GW - 1

INSPECTIONS & DATA

OCD ENVIRONMENTAL BUREAU

SITE INSPECTION SHEET

DATE: 2/23/05 Time: 10:00 AM

Type of Facility: Refinery ☑ Gas Plant ☐ Compressor St. ☐ Brine St. ☐ Oilfield Service Co. ☐
Surface Waste Mgt. Facility ☐ E&P Site ☐ Crude Oil Pump Station ☐
Other ☐ ____________

Discharge Plan No ☐ Yes ☑ GW#______

FACILITY NAME: Bloomfield Refinery - Giant

PHYSICAL LOCATION: ____________

Legal: QTR___QTR____ Sec____ TS_____ R____ County____________

OWNER/OPERATOR (NAME) Randy Schmaltz / Cindy Hurtado

Contact Person: ____________ Tele:#____________

MAILING ADDRESS: ____________ State_____ ZIP________

Owner/Operator Rep's:

____

OCD INSPECTORS: W Price, Daniel Sanchez, Hope Monzeglio

1. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.

____

2. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.

____

3. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.

4. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

5. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

6. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.

7. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

8. Onsite/Offsite Waste Disposal and Storage Practices: Are all wastes properly characterized and disposed of correctly?

Does the facility have an EPA hazardous waste number? _____ Yes _____ No

ARE ALL WASTE CHARACTERIZED AND DISPOSED OF PROPERLY? YES NO IF NO DETAIL BELOW.

9. Class V Wells: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

ANY CLASS V WELLS NO ☐ YES ☐ IF YES DESCRIBE BELOW ! Undetermined ☐

10. Housekeeping: All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

11. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the proper OCD District Office.

12. Does the facility have any other potential environmental concerns/issues?

13. Does the facility have any other environmental permits - i.e. SPCC, Stormwater Plan, etc.?

14. ANY WATER WELLS ON SITE? NO ☐ YES ☐ IF YES, HOW IS IT BEING USED ?

15. Documents reviewed:

Miscellaneous Comments:

Photos taken: _____

Documents Reviewed/Collected: _____

OCD ENVIRONMENTAL BUREAU

SITE INSPECTION SHEET

DATE: ___May 26, 2004 **Time:** 8am_____

Type of Facility: Refinery ☒ Gas Plant ☐ Compressor St. ☐ Brine St. ☐ Oilfield Service Co. ☐
Surface Waste Mgt. Facility ☐ E&P Site ☐ Crude Oil Pump Station ☐
Other ☐_____

Discharge Plan No ☐ Yes ☒ GW#__001_____

FACILITY NAME: _____Bloomfield Refinery_____
PHYSICAL LOCATION: ___50 road 4990 Bloomfield NM 87413_____
Legal: QTR____QTR_____ Sec____ TS_____ R____ County_____San Juan_____

OWNER/OPERATOR (NAME) ____Giant Refining Co._____
Contact Person: _____Randy Smoltz_____Tele:#_____505-632-4171 rschmaltz@giant.com
MAILING ADDRESS: _____State_____ZIP_____
Owner/Operator Rep's: _____

_____

OCD INSPECTORS:____W Price E. Martin_____

1. **Drum Storage:** All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. **All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.**

_____

__OK_____

_____

2. **Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.**

_____

_____

____OK_____

_

_____

_____

_____

3. **Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain**

a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.

OK

4. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

OK

5. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

OK

6. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.

OK

7. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

OK-work in progress to replace old lines

8. Onsite/Offsite Waste Disposal and Storage Practices: Are all wastes properly characterized and disposed of correctly? Does the facility have an EPA hazardous waste number? ___XX__ Yes _____ No
ARE ALL WASTE CHARACTERIZED AND DISPOSED OF PROPERLY? YES x NO ☐ IF NO DETAIL BELOW.

___OK

9. Class V Wells: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

ANY CLASS V WELLS NO ☒ YES ☐ IF YES DESCRIBE BELOW ! Undetermined ☐

10. Housekeeping: All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

____Good

11. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the proper OCD District Office.

____No Issues during this inspection

12. **Does the facility have any other potential environmental concerns/issues?**

___

___ON Going Groundwater abatement and investigation ___

___

13. **Does the facility have any other environmental permits - i.e. SPCC, Stormwater Plan, etc.?**

_____YES-Federal___

___

14. **ANY WATER WELLS ON SITE? NO ☐ YES ☐ IF YES, HOW IS IT BEING USED ?**

___

15. **Documents reviewed:**

___

___

___

___

Miscellaneous Comments:

___

___

_____Giant shall submit discharge permit application and $100 filing fee as soon as possible- existing permit expires June 07, 2004___

___

___

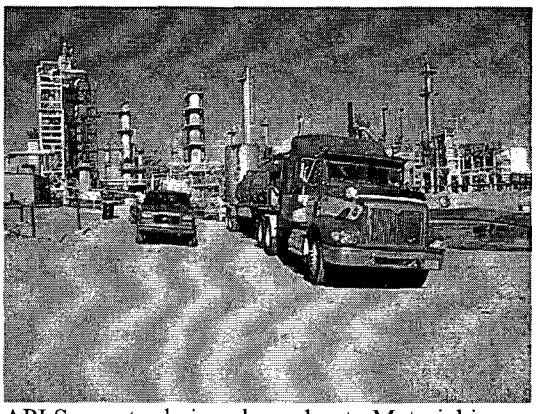
Photos taken: _____Yes see attached

Documents Reviewed/Collected:___

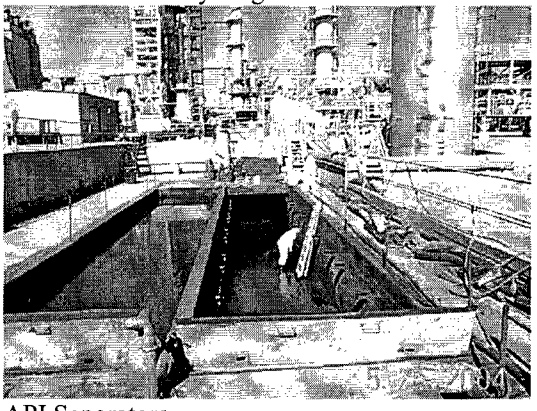
___

___

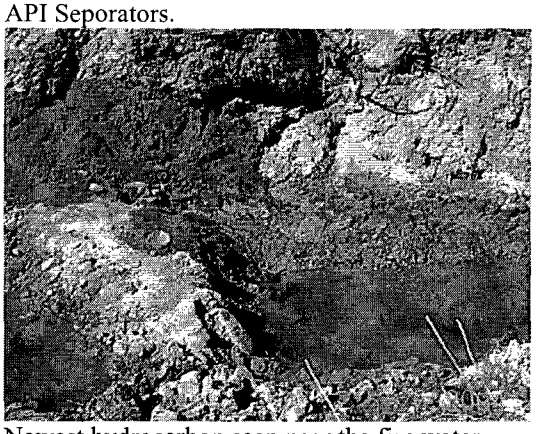
___



API Seporator being cleaned out. Material is sent to La. For recycling.

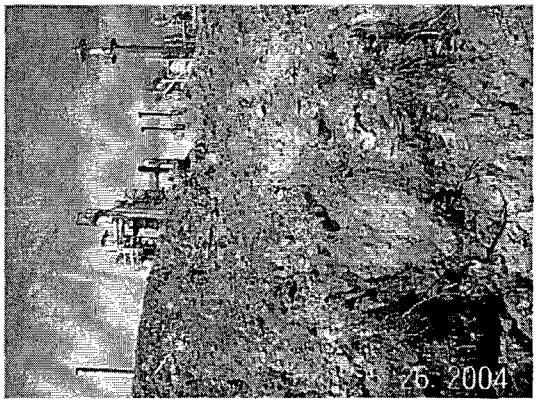


API Seporators.



Newest hydrocarbon seep near the fire water tank.

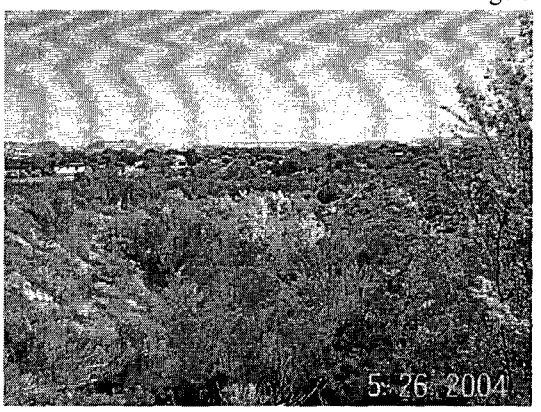
same



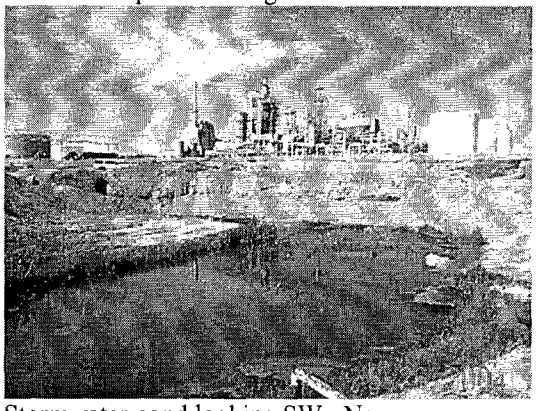
same

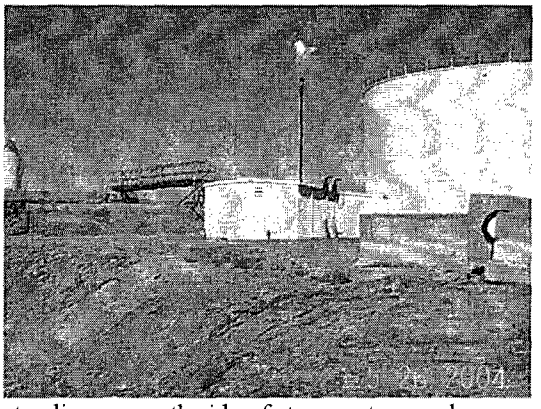
same

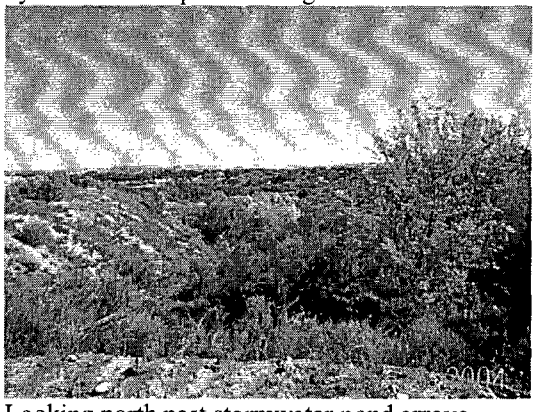
Stormwater pond looking north.

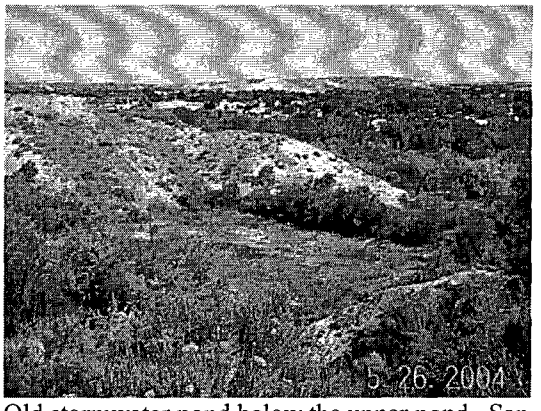


same


Stormwater pond looking SW. New hydrocarbon seep is in background.

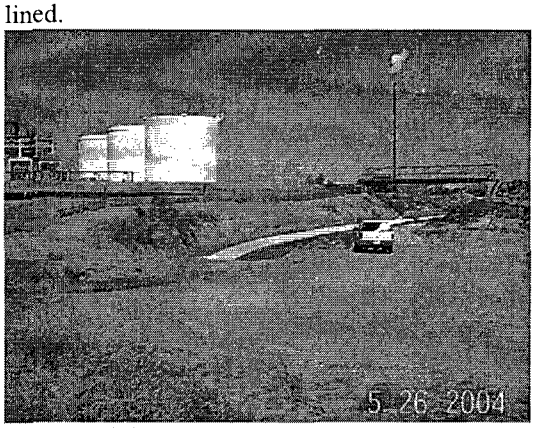

standing on north side of stormwater pond. Picture shows the firewater tank.


Looking north past stormwater pond arroyo.

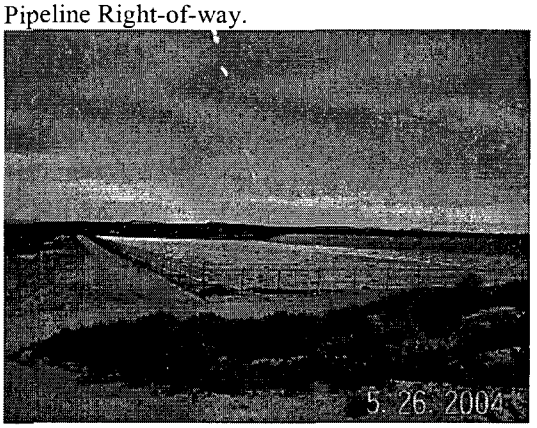


Old stormwater pond below the upper pond. San Juan River is just over the dike. This pond is dry.

Hammond ditch- pipeline area. Ditch is not lined.

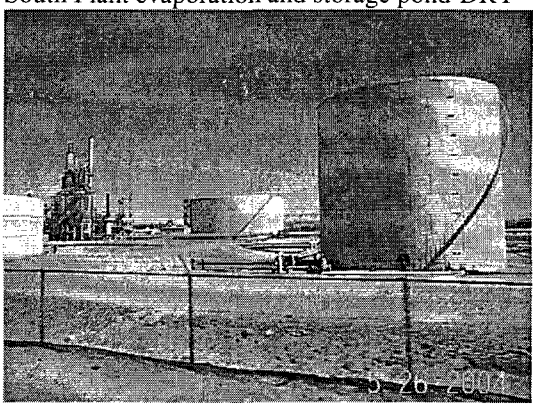


Hammond ditch. Access to river area and Pipeline Right-of-way.

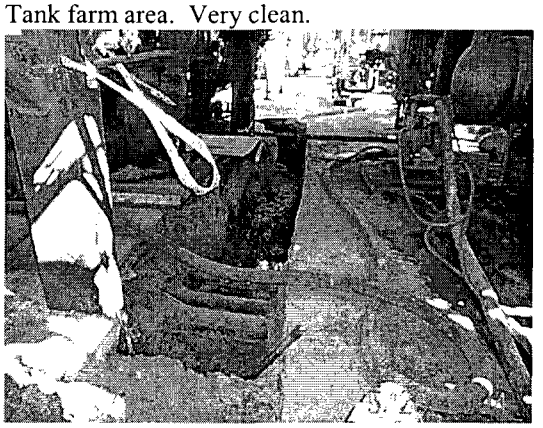


North plant evaporation and storage pond. DRY This pond will not be use because of a possible past leaks.

South Plant evaporation and storage pond-DRY

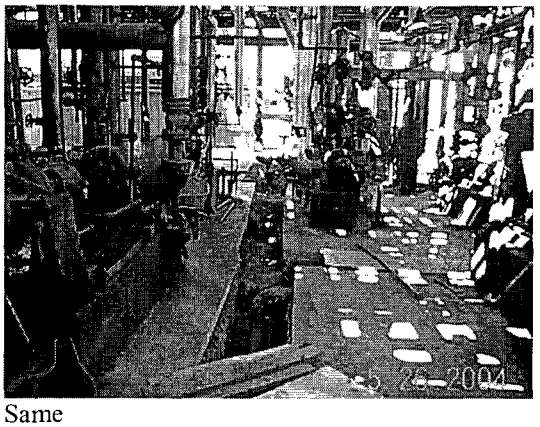


Tank farm area. Very clean.

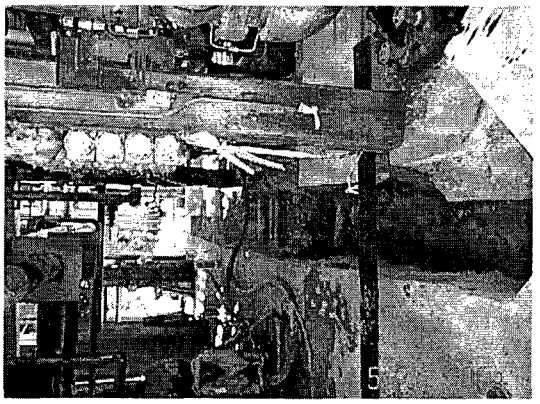


New Construction on replacing underground wastewater lines.

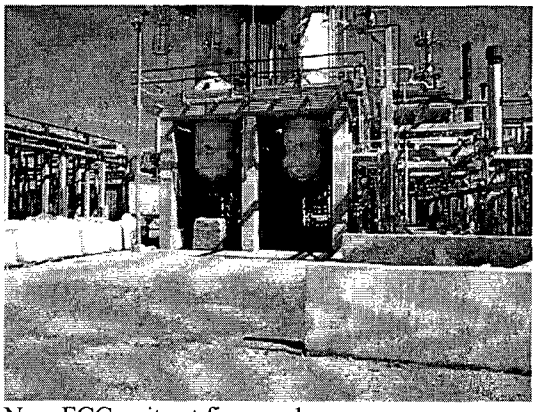
Same



Same



Same



New FCC unit cat fines pad.

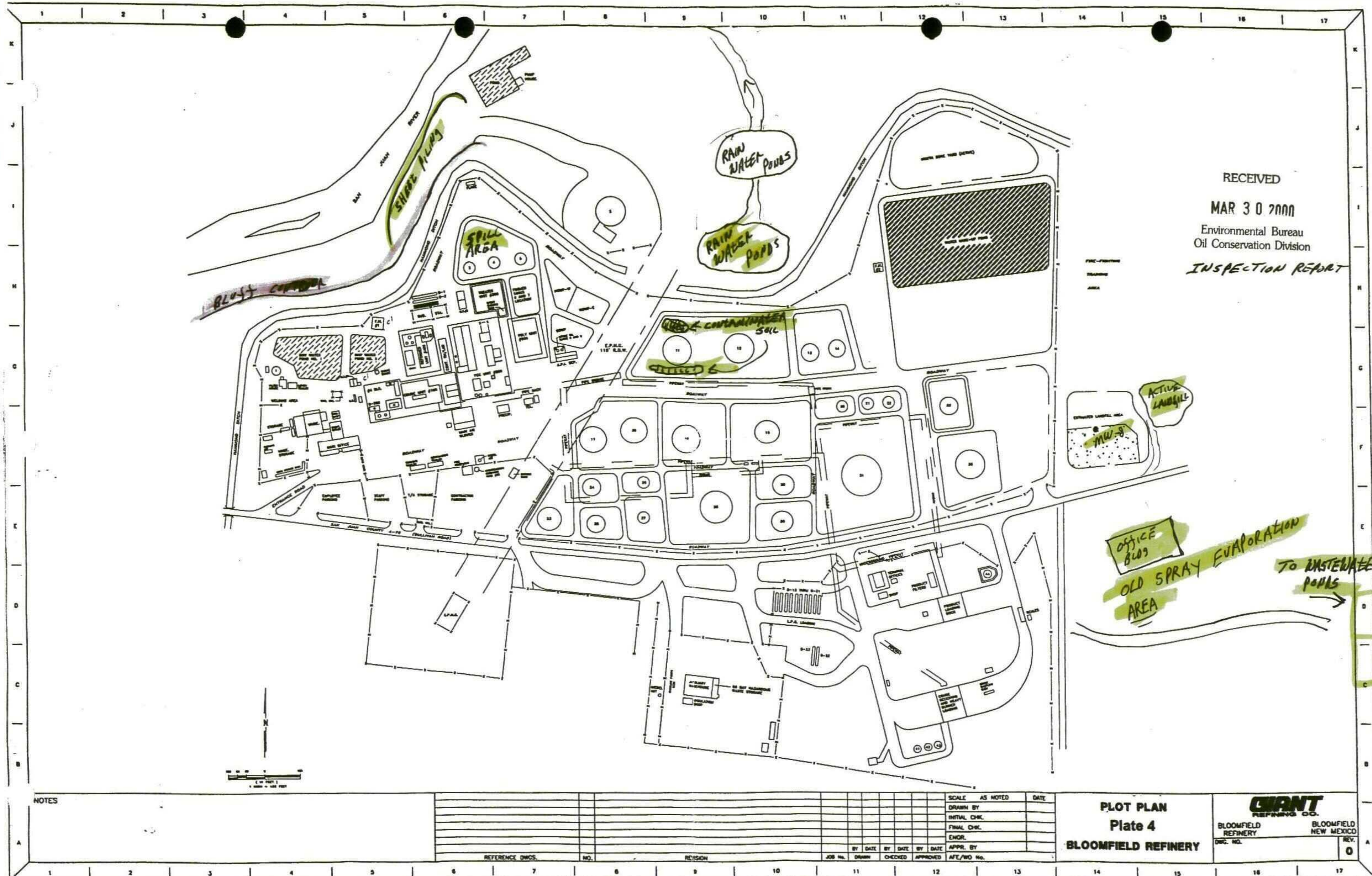
#1 East outfall hydrocarbon collection point.

Price, Wayne

From: Price, Wayne
Sent: Monday, April 10, 2000 9:42 AM
To: 'barryh@gaint.com'
Subject: Revised Inspection report

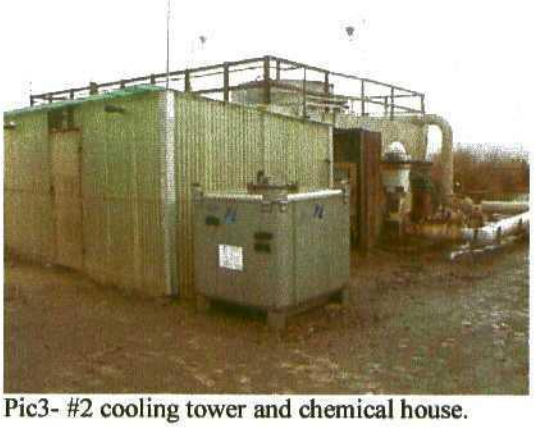
Dear Barry:

Pursuant to our telephone conversation this morning, please note OCD is revising its comment on the recent inspection Dated March 30, 2000 report under Pic21 to read "Stained areas on rock bluff are visible from past oil seeps".


RECEIVED
MAR 3 0 2000
Environmental Bureau
Oil Conservation Division
INSPECTION REPORT
RAIN WATER PONDS
RAIN WATER PONDS
SHORE PILING
BLUFF CORRIDOR
SPILL AREA
CONTAMINATED SOIL
ACTIVE LANDFILL
MW-8
OFFICE BLDG
OLD SPRAY EVAPORATION AREA
TO WASTEWATER PONDS
SAN JUAN RIVER
HAMMOND DITCH
ROADWAY
NOTES
REFERENCE DWGS.
NO.
REVISION
BY
DATE
JOB No.
DRAWN
CHECKED
APPROVED
SCALE AS NOTED
DATE
DRAWN BY
INITIAL CHK.
FINAL CHK.
ENGR.
APPR. BY
AFE/WO No.
PLOT PLAN
Plate 4
BLOOMFIELD REFINERY
GIANT REFINING CO.
BLOOMFIELD REFINERY
BLOOMFIELD NEW MEXICO
DWG. NO.
REV.
0

Pic1- Chemical drum storage area.

Pic2- Chemical tote tanks- Old plugged monitor well located in second containment needs to be grouted.



Pic3- #2 cooling tower and chemical house.

Pic4- Salt Vault used for liquid brine storage to regenerate water softeners. Background shows fresh water duck and geese ponds.

Pic5- Boiler house #4

Pic6- Boiler house #4 drain system. Concrete is eroded to soil.

Pic7- Drum of perchloroethylene and two caustic drums near reformer area.

Pic8- #1 cooling tower, chemical house and acid tank.

Pic9- Cat cracker area looking south. Picture shows pad and curb typical of all plant process areas.

Pic10- West of Wet gas compressor building. Bioremediation area of oil spray from oil pumps.

Pic11- Stripping tower area looking west. Bioremediation area from recent small oil spill.

Pic12- Reformate spill area north of reformate storage tanks.

Pic13-API ABT ponds- looking SE

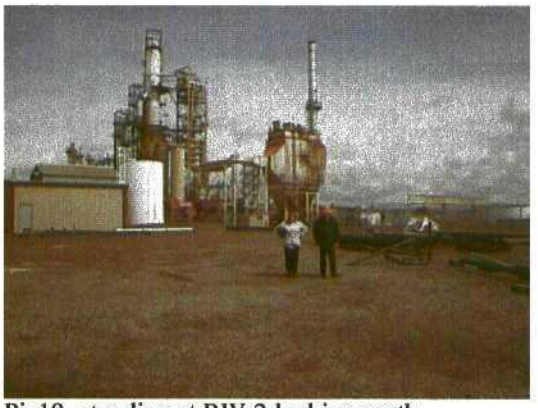
Pic 14- API separator-looking NE

Pic 15- Poly-feed unit catalyst waste storage area.

Pic16-Fuel tank area south side of plant.

Pic17- RW19 groundwater contamination recovery well.

Pic18- Monitor wells and recovery well RW-2 south side of plant area-looking south.



Pic19- standing at RW-2 looking north.

Pic20-Fuel oil loading rack , concrete driveway, troughs and sumps.

Pic21- North of refinery looking south at bluff next to San Juan river. Oil seeping out of bluff is visible SEE CORRECTION CWP

Pic24-Naciemento bluffs located between refinery and river.

Pic22- Sheet piling and slurry wall installed next to the San Juan River to prevent hydrocarbons from seeping into river. Sheet piling is 11 feet deep, original design was to be 22 feet deep. Looking NE. upstream.

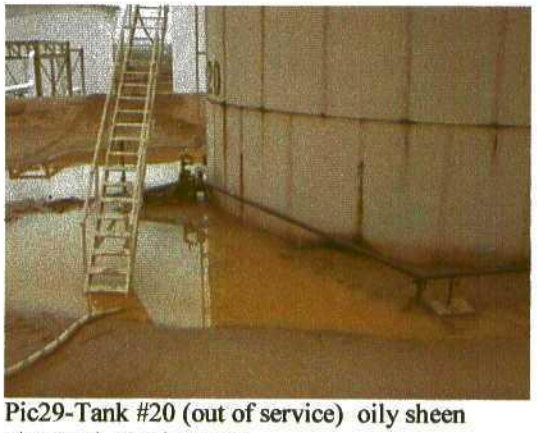
Pic25- Tank 11-14 picture looking east shows where reformate gasoline contaminated soil is being stored on plastic. Pictures shows rain water from recent rains.

Pic23- SAB except looking downstream.

Pic26- New raw water unlined ponds. Looking west refinery in background. This location was noted to be where the old refinery evaporation ponds were located.

Pic27- New active landfill where cat fines and sulfur is buried. Looking NE.

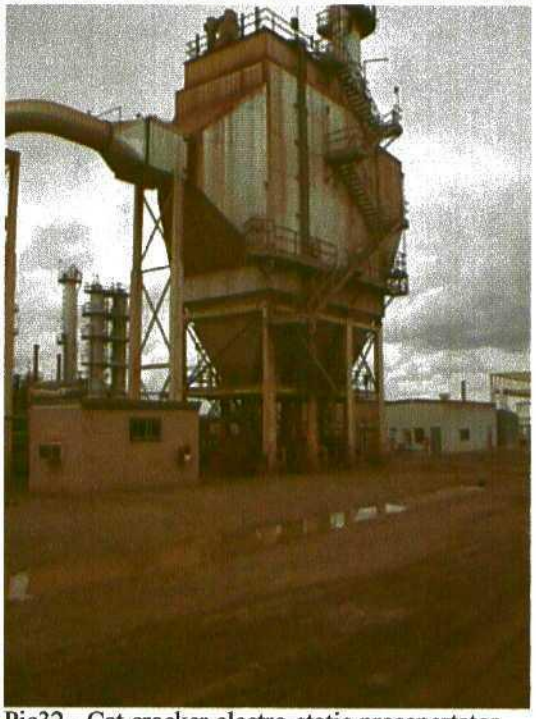
Pic28- Old (in-active landfill) Looking west. Picture shows monitor well #8.



Pic29-Tank #20 (out of service) oily sheen observed on rainwater.

Pic30- Tank #26 (out of service) picture shows typical below-grade tank drain and stormwater collection system in tank farm. These systems do not have secondary containment.

Pic 31-Tank#27 fuel oil tank gage leak and bioremediation area. Soils did not have any olfactory smells.



Pic32- Cat cracker electro-static precepertator and bag house.

Pic33- Cat fines collection buggies. This waste is buried on site at the active landfill.

Pic34- Finish product loading racks. Looking east.

Pic35- Bad oil unloading dock and tanks in the background.

Pic36-Gas storage area, background shows green building where tube bundle cleaning pad and where hazardous waste is stored. This area is under the regulatory authority of NM-HRMB.

Pic37- Refinery north waste water holding pond and leak detector. Leak detector was observed to be full of water i.e. same level as pond.

OCD ENVIRONMENTAL BUREAU

SITE INSPECTION SHEET

DATE: 3-30-00 **Time:** 8 AM

Type of Facility: Refinery ☑ Gas Plant ☐ Compressor St. ☐ Brine St. ☐ OilField Service Co. ☐
Surface Waste Mgt. Facility ☐ E&P Site ☐ Crude Oil Pump Station ☐
Other ☐ _____

CONDITIONS DURING INSPECTION:
RAIN + SNOW

Discharge Plan: No ☐ Yes ☑ DP# GW-1

FACILITY NAME: GIANT BLOOMFIELD REFINERY

PHYSICAL LOCATION: BLOOMFIELD NM

Legal: QRT ___ QRT ___ Sec 26 TS 29N R 11W **County** SAN JUAN

OWNER/OPERATOR (NAME) SAN JUAN RIFINING CO.

Contact Person: BARRY HOLMAN 4990 **Tele:#** 505-632-4168

MAILING ADDRESS: 111 COUNTY ROAD A BLOOMFIELD **State** NM **ZIP** 87413

Owner/Operator Rep's: DAVE PAVLICH, DORINDA MANCINI

OCD INSPECTORS: ANDERSON, PRICE, FOUST

1. **Drum Storage:** All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.

OK-

2. **Process Areas:** All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.

• PIC 10 - AREA WEST OF WET GAS COMPRESSOR BUILDING OIL SPRAY FROM PUMPS IS BEING DISCHARGED TO GROUND • PIC 15 WASTE CATALYST IS BEING DISCHARGED TO GROUND OUTSIDE OF CONTAINMENT AREA

3. **Above Ground Tanks:** All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.

• PIC 3+8 COOLING TOWERS CHEMICAL TANKS DO NOT HAVE PROPER CONTAINMENT.

• PIC2 - OLD MONITOR WELL NEEDS GROUTED

4. **Above Ground Saddle Tanks:** Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

5. **Labeling:** All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

#1 COOLING TOWER ACID TANK NEEDS LABEL.

6. **Below Grade Tanks/Sumps:** All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.

• PIC 6 BOILER HOUSE (#4) CONCRETE DRAIN NEEDS REPAIRING.

• PIC 20 FUEL OIL (BUNKER C) LOADING RACK TROUGHS & SUMPS REQUIRE CLEANING.

• GIANT SHALL PROVIDE INTEGRITY TEST FOR ALL BELOW GRADE TANKS/SUMPS.

7. **Underground Process/Wastewater Lines:** All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

GIANT SHALL PROVIDE RESULTS of piping PRESSURE TEST.

8. **Onsite/Offsite Waste Disposal and Storage Practices:** Are all wastes properly characterized and disposed of correctly? Does the facility have an EPA hazardous waste number? ✓ Yes _____ No

ARE ALL WASTE CHARACTERIZED AND DISPOSED OF PROPERLY? YES ☐ NO ☒ IF NO DETAIL BELOW.

• PIC 27 GIANT SHALL SAMPLE WASTE going into LANDFILL FOR WQCC CONSTITUENTS.

NMOCD RECOMMENDS GIANT to INSTALL A BARRIER AROUND THE API-ABT PONDS.

9. **Class V Wells:** Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

ANY CLASS V WELLS NO ☒ YES ☐ IF YES DESCRIBE BELOW!

10. **Housekeeping:** All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

- GOOD -

11. **Spill Reporting:** All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the proper OCD District Office.

- PIC 12 - NEED CLOSURE REPORT FOR REFORMATE AREA - NEED BOTTOM TPH RESULTS & PID RESULTS, ALSO NEED PLAN FOR REFORMATE CONTAMINATED SOIL SEE PIC 25

12. **Does the facility have any other potential environmental concerns/issues?**

- WASTE WATER POND LEAK DETECTORS HAVE HIGH FLUID LEVELS GIANT TO INVESTIGATE if POND LINERS ARE LEAKING.
- GIANT TO INVESTIGATE TANK #20 AREA FOR CONTAMINATION.

13. **Does the facility have any other environmental permits - i.e. SPCC, Stormwater Plan, etc.?**

SPCC - YES STORMWATER PLAN - YES
GIANT TO SUBMIT PLANS.

14. **ANY WATER WELLS ON SITE ?** NO ☒ YES ☐ **IF YES, HOW IS IT BEING USED ?**

Miscellaneous Comments:

19,000 BBL'S / DAY CRUDE REFINING / BUILT 1950'S

Number of Photos taken at this site: 37

attachments-

State of New Mexico
ENVIRONMENT DEPARTMENT
Surface Water Quality Bureau
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
Telephone (505) 827-0187
Fax (505) 827-0160

GARY E. JOHNSON
GOVERNOR

PETER MAGGIORE
SECRETARY

PAUL R. RITZMA
DEPUTY SECRETARY

Certified Mail - Return Receipt Requested

October 5, 1999

Mr. John Stokes
Giant Refining Company
#50 County Road 4990
Bloomfield, New Mexico 87413

RE: Compliance Evaluation Inspection, Bloomfield Refinery, NPDES #NMR00A827 and #NMR05A546, August 19, 1999

Dear Mr. Stokes:

Enclosed, please find a copy of the report for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas, for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

Problems noted during this inspection are discussed in the Further Explanations section of the inspection report. You are encouraged to review the inspection report, correct any problems noted during the inspection, and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing, both USEPA and NMED regarding modifications and compliance schedules.

My thanks for the help and cooperation of Mr. Lynn Shelton, during this inspection. If you have any questions, please feel free to contact me at the above address or by telephone at (505) 827-2798.

Sincerely,

Richard E. Powell
Surface Water Quality Bureau

xc: USEPA, Dallas (2 copies)
USEPA, NPDES Permits Branch (6WQ-P)
Taylor Sharpe, USEPA (6EN-WT)
NMED, District I, Albuquerque
NMED, Farmington Field Office
NMOCD, Roger Anderson

EPA

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type
1 N 2 5 3	N M R 0 0 A 8 2 7 11 12	9 9 0 8 1 9 17 18	C 19	S 20	2

Remarks: PETROLEUM REFINERY SIC 2911

Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved
67 69	70 1	71 N 72	N 73 74 75	80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time /Date	Permit Effective Date
GIANT REFINING COMPANY - BLOOMFIELD, 1 MILE SOUTH OF BLOOMFIELD ON NM44 FROM US64/NM44 JUNCTION, EAST ON COUNTY ROAD 4990 SAN JUAN COUNTY	0730/8-19-99	10-1-95
	Exit Time/Date 1430/8-19-99	Permit Expiration Date 10-1-2000

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data
*TYSON L. SHELTON, ENVIRONMENTAL MANAGER, 505-632-4168 *	LAT 36 41 47.2 LONG 107 58 04.7
Name, Address of Responsible Official/Title/Phone and Fax Number JOHN STOKES, REFINERY MANAGER, GIANT REFINING COMPANY-BLOOMFIELD, #50 COUNTY ROAD 4990, BLOOMFIELD, NM 87413, 505-632-8013	Contacted Yes * No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

U	Permit	N	Flow Measurement	U	Operations & Maintenance	N	CSO/SSO
U	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	U	Pollution Prevention
U	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
N	Effluent/Receiving Waters	N	Laboratory	U	Storm Water	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

1. FACILITY HAS NOT APPLIED FOR AND RECEIVED REQUIRED NPDES PERMIT COVERAGE BUT HAS PREPARED AND PARTIALLY IMPLEMENTED A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) UNDER THE BASELINE GENERAL STORM WATER PERMIT FOR THE REFINERY. AN ADJACENT "TRANSPORTATION YARD" DOES HAVE REQUIRED PERMIT COVERAGE (#NMRO5A546) BUT HAS NOT PREPARED THE REQUIRED SWPPP
2. FACILITY HAS SEVERAL PROBLEMS WITH ALLOWABLE PERMIT COVERAGE, RECORDKEEPING REQUIREMENTS, AND OTHER AREAS
3. FACILITY IS OWNED BY SAN JUAN REFINING COMPANY, A WHOLLY OWNED SUBSIDERARY OF GIANT INDUSTRIES AZ, INC.
4. SEE REPORT, PHOTOGRAPHS, AND FURTHER EXPLANATIONS

RICHARD E. POWELL	Agency/Office/Telephone/Fax NMED/SWQB 505-827-2798	Date 10-5-99
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

EPA Form 3560-3 (Rev. 9-94) Previous editions are obsolete.

Storm Water Industrial General Permit
Pollution Prevention Plan

CHECKLIST

Giant Refining Company - Bloomfield	DATE: 8/19/99	PERMIT NO NMR00A827, NMR05A546

POLLUTION PREVENTION TEAM

MEETS PERMIT REQUIREMENTS. S☐ M☒ U☐ N/A☐ (FURTHER EXPLANATION ATTACHED NO)
DETAILS: U transportation yard

1. IDENTIFY SPECIFIC INDIVIDUALS. Needs to be updated — Y☒ N☐ N/A☐

2. OUTLINE INDIVIDUALS RESPONSIBILITIES. — Y☒ N☐ N/A☐

DESCRIPTION OF POTENTIAL POLLUTANT SOURCES

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☐ N/A☐ (FURTHER EXPLANATION ATTACHED NO)
DETAILS: U for transportation yard

1. SITE MAP INDICATING. — S☐ M☐ U☒ N/A☐

a) DRAINAGE AREAS — Y☐ N☒ N/A☐

b) DRAINAGE PATTERNS AND OUTFALLS not outfalls, but have several — Y☐ N☒ N/A☐

c) STRUCTURAL AND NON-STRUCTURAL CONTROLS there are few — Y☐ N☒ N/A☐

d) SURFACE WATERS — Y☒ N☐ N/A☐

e) SIGNIFICANT MATERIALS EXPOSED TO PRECIPITATION — Y☐ N☒ N/A☐

f) LOCATIO: OF LEAKS/SPILLS WHICH HAVE OCCURED IN THE LAST 3 YEARS — Y☐ N☒ N/A☐

g) LOCATION OF INDUSTRIAL ACTIVITIES EXPOSED TO PRECIPITATION — Y☐ N☒ N/A☐

FUELING STATIONS no discharge from fueling area — Y☒ N☐ N/A☐

MAINTENANCE OR CLEANING AREAS — Y☐ N☒ N/A☐

LOADING/UNLOADING AREAS — Y☐ N☒ N/A☐

WASTE TREATMENT.STORAGE OR DISPOSAL AREAS — Y☐ N☒ N/A☐

LIQUID STORAGE TANKS — Y☐ N☒ N/A☐

PROCESSING AREAS — Y☒ N☐ N/A☐

STORAGE AREAS — Y☐ N☒ N/A☐

2. LIST OF POLLUTANTS LIKELY TO BE PRESENT IN DISCHARGES. — S☐ M☐ U☒ N/A☐

3. DESCRIPTION OF SIGNIFICANT MATERIALS HANDLED, TREATED, STORED OR DISPOSED OF SUCH THAT EXPOSURE TO STORM WATER OCCURED IN THE LAST 3 YEARS. SPCC — S☒ M☐ U☐ N/A☐

a) DESCRIPTION OF THE METHOD AND LOCATION OF STORAGE OR DISPOSAL — Y☒ N☐ N/A☐

b) DESCRIPTION OF ALL MATERIAL MANAGEMENT PRACTICES — Y☒ N☐ N/A☐

c) DESCRIPTION AND LOCATION OF EXISTING STRUCTURAL AND NON-STRUCTURAL CONTROLS — Y☒ N☐ N/A☐

4. SUMMARY OF EXISTING STORM WATER SAMPLING DATA — S☐ M☐ U☐ N/A☒

5. DESCRIPTION OF AREAS WITH A HIGH POTENTIAL FOR SIGNIFICANT SOIL EROSION — S☐ M☐ U☒ N/A☐

6. A NARRATIVE SUMMARIZING POTENTIAL POLLUTANT SOURCES — S☐ M☐ U☒ N/A☐

Storm Water Industrial General Permit
Pollution Prevention Plan

CHECKLIST

	DATE	PERMIT NO
Giant Refining Company - Bloomfield	8/19/99	NMR00A827, NMR05A546

DESCRIPTION OF APPROPRIATE MEASURES AND CONTROLS

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☒ N/A☐ (*FURTHER EXPLANATION ATTACHED* NO)
DETAILS: U for transportation yard

1. GOOD HOUSEKEEPING PROCEDURES. not for maintenance,LPG,etc.,/records not referenced	S☐ M☐ U☒ N/A☐
2. PREVENTIVE MAINTENANCE PROCEDURES. not for maintenance,LPG,etc,/records not referenced	S☐ M☐ U☒ N/A☐
3. SPILL PREVENTION AND RESPONSE PROCEDURES.	S☒ M☐ U☐ N/A☐
4. INSPECTION PROCEDURES. haven't addressed/ haven't done	S☐ M☐ U☒ N/A☐
5. EMPLOYEE TRAINING PROGRAM. not done /not recorded	S☐ M☐ U☒ N/A☐
6. RECORDKEEPING AND INTERNAL REPORTING PROCEDURES	S☐ M☐ U☒ N/A☐
7. NON-STORM WATER DISCHARGE CERTIFICATION. Not done	S☐ M☐ U☒ N/A☐
a) IDENTIFY AUTHORIZED NON-STORM WATER DISCHARGES AND APPROPRIATE CONTROLS	Y☐ N☐ N/A☒
8. EROSION AND SEDIMENT CONTROLS FOR AREAS WITH HIGH EROSION POTENTIAL.	S☐ M☐ U☒ N/A☐
9. A NARRATIVE CONSIDERATION OF TRADITIONAL STORM WATER MANAGEMENT PRACTICES.	S☐ M☐ U☒ N/A☐
10. PLANS FOR IMPLEMENTATION AND MAINTENANCE OF TRADITIONAL MEASURES APPROPRIATE.	S☐ M☐ U☒ N/A☐

ANNUAL SITE COMPLIANCE EVALUATION REPORTS

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☒ N/A☐ (*FURTHER EXPLANATION ATTACHED* NO)
DETAILS: none done

1. SUMMARY OF THE SCOPE OF THE INSPECTION.	S☐ M☐ U☐ N/A☐
2. PERSONNEL MAKING THE INSPECTION.	S☐ M☐ U☐ N/A☐
3. MAJOR OBSERVATIONS.	S☐ M☐ U☐ N/A☐
4. ACTIONS TAKEN TO REVISE THE POLLUTION PREVENTION PLAN.	S☐ M☐ U☐ N/A☐
5. CERTIFICATION OF COMPLIANCE OR A LIST OF INCIDENTS OF NON-COMPLIANCE.	S☐ M☐ U☐ N/A☐

COMPLIANCE WITH MUNICIPAL STORM WATER MANAGEMENT REQUIREMENTS

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☐ N/A☒ (*FURTHER EXPLANATION ATTACHED* NO)
DETAILS:

CONSISTENCY OF POLLUTION PREVENTION PLAN WITH OTHER PLANS

MEETS PERMIT REQUIREMENTS. S☒ M☐ U☐ N/A☐ (*FURTHER EXPLANATION ATTACHED* NO)
DETAILS: SPCC

SALT STORAGE PILES ONSITE COVERED OR ENCLOSED

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☐ N/A☒ (*FURTHER EXPLANATION ATTACHED* NO)
DETAILS:

NPDES Compliance Inspection
Giant Refining Company - Bloomfield (GRC), NMR00A827

Further Explanations

Introduction

On August 19, 1999, a Compliance Evaluation Inspection was conducted at the Giant Refining Company (owned by the San Juan Refining Company, 23733 N. Scottsdale Road, Scottsdale, AZ 85255, a subsidiary of Giant Industries AZ, Inc.) - Bloomfield refinery located at Bloomfield, New Mexico by Richard E. Powell of the State of New Mexico Environment Department (NMED). The purpose of this inspection was to document the permittee's status regarding the NPDES multi-sector general storm water permit for industrial activities (this facility has industrial activities being conducted on-site that meet the descriptions of industrial activities in section I) and storm water regulations at **40 Code of Federal Regulations (CFR) Part 122.26**.

GRC applied for (on December 12, 1995 and again on September 8, 1997), and was granted permit coverage for the refinery (#NMR00A552 and #NMR00A827 respectively) under the NPDES baseline industrial general storm water permit. GRC applied for (on October 20, 1995), and was granted permit coverage for an adjacent "Transportation Yard" (#NMR05A546) under the NPDES multi-sector general storm water permit (MSGP). GRC has apparently not applied for MSGP coverage for the refinery. Storm water runoff from this site discharges to various unnamed tributaries, and to the Hammond Ditch; thence to the San Juan River in Segment 2401 of the San Juan Basin. This report is based on review of files maintained by the permittee and NMED, on-site observation by NMED personnel, and verbal information provided by the permittee's representative, Mr. Tyson L. Shelton, Environmental Manager.

An entrance interview was conducted with Mr. Shelton at approximately 0750 hours on August 19, 1999. The inspector made introductions, presented his credentials and discussed the purpose of the inspection.

There was a SWPPP prepared for the refinery under the baseline general permit available for review at the site on the date of this inspection. This plan, last updated October 3, 1996, was prepared in-house. There is no SWPPP for the Transportation Yard as required under the MSGP. Please refer to the attached checklist for additional information. Some of the major findings of the inspection are as follows:

General

The final modification of the multi-sector general storm water permit (FR/Vol. 63, No. 189/Wednesday, September 30, 1998) in Part III. requires that "Facilities currently covered by the Baseline Industrial General Permit for an existing storm water discharge associated with industrial activity that have not already submitted an NOI in accordance with Part II.A.6 to transfer coverage to the Multi-Sector General Permit, shall do so on or before 90 days after the effective date of the modification ...Where an extension of the Baseline Industrial General Permit has been acquired by the permittee under the provisions of the

APA, coverage under such extended permit shall terminate in all applicable areas 92 days after the effective date of the modified MSGP ...." (90 days after September 30, 1998 was December 29, 1998 and 92 days was December 31, 1998).

As above, GRC had NPDES permit coverage under the baseline permit for the refinery. Since GRC apparently has not submitted an NOI to transfer coverage to the MSGP, it appears that storm water discharges from this facility have been unpermitted since the expiration date of the baseline permit. The Transportation Yard does have required MSGP permit coverage.

The final modification in Part IV. (under IV.A.10.) requires that, "Facilities transferring industrial storm water discharge coverage from the Baseline Industrial General Permit to the Multi-Sector General Permit shall revise and begin implementation of their pollution prevention plans to address requirements under Part XI no later than 180 days after the date of modification of the Multi-Sector Permit." (180 days after September 30, 1998 was March 29, 1999).

As above, the SWPPP for the refinery has not been revised since October 3, 1996 and this plan does not address additional requirements under Part XI of the MSGP. In addition, although the SWPPP is signed by a cognizant official per requirements in Part VII.G. (Signatory Requirements) of the MSGP, the required certification in Part VII.G.2.d. is not included.

Part II.A.1. of the permit requires that existing facilities that wish to be covered under the MSGP submit a complete application (NOI) by December 30, 1995, and Part IV.A.1 requires the SWPPP to be prepared and implemented by 270 days after permit finalization [June 30, 1996, extended by EPA until September 25, 1996].

Although the Transportation Yard has MSGP coverage (NOI dated October 20, 1995) there has been no SWPPP prepared for this facility, nor does the above SWPPP for the refinery address storm water discharges, and pollutant controls for this facility.

The final modification in Part VI. (under XI.I.) states, "This section also covers petroleum refineries listed under SIC code 2911. Contaminated storm water discharges from petroleum refining or drilling operations that are subject to nationally established BAT or BPT guidelines found at 40 CFR 419 and 435 respectively are not included. Areas which may be eligible for permit coverage, provided discharges from these areas are not co-mingled with "contaminated runoff," include: vehicle and equipment storage, maintenance and refueling areas. Most areas at refineries will not be eligible for coverage including: raw material, intermediate product, by-product, final product, waste material, chemical, and material storage areas; loading and unloading areas; transmission pipelines; and, processing areas."

This facility is a petroleum refinery subject to nationally established BAT or BPT guidelines found at **40 CFR 419** (Subpart B - Cracking Subcategory). Therefore, it appears that the only areas eligible for coverage under the MSGP are the adjacent Transportation Yard, the vehicle refueling areas, and perhaps the refinery office/welding shop/safety building/ground water recovery storage tank complex. The SWPPP prepared for this facility appears to address areas which may not be eligible for coverage under the MSGP. The maps included with the SWPPP show both eligible and

ineligible areas, drainage areas, and outfalls. Although all discharges from this facility require NPDES permit coverage, the required site map included with the SWPPP should address only areas eligible for coverage under the MSGP. All other areas should be addressed on a separate map(s) as required for compliance with an individual NPDES permit. The permittee should discuss incorporation of additional discharges from areas which require individual NPDES permit coverage (see **40 CFR Part 419**) with USEPA.

Section 3.2.2 of the SWPPP states, "All refinery processing areas are equipped with curbed, concrete paving to direct any storm water that lands in the process areas to the refinery waste water system." However, this appears not to be the case in all instances. Many of the processing areas at this facility discharge through an oil/water separator, into a series of three small, lined aeration ponds which then discharge into two downstream ponds for evaporation.

During this inspection, it was noted that runoff from many areas, which may produce "contaminated runoff" (and thus require individual NPDES permit coverage), discharge directly into county road (which splits the refinery facility) ditches which are tributary to the Hammond Ditch, directly into the Hammond Ditch, or into other, unnamed tributaries to the San Juan River. These areas include the LPG (propane, butane, and olefins) storage and loading area; the hazardous waste storage (<90 day) and refinery warehouse annex (barrel and material storage outdoors, junk truck storage, staining on the ground, etc.); and the general area around, and north of the loading rack and terminal area (diesel and gas loading area), all located on the south side of the county road. There are numerous drainages going under the refinery fence from these areas to the county road ditches. On the north side of the road, there is a laydown yard on the east side of the office where several types of materials are stored, including several (25-30) both empty and some full barrels marked caustic soda, aqua ammonia, catalyst, etc. This area may, at least partially drain into the county road ditches. There is also a boneyard (scrap) and several other areas located north of the road (including a transmission pipeline corridor along the east side), from which drainage appears to discharge, uncontrolled into the Hammond Ditch along the north and east sides of the facility. There are a number of large gullies leading from the refinery site in these same areas. In addition, process waste water transmission lines which carry spills and storm water (contaminated and uncontaminated runoff) from the south side of the road (e.g., from the loading rack terminal area, fueling area, etc.) to the refinery waste water system on the north side of the road run through corridors which cross the county road and, from which there are no runoff controls. There have been at least two line breaks from these lines (3500 gallons in December, 1998 and 1800 gallons in January, 1999) which have resulted in discharges to "waters of the United States."

Most of the runoff from the main refinery processing area, the RCRA hazardous waste treatment area, storage areas, etc. drains to the above refinery waste water system (see photographs). As mentioned above, this system includes two evaporative ponds at the end of the waste stream. These ponds are operated in series with the upper pond discharging to the lower pond through a pipe discharge structure. However, although it is likely true that these ponds normally function as an evaporative system, the lower pond has a spillway discharge structure, and likely does discharge to the San Juan River during extreme spill and/or precipitation events.

An exit interview to discuss the findings of this inspection was conducted at approximately 1430 hours on August 19, 1999 with Mr. Shelton, at the office.

Giant Refining Company-Bloomfield
Compliance Inspection, August 19, 1999
Photographs by Rich Powell, NMED

Upper of two, in series evaporation ponds which are the end of the waste stream from the main refinery waste water system. This pond discharges from a pipe (center left) to a lower pond.

Lower pond discussed above. Note that pond is quite full. It is likely that discharges from this pond via the spillway in the center right (as well as seepage) occur during chronic and/or catastrophic spill and/or precipitation events.

GIANT REFINING CO.

50 Road 4990
P.O. Box 159
Bloomfield, New Mexico 87413
505
632-8013

December 3, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P 478 605 036

Mr. Roger Anderson
Environmental Bureau Chief
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Report of Release Giant Refining Company - Bloomfield (GW-1)

Dear Mr. Anderson:

Giant Refining Company - Bloomfield, owner and operator of the Bloomfield Refinery, submits this written report as a follow-up to the verbal report made to the OCD district office in Aztec on November 26, 1996 at 1:47 PM.

A sheen of what appears to be hydrocarbons, was discovered on the San Juan River near our facility at approximately 9:20 AM on that day and immediate measures were taken to control the sheen. The weather was overcast, with snow flurries and a temperature of approximately 35 degrees F. A boom was placed around the sheen, absorbent pillows were placed within the boomed area and a shallow hole was dug on the bank for a culvert as an interceptor between the river and the hydrocarbon source. A diaphragm pump was used to recover water and hydrocarbon. These measures prevented any additional sheen from appearing within the boomed area. The south bank of the San Juan River was inspected to approximately 1000' west and approximately 1000' to the east of the site for visual evidence of an additional sheen or discoloration. There were none.

Mr. Denny Foust of the OCD District Office in Aztec visited the site at 2:08 PM. Your office was called while Mr. Foust was onsite to discuss the situation.

Bill Kingsley, of Precision Engineering, Inc., was flown in to assist in designing a system to create a barrier to prevent movement of hydrocarbons to the river.

On Wednesday, November 27, an excavation was made with a trackhoe to install a galvanized culvert, 4" in diameter, into the conductive formation for an additional hydrocarbon recovery point. An additional culvert is being installed today between the first culvert and the river, for an additional hydrocarbon recovery point. The boom and absorbent pillows are still in place.

The source of the hydrocarbon that created the sheen is not known and the volume of hydrocarbon that entered the river cannot be estimated.

Giant will be taking additional steps to determine the source of the hydrocarbon so that steps can be taken to mitigate the problem. The site has been monitored 24 hours a day since the discovery of the sheen.

If you need additional information, please do not hesitate to call me at (505) 632 8013.

Sincerely:

Lynn Shelton

Lynn Shelton
Environmental Manager
Giant Refining Company - Bloomfield

cc: John Stokes, Refinery Manager
Denny Foust, OCD Aztec

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal	Time 10:15 AM	Date 12-3-96
Originating Party		Other Parties
* Mr. Lynn Shelton - Giant (GW-001)		Pat Sanchez - OCD

Subject: Giant Bloomfield Refinery (GW-001) - Release that occurred last week from the soil near the river. (UPdate on Mitigation)

Discussion: Mr. Shelton called to let me know what has been going on at the release - Giant has installed a screened culvert to try to contain as much of the release as possible. He also wanted to know if any other action other than what they are doing now is required - (They are looking at installing another culvert.) I told Mr. Shelton that they are acting properly by trying to address the release promptly and that upon our receipt of the written Notice It would be our Responsibility to determine if Further mitigation is required. Note: They have an approved discharge plan & an approved Free product recovery plan in place, also they have previously submitted a CMS to EPA, I Also told Lynn He could call Roger tommorow to discuss further.

Conclusions or Agreements:

Distribution: File.

Signed: [signature]

* Note: Giant did notify the district last week as soon as they discovered the problem.

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-0187

GARY E. JOHNSON
GOVERNOR

MARK E. WEIDLER
SECRETARY

EDGAR T. THORNTON, III
DEPUTY SECRETARY

Certified Mail - Return Receipt Requested

November 25, 1996

Mr. John Stokes
Giant Refining Company
P.O. Box 159
Bloomfield, New Mexico 87413

RE: Compliance Evaluation Inspection, Giant Refinery-Bloomfield, NPDES Permit #NMR00A552, October 3, 1996

Dear Mr. Stokes:

Enclosed, please find a copy of the report for the referenced inspection that I conducted at your facility. This inspection report will be sent to the U.S. Environmental Protection Agency (USEPA) in Dallas, for their review. These inspections are used to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permit issued in accordance with the federal Clean Water Act.

Problems noted during this inspection are discussed in the Further Explanations section of the inspection report. You are encouraged to review the inspection report, correct any problems noted during the inspection, and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing, both USEPA and NMED regarding modifications and compliance schedules.

My thanks to Mr. Tyson L. Shelton of your staff for his help and cooperation during this inspection. If you have any questions, please feel free to contact me at the above address or by telephone at (505) 827-2798.

Sincerely,

Richard E. Powell
Surface Water Quality Bureau

xc: USEPA, Dallas (2 copies)
Taylor Sharpe, USEPA (6EN-WT)
NMED, District I, Albuquerque
NMED, Farmington Field Office
NMOCD, Roger Anderson

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type
1 N	2 5 3 N M R 0 0 A 5 5 2 11	12 9 6 1 0 0 3 17	18 C	19 S	20 2

Remarks: SIC 2911 PETROLEUM REFINERY

Reserved	Facility Evaluation Rating	BI	QA	Reserved
67 69	70 2	71 N	72 N	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Giant Refinery -1 mile South of US 64 in Bloomfield on NM 44, ½ mile east on CR 4990 to office on left.	10:25 [X] AM [ ] PM	9-9-92
	Exit Time/Date: 1450 hours 10-3-96	Permit Expiration Date: 9-9-97

Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)
Tyson L. Shelton*	Environmental Manager	505-632-8013

Name, Address of Responsible Official	Title	Contacted
John Stokes* Giant Refining Company P.O. Box 159, Bloomfield, NM 87413	Refinery Manager Phone No.: 505-632-8013	* Yes [ ] No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	N	Flow Measurement	N	Pretreatment	M	Operation and Maintenance
U	Records/Reports	N	Laboratory	N	Compliance Schedule	N	Sludge Disposal
M	Facility Site Review	M	Effluent/Receiving Waters	U	Self-Monitoring Program	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

1. Permittee has coverage under the NPDES baseline general storm water permit and has a Storm Water Pollution Prevention Plan (SWPPP) in place which was updated in December, 1995.
2. The description of potential pollutant sources in the SWPPP and on the site map is incomplete.
3. The permittee has installed storm water runoff controls per the SWPPP in many areas of the plant site but, some areas are not controlled, including some areas where Section 313 water priority chemicals are handled/stored.
4. The permittee has not conducted the required annual site compliance evaluations.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone	Date
Richard E. Powell	NMED/SWQB 505-827-2798	11-25-96
Signature Of Reviewer	Agency/Office	Date

Regulatory Office Use Only

Action Taken	Date	Compliance Status
		[ ] Noncompliance [ ] Compliance

Storm Water Industrial General Permit
Pollution Prevention Plan

CHECKLIST

GIANT REFINERY - Bloomfield	DATE: 10-3-96	PERMIT NO: NMR00A552

POLLUTION PREVENTION TEAM

MEETS PERMIT REQUIREMENTS. S☒ M☐ U☐ N/A☐ (FURTHER EXPLANATION ATTACHED No)
DETAILS: **Updated SWPPP 12-95**

1. IDENTIFY SPECIFIC INDIVIDUALS.	Y☒ N☐ N/A☐
2. OUTLINE INDIVIDUALS RESPONSIBILITIES.	Y☒ N☐ N/A☐

DESCRIPTION OF POTENTIAL POLLUTANT SOURCES

MEETS PERMIT REQUIREMENTS. S☐ M☒ U☐ N/A☐ (FURTHER EXPLANATION ATTACHED Yes)
DETAILS:

1. SITE MAP INDICATING.	S☐ M☒ U☐ N/A☐
a) DRAINAGE AREAS	Y☒ N☐ N/A☐
b) DRAINAGE PATTERNS AND OUTFALLS **3-4 outfalls not indicated**	Y☐ N☒ N/A☐
c) STRUCTURAL AND NON-STRUCTURAL CONTROLS **some not shown**	Y☐ N☒ N/A☐
d) SURFACE WATERS	Y☒ N☐ N/A☐
e) SIGNIFICANT MATERIALS EXPOSED TO PRECIPITATION **for most, not all areas**	Y☐ N☒ N/A☐
f) LOCATION OF LEAKS/SPILLS WHICH HAVE OCCURED IN THE LAST 3 YEARS	Y☐ N☐ N/A☒
g) LOCATION OF INDUSTRIAL ACTIVITIES EXPOSED TO PRECIPITATION	Y☐ N☒ N/A☐
FUELING STATIONS	Y☐ N☒ N/A☐
MAINTENANCE OR CLEANING AREAS	Y☐ N☒ N/A☐
LOADING/UNLOADING AREAS	Y☒ N☐ N/A☐
WASTE TREATMENT,STORAGE OR DISPOSAL AREAS	Y☒ N☐ N/A☐
LIQUID STORAGE TANKS **most, not all**	Y☐ N☒ N/A☐
PROCESSING AREAS	Y☒ N☐ N/A☐
STORAGE AREAS	Y☒ N☐ N/A☐
2. LIST OF POLLUTANTS LIKELY TO BE PRESENT IN DISCHARGES. **updated 2-16-95 w/SPCC**	S☐ M☒ U☐ N/A☐
3. DESCRIPTION OF SIGNIFICANT MATERIALS HANDLED, TREATED, STORED OR DISPOSED OF SUCH THAT EXPOSURE TO STORM WATER OCCURED IN THE LAST 3 YEARS.	S☒ M☐ U☐ N/A☐
a) DESCRIPTION OF THE METHOD AND LOCATION OF STORAGE OR DISPOSAL	Y☒ N☐ N/A☐
b) DESCRIPTION OF ALL MATERIAL MANAGEMENT PRACTICES	Y☒ N☐ N/A☐
c) DESCRIPTION AND LOCATION OF EXISTING STRUCTURAL AND NON-STRUCTURAL CONTROLS	Y☒ N☐ N/A☐
4. SUMMARY OF EXISTING STORM WATER SAMPLING DATA	S☒ M☐ U☐ N/A☐
5. DESCRIPTION OF AREAS WITH A HIGH POTENTIAL FOR SIGNIFICANT SOIL EROSION	S☐ M☐ U☒ N/A☐
6. A NARRATIVE SUMMARIZING POTENTIAL POLLUTANT SOURCES	S☒ M☐ U☐ N/A☐

Storm Water Industrial General Permit
Pollution Prevention Plan

CHECKLIST

GIANT REFINERY - Bloomfield	DATE 10-3-96	PERMIT NO NMR00A552

DESCRIPTION OF APPROPRIATE MEASURES AND CONTROLS

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☒ N/A☐ (*FURTHER EXPLANATION ATTACHED* Yes)
DETAILS: Storm Water runoff controls are in place in most, but not all, of this facility

1. GOOD HOUSEKEEPING PROCEDURES.	S☒ M☐ U☐ N/A☐
2. PREVENTIVE MAINTENANCE PROCEDURES. not for fueling area, pump maintenance	S☐ M☒ U☐ N/A☐
3. SPILL PREVENTION AND RESPONSE PROCEDURES.	S☒ M☐ U☐ N/A☐
4. INSPECTION PROCEDURES.	S☐ M☐ U☒ N/A☐
5. EMPLOYEE TRAINING PROGRAM Not done and/or not recorded	S☐ M☐ U☒ N/A☐
6. RECORDKEEPING AND INTERNAL REPORTING PROCEDURES	S☐ M☒ U☐ N/A☐
7. NON-STORM WATER DISCHARGE CERTIFICATION. not done	S☐ M☐ U☒ N/A☐
a) IDENTIFY AUTHORIZED NON-STORM WATER DISCHARGES AND APPROPRIATE CONTROLS	Y☐ N☒ N/A☐
8. EROSION AND SEDIMENT CONTROLS FOR AREAS WITH HIGH EROSION POTENTIAL.	S☐ M☐ U☒ N/A☐
9. A NARRATIVE CONSIDERATION OF TRADITIONAL STORM WATER MANAGEMENT PRACTICES.	S☐ M☐ U☒ N/A☐
10. PLANS FOR IMPLEMENTATION AND MAINTENANCE OF TRADITIONAL MEASURES APPROPRIATE.	S☐ M☐ U☒ N/A☐

ANNUAL SITE COMPLIANCE EVALUATION REPORTS

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☒ N/A☐ (*FURTHER EXPLANATION ATTACHED* Yes)
DETAILS: none done

1. SUMMARY OF THE SCOPE OF THE INSPECTION.	S☐ M☐ U☐ N/A☐
2. PERSONNEL MAKING THE INSPECTION.	S☐ M☐ U☐ N/A☐
3. MAJOR OBSERVATIONS.	S☐ M☐ U☐ N/A☐
4. ACTIONS TAKEN TO REVISE THE POLLUTION PREVENTION PLAN.	S☐ M☐ U☐ N/A☐
5. CERTIFICATION OF COMPLIANCE OR A LIST OF INCIDENTS OF NON-COMPLIANCE.	S☐ M☐ U☐ N/A☐

COMPLIANCE WITH MUNICIPAL STORM WATER MANAGEMENT REQUIREMENTS

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☐ N/A☒ (*FURTHER EXPLANATION ATTACHED* No)
DETAILS:

CONSISTENCY OF POLLUTION PREVENTION PLAN WITH OTHER PLANS

MEETS PERMIT REQUIREMENTS. SPCC S☒ M☐ U☐ N/A☐ (*FURTHER EXPLANATION ATTACHED* no)
DETAILS:

SALT STORAGE PILES ONSITE COVERED OR ENCLOSED

MEETS PERMIT REQUIREMENTS. S☐ M☐ U☐ N/A☒ (*FURTHER EXPLANATION ATTACHED* No)
DETAILS:

NPDES Compliance Inspection
Giant Refinery-Bloomfield, NMR00A552

Further Explanations

Introduction

On October 3, 1996, a Compliance Evaluation Inspection was conducted at the Giant Refinery (Standard Industrial Classification 2911) located near Bloomfield, New Mexico by Richard E. Powell of the State of New Mexico Environment Department (NMED). The purpose of this inspection was to evaluate the permittee's compliance with the NPDES baseline general storm water permit for industrial activities and storm water regulations at **40 Code of Federal Regulations Part 122.26.**

Giant Refinery was granted permit coverage under the NPDES baseline general storm water permit and is assigned permit #NMR00A552. Storm water runoff from this site discharges to the Hammond Ditch; thence to the San Juan River in Segment 2401 of the San Juan Basin. This report is based on review of files maintained by the permittee, on-site observation by NMED personnel, and verbal information provided by the permittee's representative, Mr. Tyson L. Shelton, Environmental Manager.

An entrance interview was conducted with Mr. Shelton, at approximately 1025 hours on October 3, 1996. The inspector made introductions, presented his credentials and discussed the purpose of the inspection.

Storm Water Pollution Prevention Plan (SWPPP)

Description of Potential Pollutant Sources: Overall rating of "Marginal"

Part IV.D.2 of the permit states, in part, "Each plan shall provide a description of potential sources which may reasonably be expected to add significant amounts of pollutants to storm water discharges or which may result in the discharge of pollutants during any dry weather from separate storm sewers draining the facility. Each plan shall identify all activities and significant materials which may potentially be significant pollutant sources."

The permittee has prepared a site map as required by the general permit but has not indicated outfall locations, some structural controls such as in the fire practice area, locations of all industrial activities and materials exposed to precipitation such as a fueling station, maintenance and cleaning areas and a large area east of the plant office. In addition, the permittee does not describe unstabilized areas within the plant site which have a high potential for soil erosion.

Description of Appropriate Measures and Controls: Overall rating of "Unsatisfactory"

Part IV.D.3 of the permit states, In part, "Each facility covered by this permit shall develop a description of storm water management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility."

Measures and controls to be described and implemented by the permittee include such things as good housekeeping, preventive maintenance, periodic inspections, employee training, record keeping, non-storm water evaluations and certifications, sediment and erosion control, as well as implementation/maintenance of traditional storm water management practices, where appropriate.

Although the permittee conducts preventive maintenance such as pump maintenance and vacuuming at the fueling station, these practices are not addressed or recorded in the SWPPP. Also, according to the permittee's representative, facility personnel conduct periodic inspections (once/week) of the facility, but these inspections, their scheduled frequency, personnel conducting the inspection, dates of the inspection, results of the inspection, actions taken to correct problems encountered during the inspection, etc., are not mentioned or recorded in the SWPPP.

In addition, the permittee either does not conduct employee storm water management training or does not record this training, has not done the required non-storm water certification, does not identify sediment and erosion controls for areas with high erosion potential, and does not discuss implementation/maintenance of traditional storm water management practices.

Finally, although the permittee provides coverage and/or containment for most chemical and used oil storage, on the date of this inspection, storage drums of ammonia, sulfuric acid, caustics and used oil, as well as batteries, were being stored in the warehouse yard outside of any covered or contained areas (see photographs). Storm water runoff from this storage area discharges directly to Hammond Ditch. Of the above compounds, ammonia and sulfuric acid are Section 313 water priority chemicals (if these materials are present on-site at or above threshold levels) which, when exposed to storm water, are subject to several additional requirements under the general permit (see Part IV.D.7). Furthermore, discharges from areas where these chemicals are handled and/or stored are subject to the semi-annual monitoring requirements in Part VI.B.2.a of the baseline general permit.

Annual Site Compliance Evaluation Reports: Overall rating of "Unsatisfactory"

Part IV.D.4 of the permit states, in part, "Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but, except as provided in paragraph IV.D.4.d (below), in no case less than once a year."

According to the permittee's representative, no annual site compliance evaluations have been conducted at this facility.

An exit interview to discuss the findings of this inspection was conducted at approximately 1430 hours on October 3, 1996 with Mr. Shelton and Mr. John Stokes, Refinery Manager, at the plant office.

Giant Refinery - Bloomfield
10-3-96 CEI/Photographs by Rich Powell, NMED

Although the covered area in the background is provided for chemical storage, several barrels of ammonia, sulfuric acid, etc. were stored outside on the date of this inspection.

Used oil is supposed to be brought to this location and immediately emptied into the blue containment vessel for recycling. However, on this date, there were several full barrels stored in this area. Runoff from this and the above chemical storage area discharges directly into Hammond Ditch.

GIANT REFINING CO.
50 Road 4990
P.O. Box 159
Bloomfield, New Mexico 87413
505
632-8013

March 25,1996

Denny Foust
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Roger Anderson
Environmental Bureau Chief
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Gentlemen:

Giant Refining Company - Bloomfield submits the subsequent notification of the fire that occurred at the truck loading rack at 7:05 PM on Saturday, March 23, 1996.

The fire was extinguished by the loading rack deluge system and was contained within the concrete paved loading rack. No hydrocarbon or fire fighting water spilled out of the loading rack area.

Verbal notification was made to Mr. Foust on March 25, 1996 at 9:55 AM.

If you need additional information, please contact me at (505) 632 8013.

Sincerely:

Lynn Shelton
Environmental Manager
Giant Refining Company - Bloomfield

TLS/tls

Enclosure

cc: John Stokes, Refinery Manager
Kim Bullerdick, Corporate Counsel, Giant Industries, Inc.
Ron Weaver, Terminal Supervisor

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR Giant Refining Co.-Bloomfield Refinery					ADDRESS #50 County Road 4990, Bloomfield, NM 87413	
REPORT OF	FIRE X	BREAK	SPILL	LEAK	BLOWOUT	OTHER*
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY Giant Refining Company - Bloomfield Refinery						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 1 mile south of Bloomfield, NM						
DATE AND HOUR OF OCCURENCE 7:05 p.m. 3/23/96					DATE AND HOUR OF DISCOVERY	
WAS IMMEDIATE NOTICE GIVEN?	YES 1st workday	NO	NOT REQUIRED		IF YES, TO WHOM Denny Foust	
BY WHOM Lynn Shelton					DATE AND HOUR 3/25/96 9:55 a.m.	
TYPE OF FLUID LOST N/A					QUANTITY OF SPILL N/A	QUANTITY RECOVERED N/A	LOSS N/A
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY N/A			

IF YES, DESCRIBE FULLY**

Level sensor on tank truck failed, allowing fuel compartment to overfill. Short in wiring ignited hydrocarbon. Loading rack deluge system put fire out.

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Wiring and sensor probe to be investigated.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

All firefighting water and foam went into wastewater sewer system. No cleanup necessary as the area is concrete paved.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY	WET	DRY X	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

West wind at 10-15 mph, approximately 40 °F, dry

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Lynn Shelton TITLE Environmental Manager DATE 3/25/96

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

April 28, 1994

Mr. Robert L. Myers
New Mexico Oil Conservation Division
P. O. Box 2088
Land Office Building
Santa Fe, New Mexico 87504-2088

RE: Discharge Plan GW-001
Response to Letter Dated April 12, 1994

Dear Mr. Myers:

In regards to your request for additional information about our application to renew our Discharge Plan, we submit the following:

1. Underground Oily Water Drain Inspections

The refinery schedules major turnarounds every 3 or 4 years with the next one tentatively scheduled for April, 1996 (or April, 1997). It may be necessary to complete some of the testing and/or make repairs during the turnaround period. We therefore propose to complete the testing of all lines older than 5 years by the end of the next turnaround. Because of the variability in construction details and age of various components of our sewer system, we will need flexibility in determining scheduling and testing methods. We should be able to get a 3-pound minimum positive pressure test on most of our lines, but some exceptions may be identified as we work through the system (older drains first). As we complete each component of the system, records will set up as the benchmark for the next inspection.

2. Oil/Water Separator Inspection

The oil/water separator is usually emptied and cleaned each year. The concrete bottom and exterior walls will be visually inspected for cracks after these cleanings. Any cracks in the concrete will be vacuum tested in a manner similar to tank bottom testing.

3. Minor Spill Housekeeping

In general, we are attempting to eliminate the possibility of minor spills reaching the ground and causing staining. We will continue to improve our facility in this regard. Measures such as drip pans and additional paving will be added where needed. In the event a stain is caused; removal, raking, or disking will be promptly completed to eliminate migration.

The in-house diesel sales facility is being evaluated. The cost of paving the area will be evaluated against keeping the facility in operation. If it is kept in service, the area will be paved and curbed in a manner to eliminate minor spills and drips from entering the soil. We should be able to complete this work by the end of this year.

If you need any additional information, please contact me.

Sincerely,

Chris Hawley
Environmental Manager

cc: Tom Harris
Dave Roderick
Joe Warr
John Goodrich

NOTICE OF PUBLICATION
STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is heregy given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(BW-01) - Conoco, Inc., Jerry W. Hoover, 10 Desta Drive, Suite 100W, Midland, Texas, 79705, has submitted a renewal application for the previously approved discharge plan for their insitu extraction brine well facility located in the SW/4 nw/4, Section 2, Township 20 South, Range 38 East, NMPM, Lea County, New Mexico. Fre[illegible] concentration of approximately 600 mg/1. The discharge plan addresses how spills, leaks, and other accidental discharges tot he surface will be managed.

(GW-001) - Bloomfield Refining Company, Chris Hawley, Environmental Manager, P.O. Box 159, Bloomfield, New Mexico 87413, has submitted an application for the renewal of a discharge plan for the Bloomfield Refinery located in the NW/4 Ne/4 and the S/2 NE/4 and the N/2 NE/4 SE/4 of Section 27, and the NE/4 SW/4 of Section 28, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 115,200 gallons per day of process waste water with a total dissolved solids concentration of approximately 13,600 mg/1 is disposed of in a UIC-permitted non-hazardous Class I disposal well. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth from 10 to 50 feet with a total dissolved solids concentration of approximately 4400 mg/1. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed, as well as disposal of waste oil and solid wastes.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the director determines there is a significant public interest.

If no hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 5th day of April 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/WILLIAM J. LEMAY, Director

Journal: April 15, 1994

STATE OF NEW MEXICO
County of Bernalillo ss

Bill Tafoya being duly sworn declares and says that he is Classified Advertising manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being on the 15 day of Apr, 1994, and the subsequent consecutive publications on _____, 1994

Bill Tafoya

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 15 day of, Apr 1994.

OFFICIAL SEAL
Bernadette Ortiz
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission expires 1-31-98

PRICE $59.80

Statement to come at end of month.

CLA-22-A (R-1/93) ACCOUNT NUMBER C81184

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

February 4, 1993

Mr. Charles Gholson
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. Roger Anderson
New Mexico OCD
Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Dear Sirs:

Attached is a subsequent notification of a spill that occurred at Bloomfield Refining Company on February 4, 1993. Approximately 45 barrels of reformate was spilled inside a tank dike. The spilled material was immediately recovered by vacuum truck.

Please call me if you need additional information.

Sincerely,

Chris Hawley
Environmental Manager

CH/jm

Enclosure

cc: Dave Roderick
Joe Warr
John Goodrich
Chad King

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR Bloomfield Refining Company					ADDRESS P. O. Box 159, Bloomfield, New Mexico 87413		
REPORT OF	FIRE	BREAK	SPILL X	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY Bloomfield Refining Company							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK Immediately south of Bloomfield, New Mexico							
DATE AND HOUR OF OCCURENCE 2/4/93, 6:30 a.m.					DATE AND HOUR OF DISCOVERY 2/4/93, 6:45 a.m.		
WAS IMMEDIATE NOTICE GIVEN?	YES X	NO	NOT REQUIRED		IF YES, TO WHOM Frank Chavez		
BY WHOM Chris Hawley					DATE AND HOUR 2/4/93, 1:30 p.m.		
TYPE OF FLUID LOST Reformate					QUANTITY OF SPILL 45 bbls	QUANTITY RECOVERED 43 bbls	LOSS 2 bbls
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Operator error, overran tank #5.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

Filled water draw sump (12 bbls), rest contained inside tank dike. Called out vacuum truck to recover spill. Most of loss by evaporation.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY	SANDY LOAM X	CLAY	ROCKY	WET X	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

Clear, still, about 25°F.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED [signature] TITLE Environmental Manager DATE 2/4/93

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

'91 MAR 2 AM 9 08

March 18, 1991

Mr. Charles Gholson
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. David Boyer
Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Attached is a subsequent notification of a spill that occurred at Bloomfield Refining Company on March 8, 1991. Approximately 180 barrles of Jet A (kerosene) were spilled inside a tank dike. The spilled material was immediately recovered by vacuum truck.

Please call me if you need additional information.

Sincerely,

Chris Hawley
Environmental Engineer

CH/jm

Enclosure

cc: Richard Traylor
Gerald Collins
Chad King
Joe Warr
John Goodrich

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR Blomfield Refining Company					ADDRESS P. O. Box 159, Bloomfield, N.M. 87413		
REPORT OF	FIRE	BREAK	SPILL X	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY Bloomfield Refining Company							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles south of center of Bloomfield, N.M.							
DATE AND HOUR OF OCCURENCE 3/8/91 at 10:30 p.m.					DATE AND HOUR OF DISCOVERY 3/8/91 at 10:30 p.m.		
WAS IMMEDIATE NOTICE GIVEN?	YES X	NO	NOT REQUIRED		IF YES, TO WHOM Bill Gholson		
BY WHOM Chris Hawley					DATE AND HOUR 3/11/91 at 10:41 a.m.		
TYPE OF FLUID LOST Jet A (Kerosene)					QUANTITY OF SPILL 180 BBL	QUANTITY RECOVERED 120 BBL	LOSS 60 BBL
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

While transferring Jet A (kerosene) from tank 5 to tank 26, tank 26 was overfilled. The problem was caused by failure of the operator to properly monitor the transfer. The operator was given disciplinary action and counseling in accordance with company policy.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The spill occurred at tank 26 and was inside the tank dike. A vacuum truck was immediately called to vacuum up the spill. The acutal loss is probably overstated based on the soil condition after spill removal. The actual loss was estimated from tank gauges.

DESCRIPTION OF AREA	FARMING	GRAZING		URBAN	OTHER* Industrial		
SURFACE CONDITIONS	SANDY	SANDY LOAM X	CLAY	ROCKY	WET X	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

The weather was clear, windy, and about 35°F. There was no precipitation that day, but the soil inside the tank dike was still wet from previous rainfall.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Chris Hawley TITLE Environmental Engineer DATE March 20, 1991

SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR Blomfield Refining Company					ADDRESS P. O. Box 159, Bloomfield, N.M. 87413		
REPORT OF	FIRE	BREAK	SPILL	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY Bloomfield Refining Company							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W
COUNTY San Juan							
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles south of center of Bloomfield, N.M.							
DATE AND HOUR OF OCCURENCE 3/8/91 at 10:30 p.m.					DATE AND HOUR OF DISCOVERY 3/8/91 at 10:30 p.m.		
WAS IMMEDIATE NOTICE GIVEN?	YES X	NO	NOT REQUIRED		IF YES, TO WHOM Bill Gholson		
BY WHOM Chris Hawley					DATE AND HOUR 3/11/91 at 10:41 a.m.		
TYPE OF FLUID LOST Jet A (Kerosene)					QUANTITY OF SPILL 180 BBL	QUANTITY RECOVERED 120 BBL	LOSS 60 BBL
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

RECEIVED
MAR 21 1991
OIL CON. DIV.
DIST. 3

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

While transferring Jet A (kerosene) from tank 5 to tank 26, tank 26 was overfilled. The problem was caused by failure of the operator to properly monitor the transfer. The operator was given disciplinary action and counseling in accordance with company policy.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The spill occurred at tank 26 and was inside the tank dike. A vacuum truck was immediately called to vacuum up the spill. The acutal loss is probably overstated based on the soil condition after spill removal. The actual loss was estimated from tank gauges.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY	SANDY LOAM X	CLAY	ROCKY	WET X	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

The weather was clear, windy, and about 35°F. There was no precipitation that day, but the soil inside the tank dike was still wet from previous rainfall.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Chris Hawley TITLE Environmental Engineer DATE March 20, 199

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

RECEIVED

SEP - 1 1989

OIL CONSERVATION DIV.
SANTA FE

August 28, 1989

Mr. Charles Gholson
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. David Boyer
Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Attached is a subsequent notification of a spill that occurred at Bloomfield Refining Company on August 27, 1989. Approximately 100 barrels of gasoline blend intermediate and water were spilled inside a tank dike. The spilled material was immediately recovered by vacuum truck.

Please call me if you need additional information.

Sincerely,

Chris Hawley
Environmental Engineer

CH/jm

Enclosure

cc: Richard Traylor
Mike Macy
Chad King
Joe Warr

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR	Bloomfield Refining Company				ADDRESS	P. O. Box 159, Bloomfield, New Mexico 87413	
REPORT OF	FIRE	BREAK	SPILL X	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY	Bloomfield Refining Company						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK	2 miles south of center of Bloomfield, N.M.						
DATE AND HOUR OF OCCURENCE	3:30 p.m. to 5:00 p.m., 8/27/89				DATE AND HOUR OF DISCOVERY	5:00 p.m., 8/27/89	
WAS IMMEDIATE NOTICE GIVEN?	YES X	NO	NOT REQUIRED		IF YES, TO WHOM	Charles Gholson	
BY WHOM	Chris Hawley				DATE AND HOUR	10:35 a.m., 8/28/89	
TYPE OF FLUID LOST	Gasoline Blend Intermediate/Water				QUANTITY OF SPILL	100 bbls	QUANTITY RECOVERED 99+ bbls	LOSS Small amt. to evap.
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Water draw to sump was opened and left unattended. The sump pump block valve was closed (operator should have opened it) causing the sump to overflow. The cause was operator error. The operator will be counseled.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

Maintenance was called out to vacuum up the spill. The spill occurred at tank 22 and was inside the tank dike.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY	SANDY LOAM X	CLAY	ROCKY	WET	DRY X	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

Warm and dry, about 80°F.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Chris Hawley TITLE ENVIRONMENTAL ENGINEER DATE 8-30-89

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

September 18, 1987

Mr. Frank Chavez
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. David Boyer
Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Attached is a subsequent notification of a minor spill of 10 barrels of slop oil that occurred at Bloomfield Refining Company on September 12, 1987. The spill was contained inside a diked area and immediately cleaned up, resulting in little or no loss.

Please call me if you need additional information.

Sincerely,

Chris Hawley
Environmental Engineer

CH/jm

Attachment

cc: Richard Traylor
Chad King
Mike Macy

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR	Bloomfield Refining Company				ADDRESS	P. O. Box 159, Bloomfield, N.M. 87413	
REPORT OF	FIRE	BREAK	SPILL X	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY	Bloomfield Refining Company						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK	2 miles south of Bloomfield, New Mexico						
DATE AND HOUR OF OCCURENCE	September 12, 1987 at 8:30 p.m.				DATE AND HOUR OF DISCOVERY	September 12, 1987 at 8:30 p.m.	
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED X		IF YES, TO WHOM		
BY WHOM					DATE AND HOUR		
TYPE OF FLUID LOST	Slop Oil				QUANTITY OF LOSS	0	VOLUME RECOVERED	10 barrels
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Failure to closely monitor Tank #9 (API slop tank) for level resulting in overflow. Operator talked to about the incident. Solutions to give Operators better warning or piping overflow to API being considered.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

Diked area near API separator affected. Oil cleaned up and returned to separator.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY	WET	DRY X	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

Dry, temperate day.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED [signature] TITLE Environmental Engineer DATE September 18, 1987

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

March 2, 1987

Mr. Frank Chavez
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. David Boyer
Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Attached is a notification of a spill of 290 barrels of regular gasoline that occurred at Bloomfield Refining Company on February 24, 1987. The spill occurred inside a tank dike.

Please call me if you need additional information.

Sincerely,

Chris Hawley
Environmental Engineer

CH/jm

Enclosure

cc: Richard Traylor
Mike Macy
Chad King

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR	Bloomfield Refining Company				ADDRESS	P.O. Box 159, Bloomfield, New Mexico 87413	
REPORT OF	FIRE	BREAK	SPILL X	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY	Bloomfield Refining Company						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK	2 miles south of Bloomfield, New Mexico						
DATE AND HOUR OF OCCURENCE	February 24, 1987 at 4:00 a.m. to 5:00 a.m.				DATE AND HOUR OF DISCOVERY	February 24, 1987 at 5:00 a.m.	
WAS IMMEDIATE NOTICE GIVEN?	YES X	NO	NOT REQUIRED		IF YES, TO WHOM	Official at Aztec office for Chavez	
BY WHOM	Chris Hawley				DATE AND HOUR	March 2, 1987 at 11:00 a.m.	
TYPE OF FLUID LOST	Regular Gasoline				QUANTITY OF LOSS	5 bbl	VOLUME RECOVERED 285 bbl
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Problem was caused by operator error in making a blend of regular gasoline. The blend component, base gas, was dialed into the blend meter at 5075 instead of 3075 and subsequent indirect information about the blend problems was not investigated. The operator was

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN** counseled by supervision. A warning sign will be posted to remind pumpers to check blends thoroughly and instrumentation is being reviewed for changes. The gasoline was contained in the tank dike. Water was added to float the gasoline, subsequently picked up by vacuum truck.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY	WET X	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

The area was saturated from recent rain. The temperature was below freezing.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED [signature] TITLE Environmental Engineer DATE March 2, 1987

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

July 25, 1986

Mr. Frank Chavez
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. David Boyer
Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Attached is a subsequent notification of a minor spill of 20 barrels of naphtha that occurred at Bloomfield Refining Company on July 24, 1986. The spill occurred inside a tank dike. Immediate action was taken to clean up the spill, resulting in a minimal loss.

Please call me if you need additional information.

Sincerely,

Chris Hawley
Environmental Engineer

CH/jm

Enclosure

Cc: Richard Traylor
Mike Macy
Chad King

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR	Bloomfield Refining Company				ADDRESS	P. O. Box 159, Bloomfield, New Mexico 87413	
REPORT FIRE	BREAK	SPILL X	LEAK	BLOWOUT	OTHER*		
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY	Bloomfield Refining Company						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK	2 miles south of Bloomfield, New Mexico						
DATE AND HOUR OF OCCURENCE	July 24, 1986 at 7:00 a.m.				DATE AND HOUR OF DISCOVERY	July 24, 1986 at 7:20 a.m.	
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED X		IF YES, TO WHOM		
BY WHOM					DATE AND HOUR		
TYPE OF FLUID LOST	Naphtha				QUANTITY OF LOSS	< 1 barrel	VOLUME RECOVERED	20 barrels
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Naphtha was being gravitated from one tank into another tank. A drain valve, about 1 foot up from the bottom of the second tank, was left open. About 20 barrels went to grade before the open valve was discovered and closed. The Operator was counseled by supervision.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The spill occurred inside a tank dike and was immediately cleaned up by vacuum truck.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY	WET X	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

The area was saturated from recent rainfall, therefore, a minimal amount of naphtha soaked into the soil. The morning was cool and clear.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED	TITLE	DATE
	Environmental Engineer	July 25, 1986

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

July 11, 1986

Mr. Frank Chavez
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. David Boyer
Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Attached is a subsequent notification of a minor spill of 10 barrels of light natural gasoline that occurred at Bloomfield Refining Company on July 5, 1986. Please call me if you need addtional information.

Sincerely,

Chris Hawley
Environmental Engineer

CH/jm

Enclosure

Cc: Richard Traylor
Mike Macy
Chad King

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR Bloomfield Refining Company					ADDRESS P. O. Box 159, Bloomfield, New Mexico 87413		
REPORT OF	FIRE	BREAK	SPILL X	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY Bloomfield Refining Company							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles south of Bloomfield, New Mexico							
DATE AND HOUR OF OCCURENCE July 5, 1986 at 6:45 p.m.					DATE AND HOUR OF DISCOVERY July 5, 1986 at 6:45 p.m.		
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED X		IF YES, TO WHOM		
BY WHOM					DATE AND HOUR		
TYPE OF FLUID LOST Light Natural Gasoline					QUANTITY OF LOSS 2 bbls		VOLUME RECOVERED 8 bbls
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Improper hookup for truck unloading. Driver was made aware of the proper procedure and why the spill occurred.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

Light natural was vacuumed up with vacuum truck and the area was washed down.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial			
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY	WET	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

Summer day.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED [signature] Environmental Engineer TITLE July 11, 1986 DATE

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR Bloomfield Refining Company					ADDRESS P. O. Box 159, Bloomfield, NM 87413		
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY Bloomfield Refining Company							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles south of Bloomfield, New Mexico							
DATE AND HOUR OF OCCURENCE 7:00 p.m. 4/8/86 to 7:40 a.m.4/9/86					DATE AND HOUR OF DISCOVERY 7:40 a.m. on 4/9/86		
WAS IMMEDIATE NOTICE GIVEN?	YES X	NO	NOT REQUIRED		IF YES, TO WHOM Frank Chavez		
BY WHOM Chris Hawley					DATE AND HOUR 4/9/86, 9:45 a.m.		
TYPE OF FLUID LOST Diesel					QUANTITY OF LOSS 150 BBL	VOLUME RECOVERED 50 BBL	
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

RECEIVED
APR 11 1986
OIL CON. DIV.
DIST. 3

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

New 6" diesel rundown line was installed and put in service at 7:00 p.m. on 4/8/86. Two 6" flanges were not tightened properly and leaked. When leak was found at 7:40 a.m. on 4/9/86, diesel rundown was rerouted to slop, the flanges were tightened and the line to storage was thoroughly checked for more problems. The line was back in service after 20 minutes.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The leak was in the low piperack just east of the crude unit. Immediately upon detection, the vacuum truck was used to recover pooled diesel and sand was added to eliminate fire hazard. Because of the slow and long duration of the leak, a substantial amount of the spill soaked into the soil. The area is not accessible for soil removal.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Industrial - Under piperack			
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY	WET	DRY X	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

The temperature during the night was in the 30 to 40° range. The weather was clear.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Chris Hawley TITLE Environmental Engineer DATE 4/9/86

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR	Bloomfield Refining Company				ADDRESS	P. O. Box 159, Bloomfield, New Mexico 87413	
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY	Bloomfield Refining Company						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. 27	TWP. T29N	RGE. R11W	COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK	2 miles south of Bloomfield, New Mexico						
DATE AND HOUR OF OCCURENCE	1:30 p.m. on May 19, 1985				DATE AND HOUR OF DISCOVERY	1:35 p.m. on May 19, 1985	
WAS IMMEDIATE NOTICE GIVEN?	YES	NO X	NOT REQUIRED		IF YES, TO WHOM	-----	
BY WHOM	-----				DATE AND HOUR	-----	
TYPE OF FLUID LOST	Diesel Fuel				QUANTITY OF LOSS	80 bbls	VOLUME RECOVERED 60 bbls
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

RECEIVED
MAY 21 1985
OIL CON. DIV.
DIST. 3

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

The bottom of Tank No. 19 (diesel sales) developed a leak (approximately 80 gallons per minute). This was probably due to long-term corrosion to bottom of tank. Product make into the tank was immediately taken out. Diesel sales were temporarily shut down. Water was - (See attached sheet)

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The leak occurred inside the tank dike area.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Inside tank dike.			
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY	WET	DRY X	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

Temperature was approximately 75°F with light winds from northwest. The sky was cloudy with some precipitation.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Chuck King TITLE Operations Superintendent DATE May 20, 1985

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

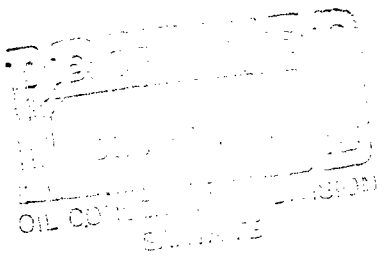
pumped into the tank so water would leak instead of hydrocarbon. A small pit was dug to contain leak and a vacuum truck used to pump pit out. These actions were done within one hour of discovery of the leak.

Piping modifications were done to allow contents of this tank to be pumped to another tank. Diesel sales were started. Water level will be maintained until tank is empty and vacuum truck will continue to recover water from pit. These actions are on-going.

Oil spill report

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

November 14, 1984



RECEIVED
NOV 16 1984
OIL CON. DIV.
DIST. 3

Mr. Frank Chavez
Oil Conservation Division
State of New Mexico
1000 Rio Brazos
Aztec, New Mexico 87410

Dear Frank:

This letter is notification that a hydrocarbon spill occurred at this refinery on November 7, 1984 at approximately 12:15 p.m. As I mentioned in our conversation on November 8th, the spilled product was naphtha out of a storage tank. A total of 880 bbls. of product spilled and was contained in the tank dike. 800 bbls. of this product was recovered and returned to our system.

If you need more information, please contact me.

Sincerely,

Chad King
Operations Supervisor

CK/jm

cc: Paul Liscom

PLATEAU, INC.

P.O. BOX 26251
ALBUQUERQUE, N.M. 87125-6251
PHONE 505/262-2221

March 29, 1984

Mr. Joe Ramey, Director
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

Dear Mr. Ramey:

On March 27, 1984, the Plateau refinery in Bloomfield, New Mexico, had a spill occur in the tank farm. The spill amounted to 400 barrels. We were able to recover all but 20 barrels. Immediate action was taken to clean up the spill; a subsequent telephone notification was given within 24 hours to yourself. Enclosed please find the completed report for notification of fire, leaks, breaks, spills and blowouts. If you have further questions, feel free to contact me.

Sincerely,

Dwight J. Stockham

Dwight J. Stockham
Associate Environmental Engineer

DJS/rm

cc: P. W. Liscom
G. A. Masson
Ernie Busch - Oil Conservation Division
1000 Rio Brazos Boulevard
Aztec, New Mexico 87410

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR	Plateau, Inc.				ADDRESS	P.O. Box 159, Bloomfield, NM 87413	
REPORT OF	FIRE	BREAK	SPILL XXXX	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY xxx	OTHER*
NAME OF FACILITY	Bloomfield Refinery						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC.	TWP.	RGE. / COUNTY
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK							
DATE AND HOUR OF OCCURENCE	3/27/84 9:30 pm				DATE AND HOUR OF DISCOVERY	3/27/85 10:00 pm	
WAS IMMEDIATE NOTICE GIVEN?	YES	NO xxx	NOT REQUIRED		IF YES, TO WHOM		
BY WHOM					DATE AND HOUR		
TYPE OF FLUID LOST	unleaded gasoline				QUANTITY OF LOSS	20 bbls	VOLUME RECOVERED 380 bbls
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO xxx	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

The cause of the problem was due to operator error. The operator will pay closer attention to his duties to remedy this situation.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The area affected was inside a tank dike on refinery property. A vacuum truck was used to pick up the spill.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* refinery property			
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY	WET xxxx	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

clear skies, temperature 25°F

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Dwight J. Stockton TITLE Assoc Environ Engin DATE 3/28/84

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

RECEIVED
APR - 2 1984
OIL CONSERVATION DIVISION
SANTA FE

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary

July 12, 1989

JUL 18 1989
OIL CONSERVATION DIV.
SANTA FE

Mr. David G. Boyer
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
P. O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RE: Site Inspection Responses

Responses to your site inspection comments as detailed in your letter dated May 8, 1989, are as follows:

A. 1. The below grade sump next to the caustic storage area has not been in service for many years. It was removed on May 17, 1989.

2. The transfer pump at poly gasoline tank number 5 is, like all pumps, subject to seal failure. When this occurs, repairs are made as promptly as possible. Since the concrete pedestal needs to float free of any paving, it would not be practical to add any curbed paving around the pump pedestal. As a solution to contain any future leaks from seal failure of this particular pump, a work order has been written to equip the pedestal with a metal rim that will work like a pan to contain leaks. An overflow line from the pan to the nearest sump can be added if it is determined to be required. The work should be completed by August 31, 1989.

3. The drum storage area between tanks 3 and 4 is used for the addition of DuPont Stadis 450 conductivity improver and Nalco 5403 corrosion inhibitor to our product, JP-4. A small, uncurbed concrete slab is currently used for this activity. A work order, with a scheduled completion date of August 31, 1989 has been written to enlarge this work area and to add curbing to fully contain the drums on concrete. Additionally, the work will include cleanup of the area. The cleanup will also include removal of hydrocarbon stained soil around the pump at tank number 5.

4. The cooling tower will be scheduled for a careful inspection of the drift eliminators this winter. They will be cleaned and repaired or modified as is necessary and/or practical. Leaks from the basin cracks did not appear to be that bad when inspected on July 10, 1989, but we will try to find a way to fix them during the winter inspection.

5. The bolted tanks 20 and 21 have very minor seam leaks. Normally the tanks do not contain much material as they are used for FCC slop. BRC believes that the leaks are insignificant and the staining on the sides of the tanks have occurred over a long period of time. The tanks are currently

at the top of our inspection list and will be internally inspected at the earliest opportunity. Our long-term plans are to replace all bolted tanks, but we are not in a position to commit to a schedule at this time.

6. Tank 22 is scheduled for an internal inspection in January, 1990. A work order has been submitted, with a scheduled completion date of August 31, 1989, to remove the stained soils. Operations has been asked to improve their operational procedures at this tank to avoid spills.

7. The product loading rack is set up to shut down any time that a truck has a high level (overflow). Most of the staining in the gravel area results from washdown activities. We feel that our loading operation is very good. If this problem persists, we will consider paving of the graveled area.

8. The diesel fueling area in the old truck maintenance yard was recently equipped with a new aboveground diesel tank to replace the underground tank. Incidently, the underground tank was in excellent shape and had no leaks. In filling the new tank some diesel is spilled when disconnecting the hoses. Superficial diesel staining has occurred. We are evaluating the problems, but have not yet formulated a plan. We anticipate that training will solve "most of the problem", but may need to install some sort of sump. Paving will also be considered.

9. All tank sumps are checked daily and emptied as required. Tank 28 was cleaned and inspected in late 1988. This included extensive movement of material through the sumps. Also, the work included installation of a new cleanout manway, roof drain, foam nozzle, and mixer. All these activities contributed to some housekeeping problems. A work order has been written for an August 31, 1989 completion to clean the area. Our sump inspection program should be adequate to prevent overflowing in the future.

10. The oil spill at tank 17 was a freak occurrence. It resulted when a check valve failed on an old incoming firefighting foam line and, coupled with an overfilled tank, resulted in some reduced crude backflowing through the line. A work order is pending to remove the line. The area has been cleaned. The pump seal has been repaired and a work order has been written to put containment around the pump pedestal. The work is scheduled to be completed by August 31, 1989.

11. The burner fuel loading area frequently has spills that are just as frequently cleaned up. Burner fuel is a very heavy material that generally will not soak into the ground, therefore, the spill problem is only superficial. We have made plans to improve housekeeping in this area with the installation of paving and curbing to control spills. Quotes are currently being received. If the budget allows, this project will be completed by the fall of this year.

12. Monitor well 2 has been removed and the hole backfilled and compacted.

13. The sump was used as part of a system, the downstream components have been removed, to divert stormwater away from the maintenance building. The sump will be removed or filled by August 31, 1989 as part of a work order to improve drainage around the south side of the building.

B. We need additional time to evaluate the question of integrity testing of flow through sumps. The API pond pump sump can be visually inspected if emptied, but will need some additional planning to set this up. Water draws are emptied daily. Valve sumps are dry.

C. We will follow the proper permitting procedure for any future landfill sites.

We remain committed to making our facility as environmentally sound as practical and welcome your suggestions. Regardless of our permit status, we will remain open to any discussions in these matters. Please feel free to call me or Chris Hawley anytime.

Sincerely yours,

R W Traylor

Richard Traylor
Refinery Manager

RT/jm

cc: Chris Hawley
Joe Warr
Tom Harris
Mike Macy

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
1703(019)

APR 06 1988

Mr. Chris Hawley
Gary Energy
89 Road 4990
Bloomfield, NM 87413

Dear Mr. Hawley:

A field inspection on portions of Hammond Ditch located on public lands adjacent to your Bloomfield plant was completed on March 30, 1988. Hydrocarbons were found in the ditch waters that are bermed up around your facilities to maintain hydrostatic pressure on the petroleum products located beneath the site. In addition, areas believed to be soil sampling sites in the bottom of the dry portions of the ditch west of your plant were also observed.

It is important that the BLM be notified of any possible contamination on public lands. Any clarification or information you can give us concerning the studies being conducted at your plant site will be appreciated. Please contact Bob Moore at 327-5344.

Sincerely,

for Ron Fellows
Area Manager

cc:William Lemay
Frank Chavez

$$\frac{ft^3}{day} \times \frac{7.48\ gal}{ft^3}$$

$$10^{-4}\ \frac{ft}{sec} \times \frac{86400\ sec}{day} = 8.64\ ft/day \quad \checkmark$$

$$= 64\ g/ft^2$$

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
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Sincerely,

for Ron Fellows
Area Manager

cc:William Lemay
Frank Chavez

RECEIVED
APR 07 1988
OIL CON. DIV.
DIST. 3

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

March 14, 1988

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Chris Hawley
Bloomfield Refining Company
P. O. Box 159
Bloomfield, New Mexico 87413

RE: Removal of Water from Hammond Ditch

Dear Mr. Hawley:

By letter dated February 8, 1988 you were directed to remove the accumulated ditch water from Hammond Ditch adjacent to the refinery prior to reopening of the ditch for irrigation water. This is expected to occur about April 11 or 12. The purpose of this was to prevent poor quality water from moving downstream and impacting farmers or entering the San Juan River. On March 7, we received the results (enclosed) of the testing for dissolved organic hydrocarbons and found none detected at the 10 ppb level. Although the Hammond Conservancy District had originally agreed to accept some water, Mr. Nick Ashcroft, the District's board president, informed me on March 11 that the board subsequently decided not to receive the stored water. Therefore Bloomfield Refinery must comply with our February 8 letter modified as follows:

1. Gary Bloomfield Refinery is authorized to pump ditch water into the wastewater system for treatment and disposal.

2. Water remaining in the ditch after pumping, especially water containing any floating oil, must be vacuumed for discharge to the refinery's oil water separator. Any oily debris must also be removed.

3. After the water has been removed and the ditch cleaned, the earthen dam may be removed. Please work with the Conservancy District so that the dam is removed prior to ditch opening, but not before the District has completed repair work to the ditch at the Highway 44 crossing. You should contact Mr. Jimmy Allen (632-3043) to coordinate ditch work activity.

Jami Bailey of my staff will inspect the ditch on April 8.

Sincerely,

David G. Boyer, Chief
Environmental Bureau

DGB:sl

cc: OCD - Aztec
Nick Ashcroft, Hammond Conservancy District

SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 841-2570

HEALTH & ENVIRONMENT — STATE OF NEW MEXICO

CC66 C

REPORT TO: David Boyer
N.M. Oil Conservation Division
P. O. Box 2088
Santa Fe, N.M. 87504-2088

S.L.D. No. OR- 66 A-3
DATE REC. 1-28-88
PRIORITY 3

PHONE(S): 327-5812 USER CODE: 8 2 2 3 5
SUBMITTER: David Boyer CODE: 2 6 0

SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) 8 8 0 1 2 6 1 4 5 5 A K E

SAMPLE TYPE: WATER [X], SOIL [ ], FOOD [ ], OTHER: ______ CODE: ______

COUNTY: San Juan ; CITY: Bloomfield CODE: ______

LOCATION CODE: (Township-Range-Section-Tracts) 29 N + 1 1 W 2 7 + 1 4 4 (10N06E24342)

ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required.

PURGEABLE SCREENS

- [ ] (753) Aliphatic Purgeables (1-3 Carbons)
- [X] (754) Aromatic & Halogenated Purgeables
- [ ] (765) Mass Spectrometer Purgeables
- [ ] (766) Trihalomethanes

Other Specific Compounds or Classes
- [ ] ______
- [ ] ______
- [ ] ______
- [ ] ______
- [ ] ______

EXTRACTABLE SCREENS

- [ ] (751) Aliphatic Hydrocarbons
- [ ] (760) Organochlorine Pesticides
- [ ] (755) Base/Neutral Extractables
- [ ] (758) Herbicides, Chlorophenoxy acid
- [ ] (759) Herbicides, Triazines
- [ ] (760) Organochlorine Pesticides
- [ ] (761) Organophosphate Pesticides
- [ ] (767) Polychlorinated Biphenyls (PCB's)
- [ ] (764) Polynuclear Aromatic Hydrocarbons
- [ ] (762) SDWA Pesticides & Herbicides

Remarks: ______

FIELD DATA:

pH= ✓ ; Conductivity= 230 umho/cm at 2 °C; Chlorine Residual= ____ mg/l

Dissolved Oxygen= ____ mg/l; Alkalinity= ____ mg/l; Flow Rate ____ ____/____

Depth to water ____ ft.; Depth of well ____ ft.; Perforation Interval ____-____ ft.; Casing: ____

Sampling Location, Methods and Remarks (i.e. odors, etc.) Broke 6-8" of ice, Hydrocarbon odor, Gary Bloomfield Refinery - Hammond Ditch Approx 100 upstream Sullivan Rd Bridge. Sample from center of ditch. Stream several feet downstream from oil seep

I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): D G Boyer Method of Shipment to the Lab State Car

This form accompanies 2 Septum Vials, ____ Glass Jugs, and/or ____ ______

Samples were preserved as follows:

- [ ] NP: No Preservation; Sample stored at room temperature.
- [X] P-Ice Sample stored in an ice bath (Not Frozen).
- [ ] P-$Na_2S_2O_3$ Sample Preserved with Sodium Thiosulfate to remove chlorine residual.

CHAIN OF CUSTODY

I certify that this sample was transferred from D. G. BOYER to Mary C. Eden

at (location) SLD on 1/28/88 9:45AM and that

the statements in this block are correct. Evidentiary Seals: Not Sealed [ ] Seals Intact: Yes [✓] No [ ]

Signatures D G Boyer Mary C. Eden

For OCD Use: Date Owner Notified ______ Phone or Letter? ______ Initials ______

ANALYSES PERFORMED

LAB. #: OR- 66

THIS PAGE FOR LABORATORY RESULTS ONLY

This sample was tested using the analytical screening method(s) checked below:

PURGEABLE SCREENS

- ☐ (753) Aliphatic Purgeables (1-3 Carbons)
- ☒ (754) Aromatic & Halogenated Purgeables
- ☐ (765) Mass Spectrometer Purgeables
- ☐ (766) Trihalomethanes

Other Specific Compounds or Classes

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

EXTRACTABLE SCREENS

- ☐ (751) Aliphatic Hydrocarbons
- ☐ (760) Organochlorine Pesticides
- ☐ (755) Base/Neutral Extractables
- ☐ (758) Herbicides, Chlorophenoxy acid
- ☐ (759) Herbicides, Triazines
- ☐ (760) Organochlorine Pesticides
- ☐ (761) Organophosphate Pesticides
- ☐ (767) Polychlorinated Biphenyls (PCB's)
- ☐ (764) Polynuclear Aromatic Hydrocarbons
- ☐ (762) SDWA Pesticides & Herbicides

ANALYTICAL RESULTS

COMPOUND(S) DETECTED	CONC. [PPB]	COMPOUND(S) DETECTED	CONC. [PPB]
aromatic purgeables	N.D.		
halogenated purgeables	N.D.		
* DETECTION LIMIT * ✳	10-5%	+ DETECTION LIMIT + +	

ABBREVIATIONS USED:

N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT

T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)

[RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION

LABORATORY REMARKS: _____

CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes ☐ No ☑ Seal(s) broken by: not sealed date: _____

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample.

Date(s) of analysis: 2/5/88. Analyst's signature: Mary C. Eden

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block.

Reviewers signature: K Meyer

Hauser Laboratories

August 19, 1982
Test Report No. 82-1420

AUG 26 1982

CLIENT: Plateau Inc.
P. O. Box 26251
Albuquerque, NM 87125
Attention: Dwight Stockham

P. O. No. B028899

MATERIAL: Water and soil samples obtained by the Oil and Conservation Division as listed in Table 1.

TESTING: Determination of inorganic and organic content of the water and soil samples following applicable EPA procedures as follows:

Water Testing	Source 1	Source 2
Sulfate	375.4	
Chloride	325.3	
Fluoride	340.1	
Oil and Grease	413.2	
Phenols	420.1	
Total Organic Carbon	415.1	
Total Dissolved Solids	160.1	
Cyanides	335.2	
Benzene		8.24
Toluene		8.24
Xylenes		8.24
Ethyl Benzene		8.24
O, M-cresol		8.25
Phenol		8.25
Aromatics/Aliphatics		8.25

Source 1: METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, EPA publication PB-297686.

Source 2: TEST METHODS FOR EVALUATING SOLID WASTES, EPA publication SW-846.

RESULTS: Results for the analyses are listed in Tables 2, 3 and 4.

Tests Conducted By:

Doyce T. Blair

Doyce T. Blair, Analytical Chemist/
Lab Supervisor

TABLE 1

Plateau no.	Description	date	Hauser no.
1	Hammond ditch water southwest of refinery	7-14	82-1151
2	No soil sample		
2	Water from pit south of refinery across Sullivan Road	7-14	82-1152
3	No soil sample		
3	Water from pit west of refinery across Hammond ditch	7-14	82-1153
4	API separator effluent	7-14	82-1154
5	Seep north of refinery below cliff at river	7-14	82-1155
6	Seep north of refinery below cliff	7-15	82-1156
7	Soil from bank of Hammond ditch below API ponds	7-15	82-1157
? 8	Water from pit in wash ~~west~~ EAST of refinery	7-15	82-1158

TABLE 2

Hauser no.	sulfate mg/liter	chloride mg/liter	flouride mg/liter	oil and grease mg/liter	phenols mg/liter
82-1151	30	40	0.2	0.8	<0.1
82-1152	65	205	0.5	---	---
82-1153	210	370	0.7	---	---
82-1154	230	260	0.9	8.0	1.4
82-1155	175	320	1.1	60	0.2
82-1156	85	215	0.2	---	---
82-1157*	125	109	0.6	---	---
82-1158	4750	1170	8.0	---	---

* A soil sample of 250grams was extracted with 100mls deionized water and the resultant extract anlyzed for the required parameters. Results were reported on a per total weight basis.

TABLE 3

Hauser no.	TOC mg/liter	TDS mg/liter	cyanides mg/liter
82-1151	18	5494	4
82-1152	---	----	---
82-1153	---	----	---
82-1154	149	1710	300
82-1155	90	5376	80
82-1156	---	----	---
82-1157*	---	----	---
82-1158	---	----	---

* A soil sample of 250grams was extracted with 100mls deionized water and the resultant extract anlyzed for the required parameters. Results were reported on a per total weight basis.

TABLE 4

Hauser no.	benzene mg/liter	toluene mg/liter	xylenes mg/liter	ethyl benzene mg/liter
H.D.TCH WATER				
82-1151	0.2	1.3	0.8	0.09
API 82-1154	5.3	3.7	0.3	0.03
Seep 82-1155	70.6	100.0	150.3	19.9
Seep 82-1156	ND	0.2	ND	ND

Hauser no.	o,m-cresol mg/liter	phenol mg/liter	aromatics/aliphatics mg/liter
82-1151	ND	ND	ND
API 82-1154	0.4	0.2	28
SEEP 82-1155	ND	ND	ND
SEEP 82-1156	ND	ND	ND
82-1157	---	---	15800

H.D.TCH SOIL

EXHIBIT #18 / 9

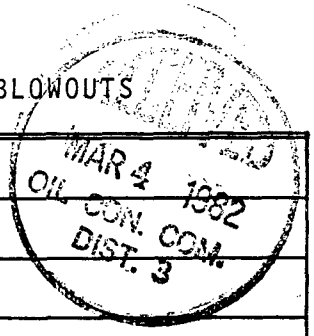
*Tabulated from Exhibit #19
of Hauser's Laboratory Results

RESULTS OF PLATEAU'S SIMULTANEOUS SAMPLING WITH OCD ON 7-14-82

ELEMENT	STANDARD	H. Ditch Sample 82-1151 Same Loc. as #C 7-14-82	Ground Water Sample 82-1152 Same Loc. as #B 7-12&14-82	Ground Water Sample 82-1153 Same Loc. as #A 7-12&14-82	API Separator 82-1154 Same Loc. as #D 7-14-82	SEEP 82-1155 Same Loc. as #E 7-14-82	SEEP 82-1156 Same Loc. as #F 7-14-82	Soil Sample 82-1157 Same Loc. as #G 7-14-82	Pit Sample 82-1158 No Sample Location
SO4	600	30	65	210	230	175	85	125	4750
CL	250	40	205	370	260	320	215	109	1170
F	1.6	0.2	0.5	0.7	0.9	1.1	0.2	0.6	8.0
Oil & Grease	None	0.8	NT	NT	8.0	60	NT	NT	NT
PHENOLS	0.005	<0.1	NT	NT	1.4	0.2	NT	NT	NT
TOC	None	18	NT	NT	149	90	NT	NT	NT
TDS	1000	5494	NT	NT	1710	5376	NT	NT	NT
CYANIDES	0.2	4	NT	NT	300	80	NT	NT	NT
BENZENE	0.01	0.2	NT	NT	5.3	70.6	ND	NT	NT
TOLUENE	15.0	1.3	NT	NT	3.7	100.0	0.2	NT	NT
XYLENES	Not Determined	0.8	NT	NT	0.3	150.3	ND	NT	NT
ETHYL BENZENE	Not Determined	0.09	NT	NT	0.03	19.9	ND	NT	NT
O/M CRESOL	None	ND	NT	NT	0.4	ND	ND	NT	NT
PHENOL	0.005	ND	NT	NT	0.2	ND	ND	NT	NT
AROMATIC & ALIPHATICS	None	ND	NT	NT	28	ND	ND	15,800	NT

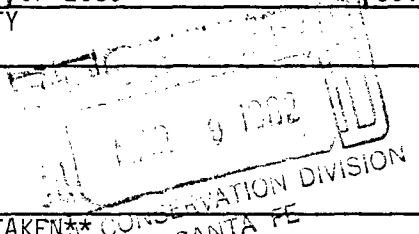
NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS



NAME OF OPERATOR	Plateau, Inc.				ADDRESS	P. O. Box 159	
REPORT OF	FIRE	BREAK	SPILL XXXXX	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY XXX	OTHER*
NAME OF FACILITY	Plateau, Inc.						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC. -------	TWP. ------	RGE. ------- COUNTY San Juan
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK	One Mile South of the City of Bloomfield						
DATE AND HOUR OF OCCURENCE	2/24/82 (2:00 a.m.)				DATE AND HOUR OF DISCOVERY	2/24/82 (2:00 a.m.)	
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED XXX		IF YES, TO WHOM		
BY WHOM					DATE AND HOUR		
TYPE OF FLUID LOST	Crude Oil				QUANTITY OF LOSS	5 BBLS	VOLUME RECOVERED 15 BBLS
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO XXX	QUANTITY				

IF YES, DESCRIBE FULLY**



DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

The cause of the problem was due to operator error. A valve was accidently left open at the crude unloading rack causing crude oil to spill onto the ground. The operator will pay closer attention to his duties to remedy this situation.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The area affected was the Plateau Refinery property (crude unloading), a front end loader and hand shovels were used to cleanup the spill.

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Refinery Property(crude unloadin			
SURFACE CONDITIONS	SANDY XXXXXX	SANDY LOAM	CLAY	ROCKY	WET XXXXX	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

The temperature was 35°F with no precipitation prevailing.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Dwight J. Stockham TITLE Assoc. Environ. Engr. DATE 2/25/82

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

NEW MEXICO OIL CONSERVATION COMMISSION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR	Plateau Refinery				ADDRESS	Box 159, Bloomfield, NM 87413	
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE	GASO PLNT	OIL RFY X	OTHER*
NAME OF FACILITY	Plateau Refinery						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)	S ½ of NE ¼				SEC. 27	TWP. 29N	RGE. 11W / COUNTY S.J.
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK	Approximately 2 miles south of Bloomfield - East on Hammond Road						
DATE AND HOUR OF OCCURENCE	Approximately 1/4/82				DATE AND HOUR OF DISCOVERY	Approximately 1/6/82	
WAS IMMEDIATE NOTICE GIVEN?	YES	NO X	NOT REQUIRED		IF YES, TO WHOM		
BY WHOM					DATE AND HOUR		
TYPE OF FLUID LOST	Diesel product				QUANTITY OF LOSS	Less than one barrel	VOLUME RECOVERED Same
DID ANY FLUIDS REACH A WATERCOURSE?	YES X	NO	QUANTITY Same				

IF YES, DESCRIBE FULLY**

It was found that a hydrocarbon appearing as diesel, was seeping into the Hammond irrigation ditch.

RECEIVED JAN 22 1982 OIL CONSERVATION DIVISION SANTA FE

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN** The problem appears to be caused by hydrocarbon spills occurring in the refinery area over the past 25 years. This has caused the ground to be saturated with the hydrocarbon and during periods of declining water table (such as when the water flow in the Hammond

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN** Approximately 1000 feet of the Hammond Ditch located north of the refinery was affected by this seep. The water and small amount of hydrocarbon in the ditch was immediately pumped out with a vacuum truck. The plan is to sink 36" diameter by 4' long conduit

DESCRIPTION OF AREA	FARMING	GRAZING	URBAN	OTHER* Refinery			
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY	WET X	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

The weather has been cold and wet during this period.

RECEIVED JAN 25 1982 OIL CON. COM. DIST. 3

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Kenneth W. Sanders TITLE General Mgr DATE 22 Jan 1982

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN (continued)

Ditch is cut off during winter), this hydrocarbon seeps to the lowest point, being the Hammond Ditch.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN (continued)

vertically at two places in the ditch. These will attract water and any hydrocarbon and will be pumped on a continual basis. Also, accidental hydrocarbon spills in the refinery area have been virtually eliminated.

Plateau is engineering a well to be placed in the area of the past spills. This will recover the oil in the spill area and should reduce the likelihood of the diesel migrating toward the Hammond irrigation ditch.

Grant Spill
12/4/98

North Across
Leak Site

Grant Spill
12/4/98
Facing North
Across Leak
Site

Grant Spill
12/4/98
Facing West
Across Leak
Site

Grant Spill
12/4/98

Facing west
Across Leak Site

Grant Spill
12/4/98
Facing South
Across Hammond
Ditch

<No.7A>017 23+00 ANANN-11AU 3021


13:49

Grant Spill
12/4/98
Facing South
Across Hammond
Ditch

Grant Spill
12/4/98
Hammond Ditch
Received
600 BW

Grant Spill
12/4/98

Seal Failure

Grant Sp. 11
1/12/99
Excavation

<No.16A>035 23+00 ANANN +8AU 3021

Grant Spill
1/12/99
Excavation
Facing SE

Grant Spoil
1/12/99

East #1 and
Bar Ditch

(No.18A)038 23+00 ANANN -8AU 3021


35
MPH

Grant Spill
1/12/99
East Along
Bar Ditch

<No.19A>040 23+00 ANANN-13RU 3021

Grant Spill
1/12/99
East along Curve

(No.20A)043 23+00 ANANN-13AU 3021

Grant Spill
1/12/99
wash at end of
curve N-Sullivan Rd

<No.21A>044 23+00 ANANN -SAU 3021

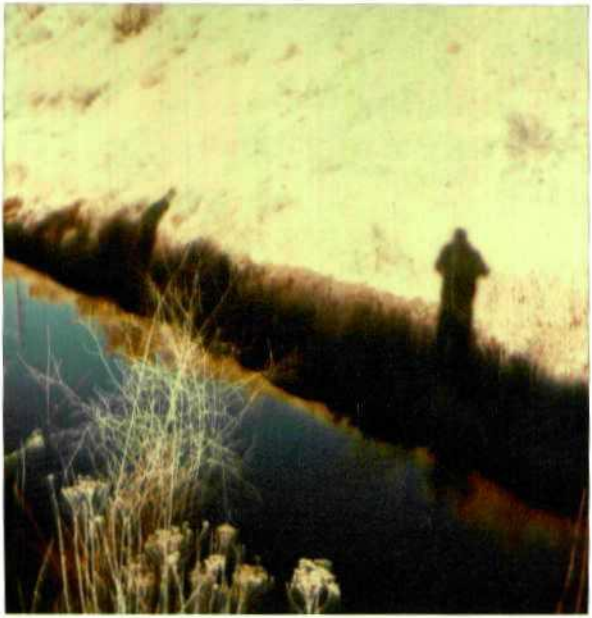
Grout. Spill
1/12/99
Dike in wash
South Sullivan Rd

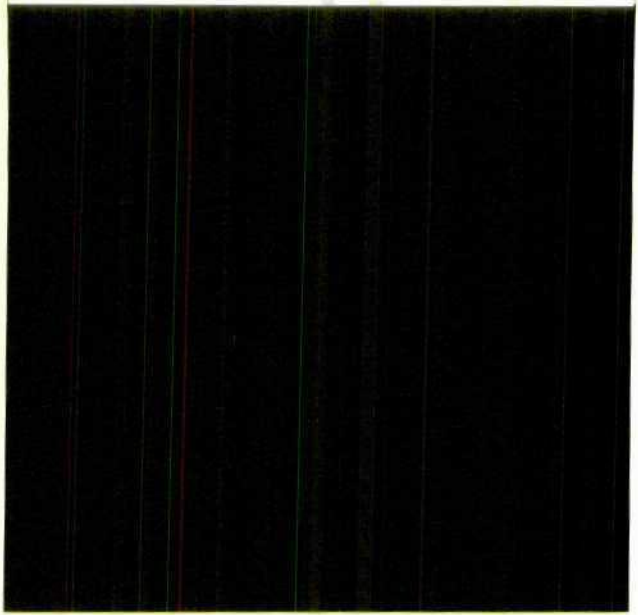
ENERGY and MINERALS DEPARTMENT

Oil Conservation Division
1000 Rio Brazos
Aztec, New Mexico 87410

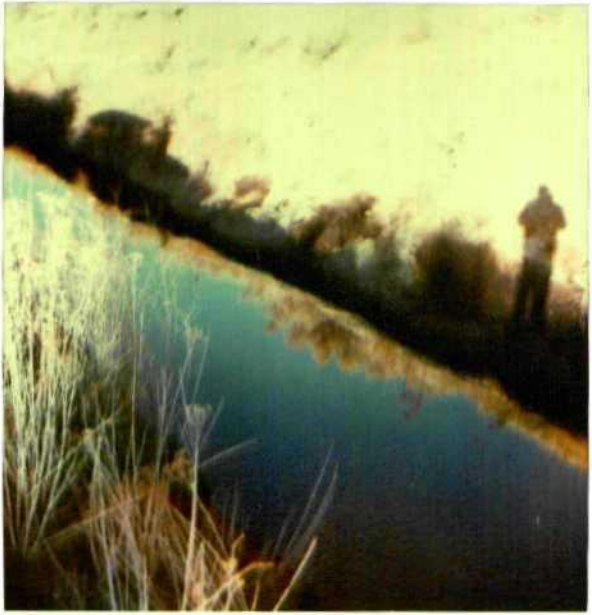
GARY Refining
1986 Ditch Photographs

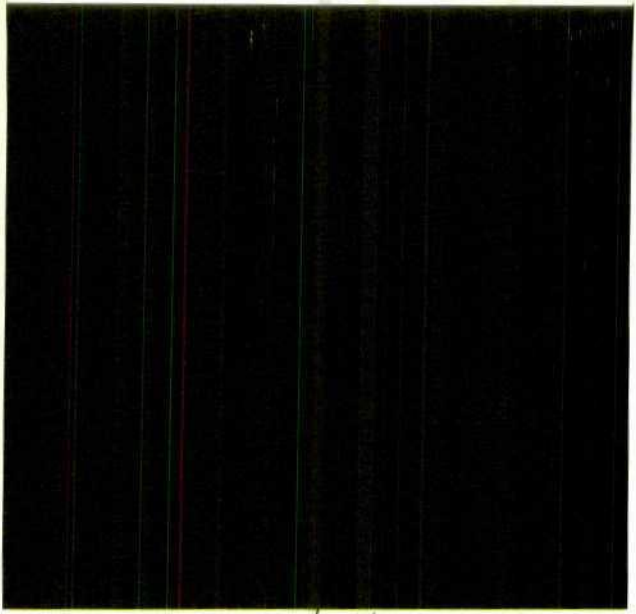
Oil Conservation Div.
P.O. Box 2088
Santa Fe, NM 87504-2088
Attn: Dave Boyer



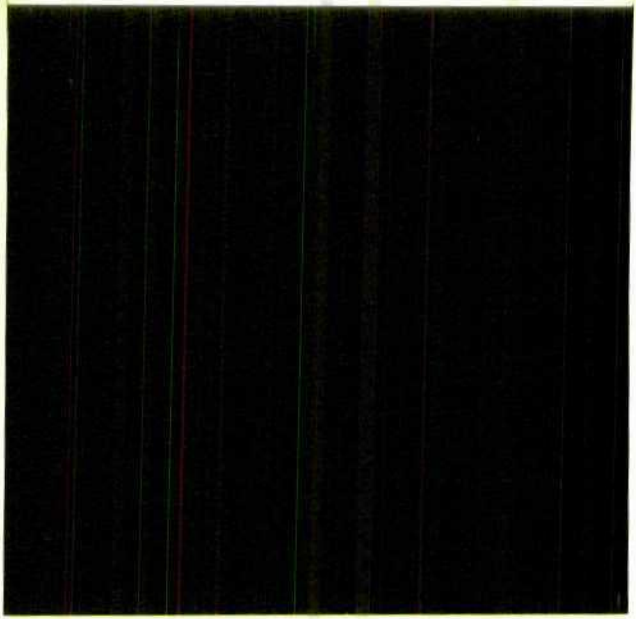


West Side - East Side
of Ditch 1/86

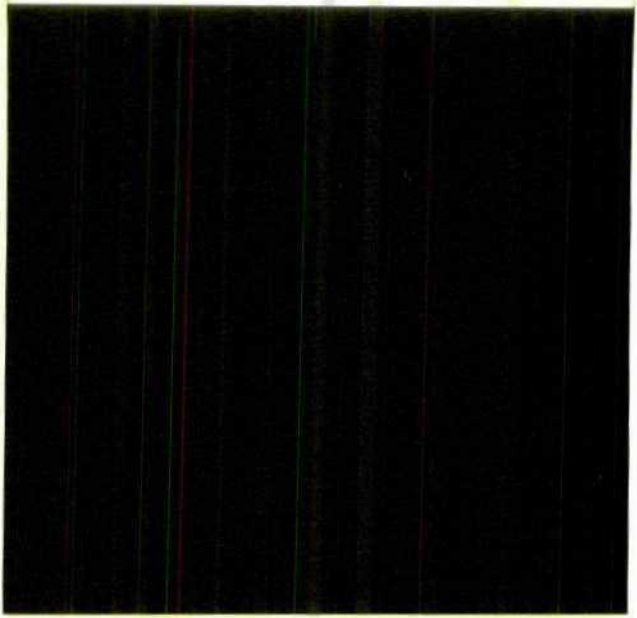




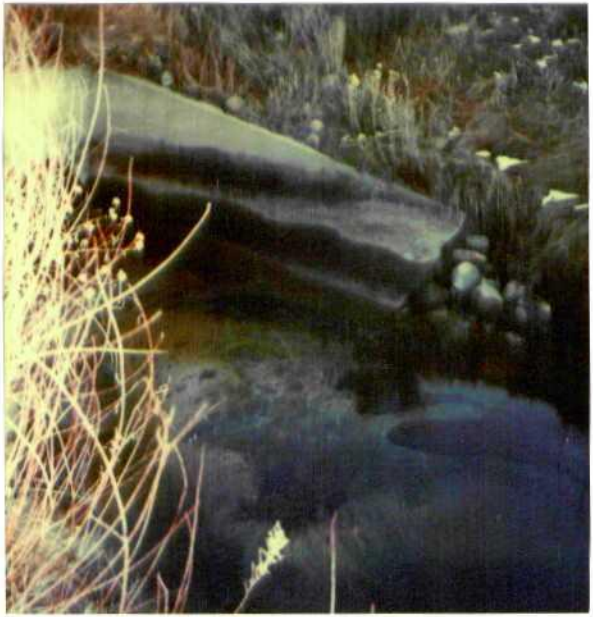
1/86
West Side - East Side
of Ditch Hammond Ditch

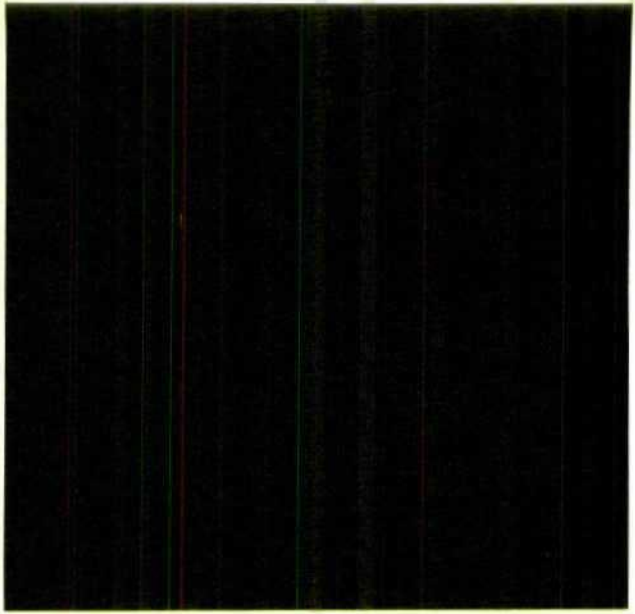


WEST SIDE - EAST SIDE OF DITCH 1/86

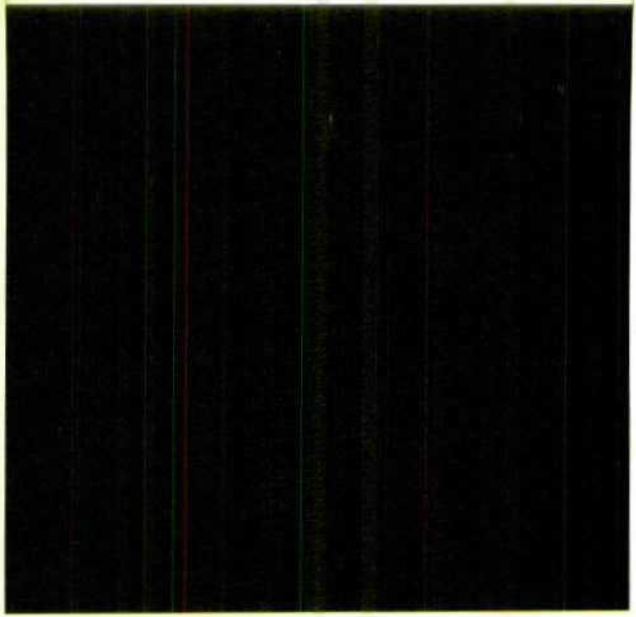


NORTH SIDE - SOUTH SIDE
OF DITCH 1/86

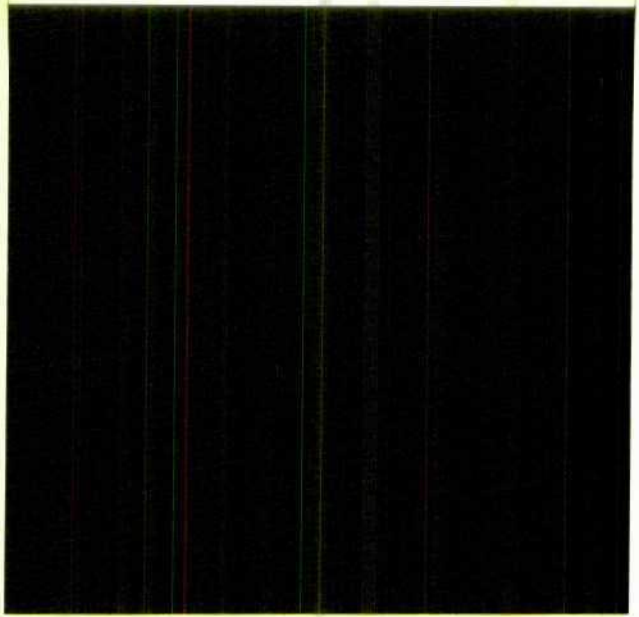




NORTH SIDE - WEST END
OF FLUME 1/86



NORTH SIDE - SOUTH SIDE
OF DITCH 1/86



NORTH SIDE – SOUTH SIDE
OF DITCH 1/86

Hammond Ditch

Gary Refinery

1/28/86

Hammond Ditch

Gary Refinery

1/28/86

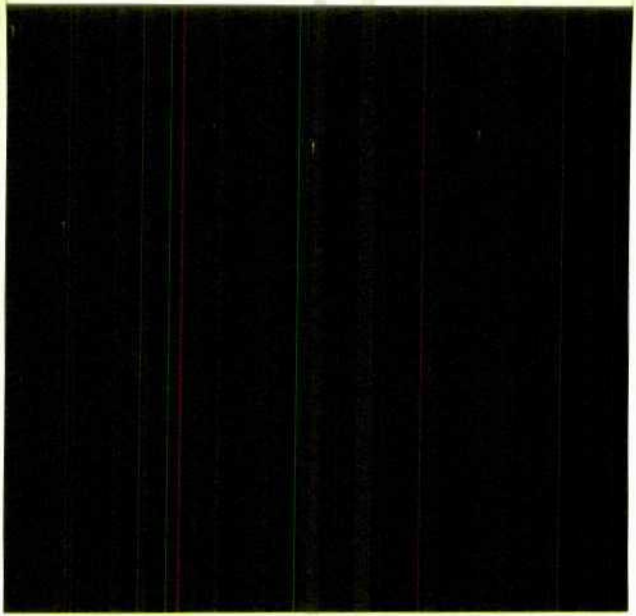
Hammond Ditch

2/28/86

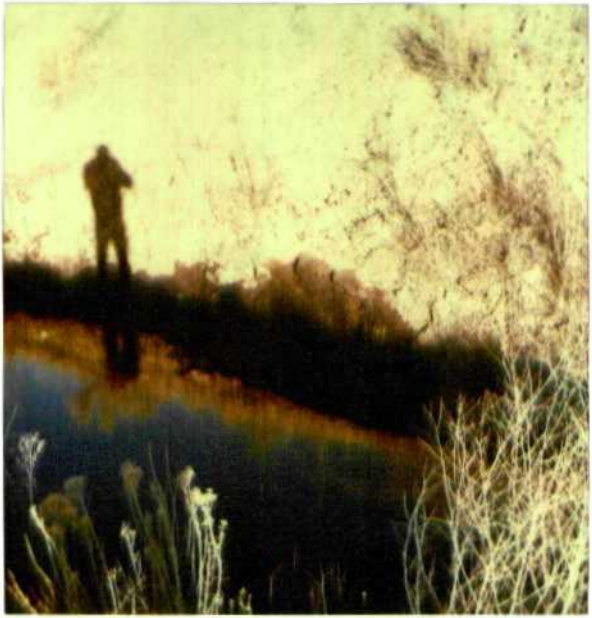
Hammond Detail
2/28/86

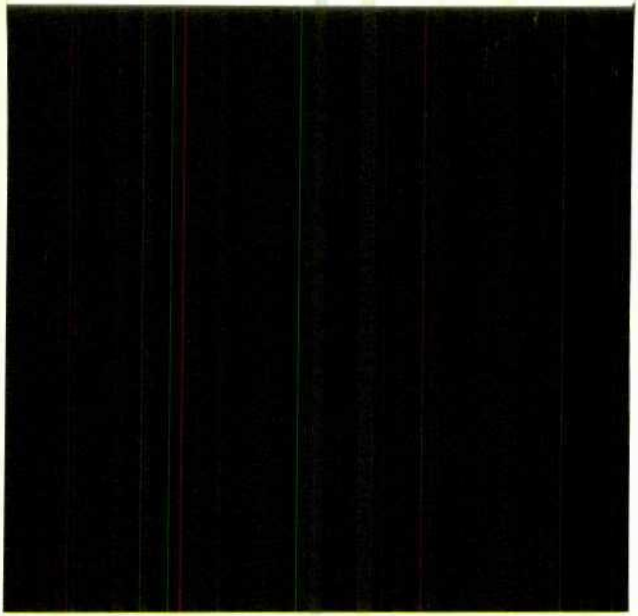
Hammond Park

2/28/86

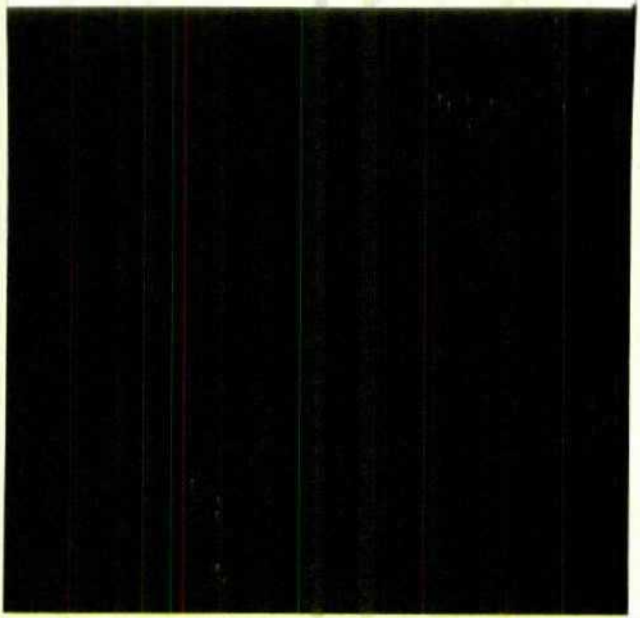


NORTH SIDE - AT RETENTION DAM 1/86





West Side - East Side
of Ditch 1/86



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Gary Bloomfield Refinery
Photos

EPA Sampling MW-7 at
Gary Bloomfield Refinery
9/13/89


CHEM
C5023

EPA Sampling MW-7 @
Gary Bloomfield Refinery
9/19/89

Gary Bloomfield Refinery

2nd lined pit dirt work

8/15/90

panorama 1

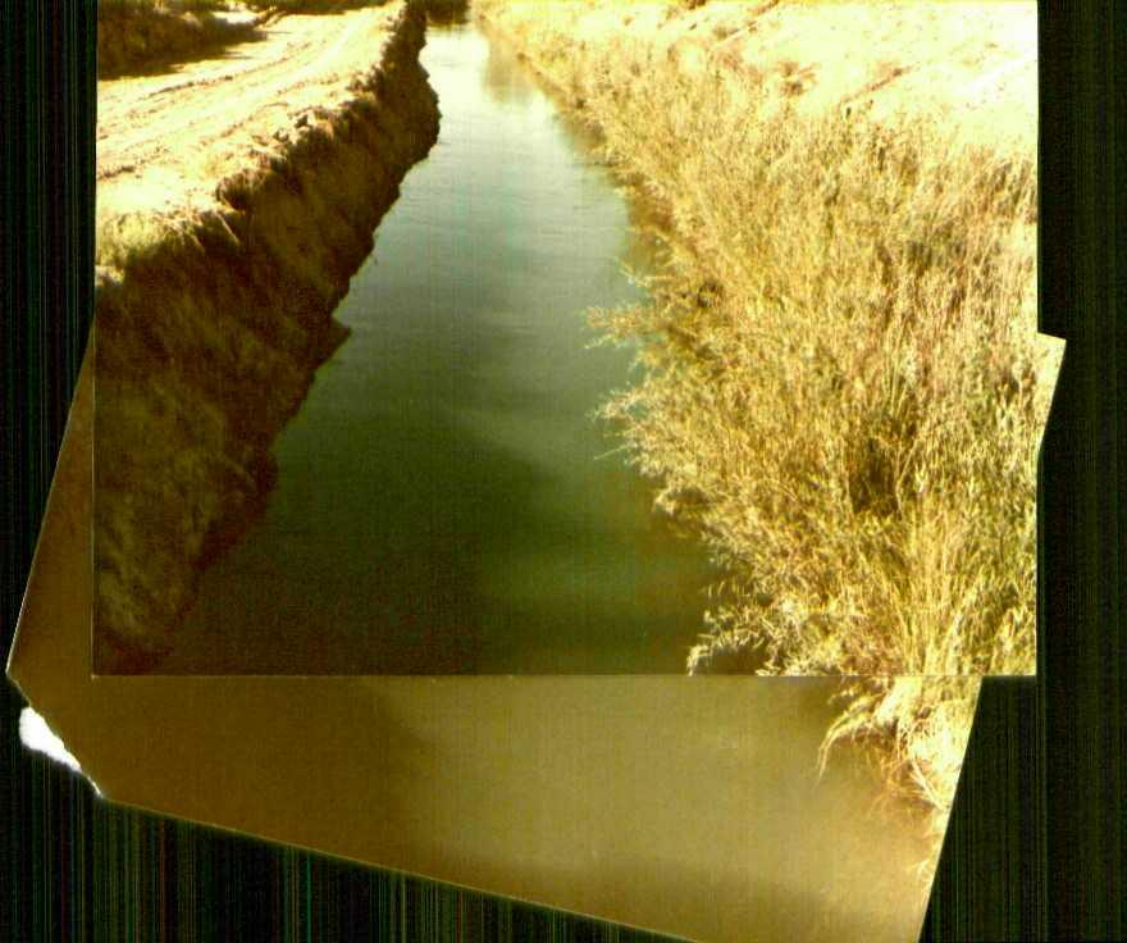
Gary Bloomfield
2nd lined pit dirt work
8/15-/50
panorama 2

EPA Sampling MW-13 @
Gary Bloomfield Refinery
9/13/89

EPA Sampling MW-13 @
Gary Bloomfield Refinery
9/13/89

EPA @ Gary Bloomfield
Refinery 9/13/89

EPA Sampling MW-7 @
Gary Bloomfield Refinery
9/19/89



Giant Refining Spill Pictures for January 9, 1998 at GW-1 Bloomfield
Pictures Taken January 16, 1998

18. North door 90 day Hazardous Waste holding bay and adjacent pad.

18A. Cement pad where iron chelate, sulfur and water were erroneously dumped, pad drains into Hazardous Waste holding bay.

19A. Looking west across the cement pad, doors open into Hazardous Waste holding bay

20A. Looking northwest across the cement pad.

21A. Southwest corner of the cement pad, drain opening at left of picture.

22A. Southwest corner of the pad showing the drain opening and the south door of the Hazardous Waste holding bay.

23A. Iron chelate which has flowed north from the North Hazardous Waste holding bay door.

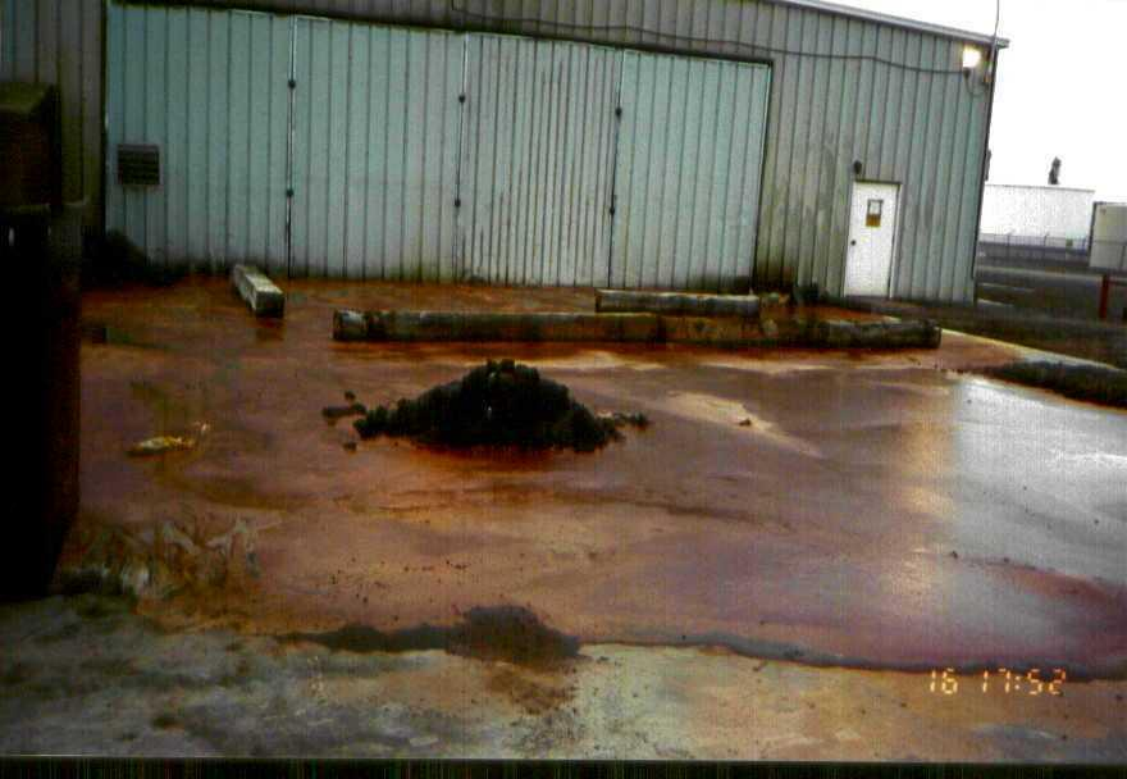
24A. Iron chelate which has flowed west towards the Class I Injection Well. Picture is taken looking east from pump house area of the injection well.

25A. This picture is shot looking southeast, shows the north door of the Hazardous Waste holding bay, note the upper left of the picture where iron chelate flowing off the cement pad reaches the level of the Class I Injection Well.


CAUTION


16 17:5 1


16 17:51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