 5, 2009 and December 8, 2009, remedial actions that have been performed to date, and additional remediation activity that will be required based on analytical data recently received.

**I. THE INCIDENT- "API OVER FLOW on SEPTEMBER 5, 2009" (Report due 2/1/2010)**

Preliminary analytical samples were originally collected on September 16, 2009. The laboratory results were received on October 8, 2009. Gallup received a letter from the New Mexico Environmental Department-Hazardous Waste Bureau on October 27, 2009 requiring additional cleanup and sampling activities to be performed.

The following items are to address the issues as originally prescribed in the October 27 letter from the New Mexico Environmental Department-Hazardous Waste Bureau.

**a. “The Permittee must remove additional contaminated soil in the vicinity of the API Separator and the Baker Tank within the hatched area identified in the “Sampling Plan” figure.”**

Cleanup efforts began around the first week of November and continued through the third week of November 2009. Contaminated soil in the vicinity of the API Separator and the Baker Tank areas as indicated on the revised Sampling Plan from the Hazardous Waste Bureau was excavated. This excavated material was put in a roll-off box for disposal off-site as Hazardous Waste. The amount of material excavated was approximately 18 to 25 cu yd. This material was later manifested and shipped off-site as Hazardous Waste via Rinchem (US. Ecology, Beatty, NV).

**b. “The Permittee must collect confirmation soil samples from the approximate locations of the former sample locations with the exception the roll-off box location. The Permittee must also collect samples from the additional sample locations identified in the attached figure. All samples must be collected from the limit of the excavation not to exceed six inches in depth.”**

The confirmation sampling was originally scheduled to be collected during the first week of December 2009. On December 8, Gallup had an area wide power outage from the Utility Company that supplies electrical power to the plant. Due to this power outage at our facility, the plant was without power in order to prevent the API from overflowing. As a result of the December 8 event and clean up efforts merging with the clean up efforts of the September 5 event, confirmation sampling was not conducted until January 6, 2010. Discussion on the API overflow from the event on December 8, 2009 will be provided below.

**c. “All confirmation samples must be analyzed for DRO extended. In addition, samples collected from locations API-E-2 and BKT-E-7, BKT-S-8 and BKT-W-9 must also be analyzed for gasoline range organics.”**

Due to issues addressed above, confirmation samples were not collected until January 6, 2009. All fourteen (14) sample points as previously identified and directed by the Agency were to be collected and analyzed for the following: Volatile Organic Compounds (VOC) (Method 8260), Semi-volatile Compounds (Method 8270), Total Petroleum Hydrocarbon (THP) (including DRO/MRO/GRO) (Method 8015) and RCRA 8 Metals. The sampling methodology and the analytical results from the confirmation sampling event will be discussed below.

**d. “The confirmation samples must not exceed organic concentrations of 200 mg/kg, if such concentrations exceed 200 mg/kg then additional soil removal will be required until detected concentrations are less than 200 mg/kg.”**

As previously identified above (b) due to overlapping API overflow events, confirmation samples were not collected until January 6, 2010. The results were received on January 15, 2010. As determined from the analytical, it was determined that additional soil remediation will be necessary. An explanation of the sampling and analytical results will be discussed in detail below.

**e. “The Permittee must submit a report (letter format is acceptable) that describes the additional soil clean up activities, explain how additional contaminated soil was removed, describe how confirmation samples are collected and documents the disposal of the contaminated soils. The Permittee must also include all analytical data in table format, copies**

**of the final laboratory reports, and include a figure that identifies the locations of all confirmation samples.**

As previously noted above, remediation was concluded near the end of November 2009, but, confirmation sampling was not conducted until January 6, 2010. The additional remedial activities including contaminated soil removal, confirmation sampling, and disposal methods of the contaminated soil will be discussed below for the December 8, 2009 API Overflow. Additionally, analytical data of the confirmation sampling will be discussed below.

## **II. THE INCIDENT- “API OVER FLOW on DECEMBER 8, 2009” (Report due 1/25/2010)**

Gallup received a follow-up e-mail from the New Mexico Environmental Department-HWB on December 21, 2009 requesting additional information about the API overflow that occurred on December 8, 2009. A response e-mail to that request was submitted to HWB on December 23, 2009. Gallup received additional correspondence (via e-mail) on January 7, 2010 requesting a formal report addressing additional concerns. The following addresses issues as identified by the HWB based on the Agency’s concerns.

### **a. Soil Remediation Activities-**

Clean up efforts for the API overflow on September 5 was completed by the end of November 2009. Contaminated soil in the vicinity of the API Separator and the Baker Tank areas as indicated on the revised Sampling Plan from the Hazardous Waste Bureau was excavated. This excavated material was put in a roll-off box for disposal off-site as Hazardous Waste. The amount of material excavated was approximately 18 to 25 cu yd. This material was later manifested and shipped off-site as Hazardous Waste via Rinchem (US. Ecology, Beatty, NV). Confirmation sampling had not been conducted at this time.

The API overflows from December 8 cleanup efforts around the API and Baker Tank area coincide with clean up operations from September 5, 2009 event. Contamination was localized within the API and Baker Tank containment areas providing a similar contamination foot print for confirmation sampling. Confirmation samples were collected on January 6, 2010 for both events. Based on the analytical results, it is determined that additional remediation and confirmation sampling will be required.

### **b. Hazardous Waste Management / Transportation Procedures-**

The contaminated soil and gravel from both API overflows, September 5 and December 8, will be treated and managed as a Listed Hazardous Waste in accordance with applicable generator requirements as found in 40CFR262 and 40CFR265 (Subpart I). All contaminated soil and gravel will be containerized in a roll-off box, manifested as Hazardous Waste with a designated Hazardous Waste Code (F037/F038/K051), and transported off-site for disposal via Rinchem to US Ecology, Beatty, NV, an approved TSD Facility. A profile has already been established for this waste stream through Rinchem.

### **c. Revised Sampling Plan-**

Due to the containment areas surrounding the API and Baker Tanks, the spill foot print for both incidents are the same. Fourteen sample points were previously identified through an approved sampling plan by the New Mexico Environmental Department-Hazardous Waste Bureau (HWB) as

addressed in correspondence via e-mail of October 27, 2009 (for September 5 API overflow) and January 7, 2010 (for the December 8 API overflow). Therefore, sampling will be in accordance with the HWB direction.

**d. Confirmation Sampling-**

After the contaminated soil and gravel from the API overflows events of September 5 and December 8, 2009 were excavated and placed in roll-off boxes, confirmation sampling was conducted. On January 6, 2010, confirmation sampling was conducted as required by the Agency. The analysis was directed by the HWB based on the approved sampling plan.

The sampler excavated potentially contaminated soil at the locations as designated on the sampling plan to a maximum depth of 6 inches. The sampler followed proper decontamination procedures between all fourteen sample points in order to minimize any cross contamination. The samples were collected in an 8 oz jar for shipment to Hall Environmental Laboratory. The laboratory analyzed each sample received for the following: Volatile Organic Compounds (VOC) (Method 8260), Semi-volatile Compounds (Method 8270), Total Petroleum Hydrocarbon (TPH) (including DRO/MRO/GRO) (Method 8015) and RCRA 8 Metals.

**e. Laboratory Results-**

Gallup received analytical results from Hall Environmental Laboratories on January 15, 2010 for the contaminated soil as a result of the two API overflows that occurred on September 5 and December 8, 2009. The analysis indicated nine sample areas with TPH (DRO and GRO) values exceeding the 200 mg/kg (>200 mg/kg) in accordance with NMED "TPH Screening Guidelines". The contaminated areas identified are as follows: API-N-1, API-E-2, API-E-3, API-S-4, API-W-5, BKT-S-8, BKT-W-9, CHN-C-11, NBT-N-13. Additionally, BKT-W-9 indicated an elevated level of Xylene (180 mg/kg) which is above the NMED screening levels of 82 mg/kg as indicated in NMED "Technical Background Document for development of Soil Screening Levels". These contaminated areas are indicated on the attached "Hall Environmental Laboratory Data Summary" spreadsheet.

Based on the analysis as indicated above and the attached spreadsheet with inclusive data, it is concluded that additional remedial activities and confirmation sampling will be required for the API area.

**f. Over flow volume determination-**

The initial C-141 indicated 739 bbls of API oily/water overflow during a 10 to 12 hour intermittent discharge as a result of the API overflow of December 8, 2009. During this time frame, the facility was experiencing an area wide power outage as a result of storms at Tristate Power Company distribution center (substation) located in Albuquerque. During this time period, many pumps and auxiliary equipment were not operational in order to handle normal flow conditions. A material balance was primarily used to determine the quantity of API oily/water that was discharged. The amount of oily/water mixture recovered was determined from information supplied by vacuum truck operators after this event. The oily/water was retrieved via a vacuum truck and routed to the process sewer system for reprocessing through the API. A quantification of oil recovery could not be determined.

**III. SUMMARY:**

As indicated from the confirmation samples that were collected on January 6, 2010, additional remediation of the API area contamination will be required. Gallup received analysis from Hall Environmental Laboratories on January 15, 2010. The analysis indicated nine sample areas with TPH (DRO and GRO) values exceeding the 200 mg/kg (>200 mg/kg) level as specified in accordance with NMED "TPH Screening Guidelines". These contaminated areas are indicated on the attached "Hall Environmental Laboratory Data Summary" spreadsheet.

Gallup is proceeding to excavate contaminated soil based on the analysis received from Hall Environmental Laboratories. The Hall Analytical Summary and Confirmation Sample drawing defines the locations that will be required to be excavated. Confirmation samples will then be collected.

The soil will be treated as Hazardous Waste (F037/F038/K051), placed in roll-off boxes under the 90 day status requirements, and be properly disposed in accordance with all Federal and State Regulations.

Both of these API overflows were the direct result of inclement weather conditions that were beyond the control of the Refinery. Gallup is in the design phase of a new "Stormwater Diversion Project" in order to eliminate overflows from the new API due to unexpected or inundated stormwater discharges. This project will be composed of two (2) Stormwater Diversion Tanks (T-27 and T-28) and an additional diversionary tank. This new system will connect directly into the current stormwater system. A new twenty-four inch (24") pipe will connect the old system to the Stormwater Diversion Tanks (T-27 and T-28). The stormwater will be pumped from the diversion tanks (T-27 and T-28) to the new API.

#### **IV. DOCUMENT ENCLOSURE/ATTACHMENTS:**

The following enclosures or attachments have been included in order to provide the Agency with a visual reference in order to aid in a better understanding of the event surrounding the API overflows that occurred on September 5 and December 8, 2009. These enclosures include the following: drawing of the API area indicating the extent of overflow contamination, Release Notification Forms (C-141) (Initial) Reports Filed with OCD/NMED, NMED correspondence, approved API Sampling Plan, Hall Environmental Laboratory Data Summary Spreadsheet, Hall Environmental Laboratory Analysis.

If you require additional information concerning this matter, please contact me at (505) 722-0258.

Sincerely,



Beck Larsen-CHMM, REM  
Environmental Engineer  
Western Refining (Southwest) (Gallup Refinery)

Enc: **NMED correspondence letters of January 7, 2010 and October 27, 2009**  
Drawing of the API area  
Drawing of the API area-confirmation samples  
Drawing of API Sampling Plan, API Overflow of 12/8/2009  
Drawing of API Sampling Plan, API Overflow of 09/5/2009  
Drawing of NMED Corrected Sampling Plan (Refer to October 27, 2009 NMED Letter)  
OCD (Release Notification and Corrective Action, C-141 (Initial) Report Submittals  
for September 5 and December 8, 2009 API Overflow events  
Hall Environmental Laboratory Data Summary Spreadsheet  
Hall Environmental Laboratory Analytical Report

Cc: Mr. Mark Turri, Gallup (Southwest), Refinery Manager  
Mr. Ed Riege, Gallup (Southwest), Environmental Manager)  
File

**Larsen, Thurman**

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**From:** Monzeglio, Hope, NMENV [hope.monzeglio@state.nm.us]  
**Sent:** Thursday, January 07, 2010 7:27 AM  
**To:** Larsen, Thurman; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD  
**Cc:** Cobrain, Dave, NMENV; Riege, Ed; Van Horn, Kristen, NMENV; Riege, Ed; Turri, Mark; Kieling, John, NMENV  
**Subject:** RE: Initial Report (C-141) for API Spill of December 8, 2009

Beck

All contaminated soil and gravel must be removed, managed as hazardous waste, and shipped off-site for disposal. The contaminated soil and gravel must comply with the generator requirements found in 40 CFR 262 (e.g., compliance with 90-day storage requirements and all recordkeeping, waste profiling, transport, and disposal requirements). Confirmation samples must be collected from the locations identified in the "Proposed Sampling Plan." The soil samples must be analyzed for volatile organic compounds (VOCs) by EPA Method 8260, semi volatile organic compounds (SVOCs) by EPA Method 8270, diesel range organics extended (DRO) and gasoline range organics (GRO) by EPA Method 8015M, and RCRA metals.

Please revise and resend the Proposed Sampling Plan (email is acceptable) to identify the locations of all containment structures, berms, roads, natural levee etc., in reference to the area in which the release occurred. Also explain how Gallup determined the volume of the spill. This information must be submitted by January 25, 2010.

Gallup must make note that the API separator has leaked in the past and contaminated groundwater in this area; therefore, NMED does not agree that the environmental impact from the API overflows (which are becoming routine) is minimized by the permeability of the containment and the surrounding soils in the API and Baker tank areas. Gallup must eliminate releases from the API separator. NMED is evaluating additional requirements to address these frequent API overflows.

Let me know if you have any questions.

Hope

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**From:** Larsen, Thurman [mailto:Thurman.Larsen@wnr.com]  
**Sent:** Wednesday, December 23, 2009 2:04 PM  
**To:** Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD  
**Cc:** Cobrain, Dave, NMENV; Riege, Ed; Van Horn, Kristen, NMENV; Riege, Ed; Turri, Mark  
**Subject:** RE: Initial Report (C-141) for API Spill of December 8, 2009

Dear Hope,

The following e-mail is a follow-up response to the e-mail that we received on December 21, 2009, in reference to the API overflow that occurred on December 8. The overflow as mentioned previously on the initial C-141 was due to inclement weather and storm conditions that passed through the area that resulted in a power loss to the Refinery. The power loss was due to "mother nature" that caused the power company to experience a loss of incoming power supplied to the Refinery, and therefore, was beyond our control. I have included a "pdf" drawing indicating the extent of the API overflow contamination area, and a picture reflecting this area as well.

The extent of the API overflow contamination was similar to the one that was experienced on September 5, 2009 except that the overflow on December 8, 2009 did not reach the lagoons due to the road berm that was constructed previously. When the power was lost, the Refinery did not have any operational controls that could retard or restrict the effluent flow to the API. The liquid began coming out of the overflow spouts as noted previously on the C-141. The API is bordered by a road between the Aeration Basins/Lagoons and the API on the west side of the API that acted as a containment preventing overflows from reaching the basins or lagoons. The road also extends past the Baker frac tank which is used to catch API overflows during brief periods. This road in conjunction with the natural levee on the east side creates a containment area so as to localize any API overflow that may occur. The road base, the containment, and the surrounding soil in the areas of the API are primarily clay. Any environmental impact due to API overflow (primarily water) is minimized due to the permeability of this containment and the surrounding soils in the API and Baker tank areas.

Attached is the proposed sampling plan for the API Overflow area. Please provide the required analysis that the agency is requiring for this event.

1/20/2010

Sincerely,  
Beck Larsen

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**From:** Monzeglio, Hope, NMENV [mailto:hope.monzeglio@state.nm.us]  
**Sent:** Monday, December 21, 2009 9:22 AM  
**To:** Larsen, Thurman; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD  
**Cc:** Cobrain, Dave, NMENV; Riege, Ed; Van Horn, Kristen, NMENV  
**Subject:** RE: Initial Report (C-141) for API Spill of December 8, 2009

Beck

Please provide NMED with a drawing showing the extent of this release, include any photographic documentation if there is any. Include a detailed description of the areas the release covered and clarify if the release entered into the Aeration Lagoons, Evaporation Ponds 1 and 2? If the release entered the Aeration Lagoons or the Evaporation Ponds, describe all cleanup activities. Submittal of this information by email is acceptable.

Thanks  
Hope

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**From:** Larsen, Thurman [mailto:Thurman.Larsen@wnr.com]  
**Sent:** Friday, December 18, 2009 6:11 PM  
**To:** Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD  
**Subject:** Initial Report (C-141) for API Spill of December 8, 2009

Dear Hope, Carl, and Brandon,

The following attachment is for the API Spill that occurred on December 8, 2009 due to a winter storm that caused a power outage at Western Refining (Gallup Refinery). Initial cleanup has been completed. Please contact me if you require additional information.

Sincerely,  
Beck Larsen

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BILL RICHARDSON  
Governor

DIANE DENISH  
Lieutenant Governor

NEW MEXICO  
ENVIRONMENT DEPARTMENT

*Hazardous Waste Bureau*

2905 Rodeo Park Drive East, Building 1

Santa Fe, New Mexico 87505-6303

Phone (505) 476-6000 Fax (505) 476-6030

[www.nmenv.state.nm.us](http://www.nmenv.state.nm.us)



RON CURRY  
Secretary

JON GOLDSTEIN  
Deputy Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

October 27, 2009

Mr. Ed Riege  
Environmental Superintendent  
Western Refining, Southwest Inc.,  
Gallup Refinery  
Route 3 Box 7  
Gallup, New Mexico 87301

Mr. Beck Larsen  
Environmental Engineer  
Western Refining, Southwest Inc.,  
Gallup Refinery  
Route 3 Box 7  
Gallup, New Mexico 87301

**SUBJECT: SEPTEMBER 5, 2009 API SEPARATOR OVERFLOW REPORT  
WESTERN REFINING, SOUTHWEST INC., GALLUP REFINERY  
EPA ID NO. NMD000333211  
HWB-GRCC-MISC**

Dear Messrs Riege and Larsen:

The New Mexico Environment Department (NMED) received the Western Refining Southwest Inc., Gallup Refinery (the Permittee) Report summarizing the overflow and interim measures remedial actions at the API separator on September 5, 2009. The Permittee collected ten soil samples and presented the analytical results in a table titled "Hall Environmental Laboratory Data Summary." The analytical results identified diesel range organics (DRO) extended (which include motor oil range organics (MRO)) ranging from 229 mg/kg to 11,000 mg/kg, all exceeding the NMED's Total Petroleum Screening (TPH) Guidelines of 200 mg/kg for "unknown oil." NMED compared the cumulative values of the DRO and MRO detections when comparing the values to the NMED TPH standard for unknown oil of 200 mg/kg (e.g., sample BKT-E-7 had a DRO detection of 150 mg/kg and a MRO detection of 79 mg/kg with a cumulative value of 229 mg/kg). Because the release came from the API separator, the exact source(s) of the hydrocarbons are unknown.

Mr. Ed Riege  
Gallup Refinery  
October 27, 2009  
Page 2 of 2

The Permittee must complete additional cleanup activities as follows:

- a. The Permittee must remove additional contaminated soils in the vicinity of the API Separator and the Baker Tank within the hatched area identified in the "Sampling Plan" figure (attached).
- b. The Permittee must collect confirmation samples from the approximate locations of all of the former sampling locations with the exception the roll-off box location. The Permittee must also collect samples from the additional sample locations identified in the attached figure. All samples must be collected from the limits of the excavation not to exceed six inches in depth.
- c. All confirmation samples must be analyzed for DRO extended. In addition, samples collected from locations API-E-2 and BKT-E-7, BKT-S-8, and BKT-W-9 must also be analyzed for gasoline range organics.
- d. The confirmation samples must not exceed organics concentrations of 200 mg/kg, if such concentrations exceed 200 mg/kg then additional soil removal will be required until detected concentrations are less than 200 mg/kg.
- e. The Permittee must submit a report (letter format is acceptable) that describes the additional soil clean up activities, explains how additional contaminated soil was removed, describes how confirmation samples are collected and documents the disposal of the contaminated soils. The Permittee must also include all analytical data in table format, copies of the final laboratory reports, and include a figure that identifies the locations of all confirmation samples.

Mr. Ed Riege  
Gallup Refinery  
October 27, 2009  
Page 3 of 3

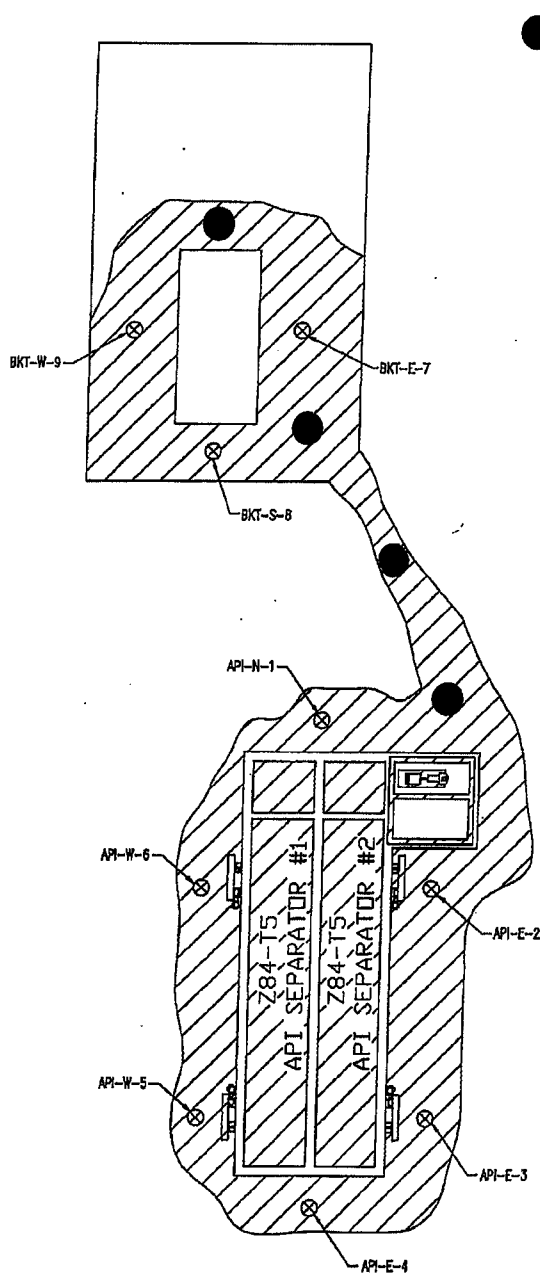
The Permittee must submit the report to NMED on or before February 1, 2010. If you have questions please contact Hope Monzeglio of my staff at 505-476-6045.

Sincerely,

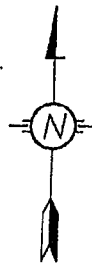


John E. Kieling  
Program Manager  
Permits Management Program  
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB  
H. Monzeglio, NMED HWB  
C. Chavez, NMEMNRD OCD  
File: Reading GRCC 2009  
GRCC-MISC



● Approximate additional confirmation sample locations



SAMPLING PLAN

(API OVERFLOW) ON 09/05/09

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company Western Refining-Southwest	Contact Beck Larsen	
Address I-40/Exit 39, Jamestown, NM 87347	Telephone No.(505) 722-0258	
Facility Name Gallup Refinery	Facility Type Refinery	
Surface Owner	Mineral Owner	Lease No.

**LOCATION OF RELEASE**

Unit Letter	Section 28	Township 15N	Range 15W	Feet from the	North/South Line	Feet from the	East/West Line	County McKinley
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Latitude 35° 29' 030" Longitude 108° 24' 040"

**NATURE OF RELEASE**

Type of Release API Overflow	Volume of Release 739 bbls (API oily water)	Volume Recovered >720 bbls (API oily Water)
Source of Release API UNIT	Date and Hour of Occurrence 12/08/2009; 0300 hrs	Date and Hour of Discovery 12/05/2009; 0300 hrs
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD & NMED (Carl Chavez, Steve Conley, Hope Monzeglio)	
By Whom? Beck Larsen	Date and Hour 12/08/2009 / ~ 1030 hrs	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

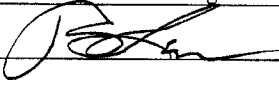
**Describe Cause of Problem and Remedial Action Taken.\***

At or about midnight on Tuesday, December 8, a winter storm passed through the area precipitating heavy snow and high winds. Due to this event at 0300 hrs (December 8), a plant wide electrical power failure occurred to all units throughout the facility. After a thorough power distribution evaluation, the cause of this incident was found to be resultant of several power glitches or amperage line deviations from Tristate Power Company in Albuquerque. As a result of high winds in the Albuquerque area, several power deviations occurred between 0241 to 0249 hours causing two power lines to slap together creating a Phase A / Phase C power line short at the Tristate distribution center or substation. These power glitches were transmitted to Western Refinery (Gallup Refinery) as an incoming line fluctuation or line distortion in amperage. This transmitted to a decrease in amperage of 15 to 20 percent. This distortion caused two of compressors to go off line initiating a plant wide electrical power failure to all units. After all information was collected from various sources, it was estimated that due to this power failure, the API incurred intermittently overflowed for about 10 to 12 hours. An onsite vacuum truck was immediately dispatched during this event in order to minimize and spread of contamination and to begin cleanup operations. No injuries were incurred during this event as a result of this power failure.

**Describe Area Affected and Cleanup Action Taken.\***

The affected area was localized around the API and baker frac tank containment areas. Initial cleanup efforts began immediately on Tuesday, December 8, 2009 during this event utilizing an onsite vacuum truck. Maintenance and Contract personnel began cleaning up the any aqueous/oily portion of overflow contamination and any contaminated soil and rock debris surrounding the API area. Personnel conduct cleanup of areas such as depressions or other conveyances adjacent to the API area in order that contamination would not spread. Initial cleanup efforts were completed on Monday, December 14, 2009. All contaminated material were put into a roll-off box to be tested (analyzed by an outside lab), prior to shipment off site for disposal to an approved facility. Final cleanup of this area will be determined based on laboratory analysis.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:   
Printed Name: Beck Larsen

**OIL CONSERVATION DIVISION**  
Approved by District Supervisor:

Title: Environmental Engineer	Approval Date:	Expiration Date:
E-mail Address: Thurman.larsen@wnr.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/18/2009                      Phone: (505) 722-0258		

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company Western Refining-Southwest	Contact Beck Larsen
Address I-40/Exit 39, Jamestown, NM 87347	Telephone No.(505) 722-0258
Facility Name Gallup Refinery	Facility Type Refinery

Surface Owner	Mineral Owner	Lease No.
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**LOCATION OF RELEASE**

Unit Letter	Section 28	Township 15N	Range 15W	Feet from the	North/South Line	Feet from the	East/West Line	County McKinley
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Latitude 35° 29'030" Longitude 108° 24'040"

**NATURE OF RELEASE**

Type of Release API Overflow	Volume of Release 6.5 bbls (oil)	Volume Recovered 5.5 bbls (oil) (estimated)
Source of Release API UNIT	Date and Hour of Occurrence 9/05/2009; 1215 hrs / 1830 hrs	Date and Hour of Discovery 9/05/2009; 1215 hrs / 1830 hrs
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD & NMED	
By Whom? Beck Larsen	Date and Hour 9/06/2009 / 1750 hrs	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*


On Saturday, September 5 at approximately 1143 hrs, Off-site personnel began bypassing filters and weir box in preparation for a possible rain event. At about 1200 to 1230 hrs, Saturday, September, 5, 2009, a heavy rain and thunderstorms passed over the facility. It began raining heavily for about 20 to 30 minutes. At 1220 hrs the new API began to overflow into the Baker Frac Tank. The API Operators began pumping from the new API to T-105/T-107 in order to remove as much water as possible from the API. The rain slacked off from a heavy to a moderate to light. At 1245 hrs the new API (East and West) Bays began to overflow due to the excessive rain. The API continued to overflow for about an hour. At 1800 hrs a second rain event began due to a secondary thunderstorm cell passing over the facility. Once again, the new API began to overflow a second time for an hour due to excess stormwater. The total overflow for both events was approximately 2 hours. A total rainfall for both events was approximately 1.6 inches.

Describe Area Affected and Cleanup Action Taken.\*

Cleanup efforts began immediately on September 5, 2009 during the rain event using a vacuum truck. Maintenance and Contract personnel began cleaning up the any aqueous/oily portion of overflow contamination and any contaminated soil and rock debris surrounding the API area. Personnel conduct cleanup of areas such as depressions or other conveyances adjacent to the API area that any contamination may or did spread. After immediate cleanup efforts were completed, all contaminated material were put into a roll-off box to be tested (analyzed by an outside lab), prior to shipment off site for disposal to an approved facility. Contract personnel delivered and spread new gravel and rock material around the API area. Final cleanup of this area was completed on or about September 10, 2009.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

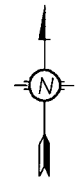
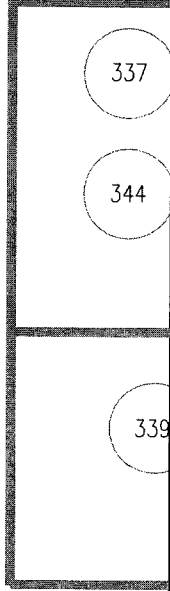
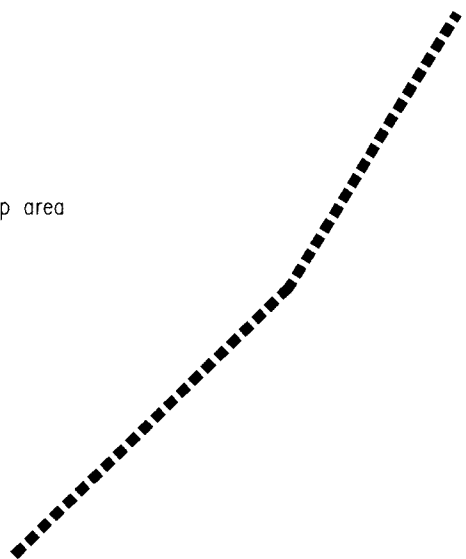
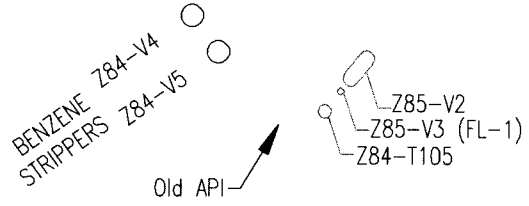
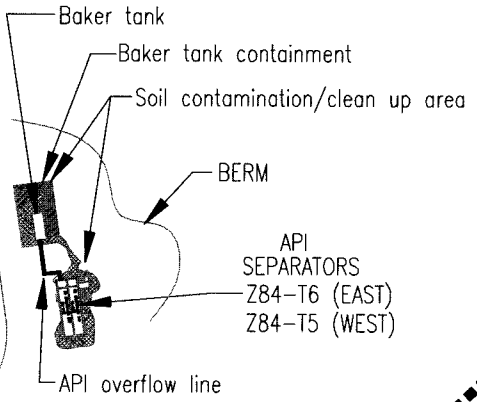
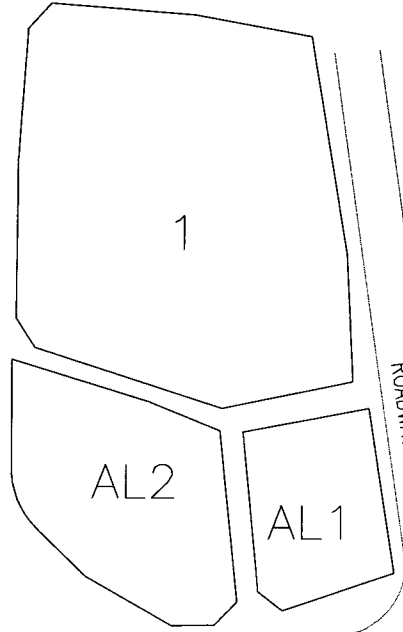


Signature: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Beck Larsen		Approved by District Supervisor:	
Title: Environmental Engineer		Approval Date:	Expiration Date:
E-mail Address: Thurman.larsen@wnr.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/21/2009	Phone: (505) 722-0258		

\* Attach Additional Sheets If Necessary

# AERATION LAGOONS

REFERENCE DRAWINGS



**Western Refining**  
Gallup Refinery

API & AERATION LAGOON AREA

SCALE	1/2" = 1'-0"	APRVD	
DATE	11-11-98	APRVD	
DRN	CLM	REV.	2
CHKD	DWG. NLT	Z-11-126	