

3R - 258

APPROVALS

YEAR(S):

2002-1994



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

December 9, 2002

CERTIFIED MAIL

RETURN RECEIPT NO: 7001-1940-0004-7923-0612

Mr. Timothy A. Kinney
Giant Industries Arizona, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

**RE: CASE # 3R258
BLOOMFIELD CRUDE STATION
BLOOMFIELD, NEW MEXICO**

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed the following Giant Industries Arizona, Inc.'s (Giant) documents:

- August 9, 2002 correspondence titled "CASE #3R258 BLOOMFIELD CRUDE STATION" and accompanying July 2002 "BIOVENTING PLAN" which was submitted on behalf of Giant by their consultant A.E. Schmidt Environmental (AESE).
- August 12, 2002 correspondence titled "CASE #3R258 BLOOMFIELD CRUDE STATION" and accompanying July 2002 "GROUND WATER SAMPLING, BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO" which was submitted on behalf of Giant by their consultant AESE.

These documents contain the results of Giant's recent ground water remediation activities, recommended changes to the ground water monitoring system and a soil bioventing work plan for the Bloomfield Crude Station in Bloomfield New Mexico.

The above-referenced work plan and recommendations are approved with the following conditions:

1. OCD defers comment on Giant's conclusions regarding chloride contamination of ground water until data from future sampling of monitor well MW-2 has been evaluated

Mr. Timothy A. Kinney
December 9, 2002
Page 2

2. Prior to startup of the bioventing system and annually thereafter, ground water from all site monitor wells shall be sampled and analyzed for concentrations of benzene, toluene, ethylbenzene, xylene (BTEX), total dissolved solids (TDS), major cations and anions, dissolved oxygen, iron and manganese using EPA approved methods and quality assurance/ quality control procedures.
3. OCD will not consider the site for clean closure until soils have been remediated to the site specific remediation levels and ground water contamination related to Giants activities has been documented to be below New Mexico Water Quality Control Commission (WQCC) standards for a minimum of 4 consecutive quarters.
4. Giant shall include the results of the bioventing activities and the additional site monitoring required above in the previously required annual report.
5. Giant shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

Please be advised that OCD approval does not relieve Giant of responsibility if the plan fails to adequately remediate or monitor contamination related to Giants activities, or if contamination exists which is outside the scope of the plan. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

The OCD would also like to point out that there appears to be an error in the conclusions of the July 2002 document titled "GROUND WATER SAMPLING, BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO". The third paragraph from the bottom on page 4 of this document states that "The NMWQCC standard for chloride in water is exceeded in upgradient well MW-3." A review of the historical data shows that only monitor wells MW-2 and MW-5 have ground water with chloride in excess of the WQCC standard.

If you have any questions, please contact me at (505) 476-3491.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

cc: Denny Foust, OCD Aztec District Office
Martin J. Nee, A.E. Schmidt Environmental



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

June 13, 2002

CERTIFIED MAIL

RETURN RECEIPT NO: 7001-1940-0004-3929-7273

Mr. Timothy A. Kinney
Giant Industries Arizona, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

**RE: CASE # 3R258
BLOOMFIELD CRUDE STATION**

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed Giant Industries Arizona, Inc.'s (Giant) July 30, 2001 correspondence and accompanying July 2001 "MONITORING WELL INSTALLATION, GROUND WATER SAMPLING AND BIOVENTING PILOT TEST, BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO" which were submitted on behalf of Giant by their consultant Golden Environmental Management, Inc. These documents contain the results of Giant's recent investigation of soil and ground water contamination, soil remediation activities and soil bioventing pilot project related to the Bloomfield Crude Station in Bloomfield New Mexico. The document also contains Giant's recommended plan for soil and ground water remediation and monitoring.

The above referenced plan is approved with the following conditions:

1. Giant shall install and implement the product recovery system at the site by July 13, 2002.
2. Giant shall submit a work plan for the proposed soil bioventing remediation system to the OCD by August 13, 2002. The work plan shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Aztec District Office.

Mr. Timothy A. Kinney

June 13, 2002

Page 2

3. It is not clear whether Giant's Bloomfield Crude Station or Manana Gas, Inc.'s well sites are the source of ground water contamination in monitor well MW-7. Therefore, the OCD defers comment on the source of the ground water contaminants found in MW-7 until the OCD has the opportunity to review the results of site investigations to be conducted by Manana Gas, Inc.
4. Giant shall not plug monitor well MW-7 and shall include MW-7 in the quarterly ground water sampling program until it can be conclusively determined that Giant is not the source of contamination in this area.
5. The annual ground water sampling program shall include sampling of all site ground water monitoring wells for concentrations of total dissolved solids (TDS) and major cations and anions.
6. All ground water samples shall be obtained and analyzed using EPA approved methods and quality assurance /quality control (QA/QC) procedures.
7. Giant shall submit the annual report on remediation and monitoring activities to the OCD by April 1 of each respective year. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Aztec District Office. The report shall contain:
 - a. A comprehensive description of all remediation and monitoring activities including conclusions and recommendations.
 - b. A site map showing the locations of all former facilities, remediation systems, monitor wells, and any other pertinent site features.
 - c. A ground water potentiometric map for each sampling event which shows the direction and magnitude of the hydraulic gradient.
 - d. Summary tables of all past and present soil and ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated quality assurance/quality control (QA/QC) data.
 - e. Isopleth maps for contaminants of concern.
 - f. The volume of product recovered from each monitor well and the total volume of product recovered to date.
 - g. The disposition of all wastes generated.

Mr. Timothy A. Kinney

June 13, 2002

Page 3

8. Giant shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

Please be advised that OCD approval does not relieve Giant of responsibility if the plan fails to adequately remediate or monitor contamination related to Giants activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 476-3491.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

cc: Denny Foust, OCD Aztec District Office
Martin J. Nee, Golden Environmental Management, Inc.
Ed Hartman, Manana Gas, Inc.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

February 7, 2001

CERTIFIED MAIL
RETURN RECEIPT NO: 5051-4096

Mr. Timothy A. Kinney
Giant Industries Arizona, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed Giant Industries, Inc.'s (Giant) November 6, 2000 correspondence titled "BLOOMFIELD STATION CLEANUP" and accompanying October 24, 2000 "PROPOSAL FOR PILOT TEST AT THE BLOOMFIELD CRUDE STATION IN BLOOMFIELD, NM" and October 2000 "REPORT FOR REMEDIAL EXCAVATION WORK PERFORMED DURING AUGUST 2000 FOR THE BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO". These documents contain the results of Giant's recent excavation of contaminated soil related to the Bloomfield Crude Station in Bloomfield New Mexico. The document also contains Giant's proposal for a bioventing pilot test for remediation of remaining soil contamination.

The above referenced proposed pilot test is approved with the following conditions:

1. By May 2001, Giant shall install the two new monitor wells and begin the ground water monitoring program as set out in the OCD's May 19, 2000 correspondence.
2. Giant shall submit a comprehensive report on all site investigations, remediation activities and pilot test results to the OCD by July 1, 2001. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Aztec District Office. The report shall contain the following information:
 - a. A comprehensive description of all investigation, remediation and pilot test activities conducted to date including conclusions and recommendations.
 - b. A site map showing the location of all spills, tanks, pipelines, excavations, monitor wells, soil borings, bioventing wells, injection wells and any other pertinent site features.

Mr. Timothy A. Kinney
February 7, 2001
Page 2

- c. A ground water potentiometric map created using the water table elevation from each monitor well which shows the direction and magnitude of the hydraulic gradient.
 - d. Summary tables of all past and present soil, ground water and vapor quality sampling results and copies of all recent laboratory analytical data sheets and associated quality assurance/quality control (QA/QC) data.
 - e. The disposition of all wastes generated.
 - f. A plan for remediation of remaining contaminated soils and ground water at the site.
3. Giant shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

If you have any questions, please contact me at (505) 476-3491.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Martin J. Nee, Philip Services Corporation



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

September 1, 2000

CERTIFIED MAIL
RETURN RECEIPT NO: 5051-3532

Mr. Tim Kinney
Giant Industries, Inc.
111 County Road 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has received Giant Industries Inc.'s (Giant) August 29, 2000 correspondence requesting a 60 day extension of the deadline for submission a report on the investigation and remediation of hydrocarbon contamination at the Giant Bloomfield Crude Station.

The above-referenced extension request is approved. Giant will submit the report to the OCD Santa Fe Office by October 31, 2000 with a copy provided to the OCD Aztec District Office.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 28, 2000

CERTIFIED MAIL
RETURN RECEIPT NO: 5051-3358

Mr. Timothy A. Kinney
Giant Industries Arizona, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed Giant Industries Arizona, Inc.'s (Giant) July 24, 2000 "SITE HEALTH AND SAFETY PLAN FOR THE GIANT BLOOMFIELD CRUDE STATION REMEDIATION PROJECT". This document contains Giant's health and safety plan for implementation of remedial actions related to soil and ground water contamination at the Bloomfield Crude Station in Bloomfield New Mexico.

The above referenced work plan is **approved** with the following conditions:

1. Giant shall conduct all remedial actions in a manner such that blowing dust does not leave the site boundary and enter onto adjacent residences or public roadways.
2. Giant shall immediately notify the OCD if the remedial actions result in a threat to public health.
3. Giant shall include the results of the perimeter monitoring in the comprehensive report on the site investigation and remediation actions.

Please be advised that OCD approval does not relieve Giant of liability if the plan fails to adequately control threats to public health. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

Mr. Timothy A. Kinney

July 28, 2000

Page 2

If you have any questions, please contact me at (505) 827-7154.

Sincerely,

A handwritten signature in black ink, appearing to read "Will Olson". The signature is fluid and cursive, with a long horizontal stroke at the end.

William C. Olson

Hydrologist

Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Robert Thompson, Philip Services Corporation



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

May 19, 2000

CERTIFIED MAIL
RETURN RECEIPT NO: 5051-3112

Mr. Timothy A. Kinney
Giant Industries Arizona, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed Giant Industries Arizona, Inc.'s (Giant) January 2000 "COMPREHENSIVE REPORT FOR THE BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO". This document contains the results of Giant's past and recent investigations of soil and ground water contamination related to the Bloomfield Crude Station in Bloomfield New Mexico. The document also contains Giant's proposed work plan for soil and ground water remediation and monitoring.

The above referenced work plan is **approved** with the following conditions:

1. Prior to commencement of the excavation activities, Giant shall submit to the OCD for approval a site health and safety plan for protection of the public from vapor emissions generated during excavation activities.
2. Giant shall take confirmation samples of soils from the base and walls of the excavated areas to show that the soils are remediated to the OCD's benzene, toluene, ethylbenzene, and xylene (BTEX) and total petroleum hydrocarbon (TPH) guidance levels. Confirmation soil samples shall also be taken for analysis of chloride concentrations.
3. All soil and ground water samples shall be obtained and analyzed using EPA approved methods and quality assurance /quality control (QA/QC) procedures.
4. In addition to the proposed new monitoring well MW-6, Giant shall install a ground water monitoring well at the location show on Figure 4 (attached) in order to determine the lateral extent of ground water contamination.

5. Giant shall complete all monitor wells as follows:
 - a. At least 15 feet of well screen shall be placed across the water table interface with at least 5 feet of the well screen placed above the water table and 10 feet of the well screen below the water table.
 - b. An appropriately sized gravel pack shall be set in the annulus around the well screen from the bottom of the hole to 2-3 feet above the top of the well screen.
 - c. A 2-3 foot bentonite plug shall be placed above the gravel pack.
 - d. The remainder of the hole shall be grouted to the surface with cement containing 3-5% bentonite.
 - e. A concrete pad and locking well cover shall be placed around the well at the surface.
 - f. The well shall be developed after construction using EPA approved procedures.
6. No less than 24 hours after the wells are developed, ground water from all monitor new wells shall be purged, sampled and analyzed for concentrations of benzene, toluene, ethylbenzene, xylene, total dissolved solids (TDS) and major cations and anions using EPA approved methods and quality assurance/quality control (QA/QC) procedures.
7. Semi-annual monitoring of ground water from the site monitoring wells shall include analysis for concentrations of major cations and anions and TDS.
8. Giant shall submit a comprehensive report on all site investigations to the OCD by August 31, 2000. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Aztec District Office. The report shall contain the following information:
 - a. A comprehensive description of all investigation and remediation activities including conclusions and recommendations.
 - b. A site map showing the location of all spills, tanks, pipelines, excavations, monitor wells, soil borings and any other pertinent site features.
 - c. A ground water potentiometric map created using the water table elevation from each monitor well which shows the direction and magnitude of the hydraulic gradient.

Mr. Timothy A. Kinney
May 19, 2000
Page 3

- d. Summary tables of all past and present soil and ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated quality assurance/quality control (QA/QC) data.
 - e. The disposition of all wastes generated.
9. Giant shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

Please be advised that OCD approval does not relieve Giant of liability if the work plan fails to adequately remediate contamination related to Giants activities or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Martin J. Nee, Philip Services Corporation



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

October 29, 1999

CERTIFIED MAIL
RETURN RECEIPT NO: Z-274-520-725

Mr. Timothy A. Kinney
Giant Industries, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has reviewed Giant Industries, Inc.'s (Giant) September 27, 1999 "WORK PLAN FOR THE GIANT BLOOMFIELD CRUDE STATION" which was submitted on behalf of Giant by their consultant Phillip Services Corporation. This document contains Giant's work plan for additional investigations of ground water contamination related to the Bloomfield Crude Station in Bloomfield New Mexico.

The above referenced work plan is **approved** with the following conditions:

1. Giant shall submit a comprehensive report on all site investigations to the OCD by January 14, 2000. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Aztec District Office. The report shall contain the following information:
 - a. A comprehensive description of all past and present investigation activities including conclusions and recommendations.
 - b. A site map showing the location of all spills, tanks, pipelines, excavations, monitor wells, soil borings and any other pertinent site features.
 - c. A ground water potentiometric map created using the water table elevation from each monitor well which shows the direction and magnitude of the hydraulic gradient.
 - d. Summary tables of all past and present soil and ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated quality assurance/quality control (QA/QC) data.

Mr. Timothy A. Kinney
October 29, 1999
Page 2

- e. The disposition of all wastes generated.
- 2. Giant shall notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and split samples.

Please be advised that OCD approval does not relieve Giant of liability if the work plan fails to adequately determine the extent of contamination related to Giant's activities. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Martin J. Nee, Philip Services Corporation



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

June 21, 1999

CERTIFIED MAIL
RETURN RECEIPT NO: Z-274-520-678

Mr. Timothy A. Kinney
Giant Industries, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has received Giant Industries, Inc.'s (Giant) April 28, 1999 "GIANT INDUSTRIES ARIZONA, INC., SOIL LEAD SURVEY - BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO". This document contains the results of Giant's recent investigation of the magnitude and extent of lead contamination in soil resulting from a crude oil tank fire at the Giant Bloomfield Crude Station. The document also requests closure of the soil lead remedial actions resulting based upon the results of the investigations.

The above referenced closure request is **approved** with the following condition:

1. Since petroleum contamination of the soils and ground water at the site has not been completely delineated nor remediated, Giant shall submit a work plan to completely define the extent of soil and ground water contamination resulting from Giant's activities. The work plan shall be submitted to the OCD Santa Fe Office by August 21, 1999 with a copy provided to the OCD Aztec District Office. The work plan will include:
 - a. A description of all past investigation activities and a proposed plan for further investigations.
 - b. A map showing the location of all sample points and other pertinent site features.
 - c. Summary tables of all past soil and ground water sampling results and copies of any laboratory analytical data sheets and associated QA/QC data not previously submitted to the OCD.

Mr. Timothy A. Kinney
June 21, 1999
Page 2

Please be advised that OCD approval does not relieve Giant of liability if remaining lead contamination poses a future threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Jeffery C. Blagg, Blagg Engineering, Inc.
James Bearzi, Bureau Chief, NMED HRMB

Z 274 520 678

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NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

February 5, 1999

CERTIFIED MAIL
RETURN RECEIPT NO: Z-274-520-616

Mr. Timothy A. Kinney
Giant Industries, Inc.
111 County Rd. 4990
Bloomfield, New Mexico 87413

RE: BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has received Giant's December 3, 19987 "WORKPLAN FOR ADDITIONAL INVESTIGATION OF LEAD IMPACTS, GIANT INDUSTRIES ARIZONA, INC. BLOOMFIELD CRUDE STATION". This document contains Giant's plan for investigation of the magnitude and extent of lead contamination in soil at the Giant Bloomfield Crude Station.

The above referenced work plan is **approved** with the following conditions:

1. The OCD defers comment on lead remediation levels until the OCD has the reviewed the results of the investigations.
2. Background sample locations will be determined in the field in consultation with the OCD. Giant will notify the OCD at least 48 hours in advance of the sampling so that the OCD can schedule to be at the site.
3. Giant will submit a report on the investigations to the OCD by April 30, 1999. The report will be submitted to the OCD Santa Fe Office with a copy provided to the OCD Aztec District Office. The report will include:
 - a. A description of the investigation activities which occurred including conclusions and recommendations.
 - b. A map showing the location of all sample points and other pertinent site features.
 - c. Summary tables of all soil sampling results and copies of all laboratory analytical data sheets and associated QA/QC data.

Mr. Timothy A. Kinney
February 5, 1999
Page 2

4. On December 8, 1995, the OCD conditionally approved Giant's "REMEDIAL ACTION WORKPLAN" for remediation of contaminated soil and ground water at the site. The OCD has no record that the conditions of this approval have been met. Therefore, the OCD requires that Giant submit the following previously required information by April 30, 1999:
- a. A work plan for installation of additional monitor wells for areas which currently have no permanent downgradient ground water monitoring points.
 - b. The results of the remediation pilot test and the final proposed design of the remediation system.
 - c. Annual remediation and monitoring reports for the 1996, 1997, and 1998 calendar years.

Please be advised that OCD approval does not relieve Giant of liability if the work plan fails to adequately delineate the magnitude and extent of contamination at the site or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Jeffery C. Blagg, Blagg Engineering, Inc.
Benito Garcia, Bureau Chief, NMED HRMB

Z 274 520 616

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

October 29, 1998

CERTIFIED MAIL
RETURN RECEIPT NO: Z-274-520-574

Ms. Sarah Allen
Giant Industries, Inc.
P.O. Box 12999
Scottsdale, Arizona 85267

RE: BLOOMFIELD CRUDE STATION

Dear Ms. Allen:

The New Mexico Oil Conservation Division (OCD) has received Giant Industries Inc.'s (Giant) October 23, 1998 correspondence requesting a 30 day extension of the deadline for submission a work plan for conducting additional investigation of the extent of lead contaminated soils remaining in Cell A and Cell C at the Giant Bloomfield Crude Station.

The above extension request is approved. Giant will submit the work plan to the OCD Santa Fe Office by November 30, 1998 with a copy provided to the OCD Aztec District Office.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,

A handwritten signature in black ink, appearing to read "William C. Olson".

William C. Olson
Hydrologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Tim Kinney, Giant Industries, Inc.
Jeffery C. Blagg, Blagg Engineering, Inc.
Benito Garcia, Bureau Chief, NMED HRMB

Z 274 520 574

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PS Form 3800, April 1995

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505

December 8, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-522

Mr. Timothy A. Kinney
General Manager
Crude Gathering Operations
Giant Industries, Inc.
5764 US. Highway 64
Farmington, New Mexico 87401

RE: REMEDIAL ACTION PLAN
GIANT BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has completed a review of Giant Industries Inc's (GIANT) November 3, 1995 correspondence and October 1995 "REMEDIAL ACTION WORKPLAN, GIANT INDUSTRIES ARIZONA, INC., BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO" which were submitted on behalf of Giant by their consultant Philip Environmental. These documents present Giant's work plan for remediation of contaminated soils and ground water adjacent to tank 967-D at the Giant Bloomfield Crude Station.

The remedial action plan, as contained in the above referenced documents, is approved with the following conditions:

1. Giant will submit a work plan for installation of additional monitor wells to the OCD by January 26, 1996. The plan will address ground water areas which currently have no permanent downgradient monitoring points.
2. The piezometers will be constructed as set out below:
 - a. An appropriately sized gravel pack will be set around the well screen.
 - c. A 2-3 foot bentonite plug will be placed above the gravel pack.
 - d. The remainder of the hole will be grouted to the surface with cement containing 5 % bentonite.
3. All wastes will be disposed of at an OCD approved facility.

Mr. Timothy A. Kinney
December 8, 1995
Page 2

4. Ground water from the monitor wells will be sampled and analyzed for concentrations of benzene, toluene, ethylbenzene, xylene (BTEX), major cations and anions and polynuclear aromatic hydrocarbons (PAH's) using EPA approved methods.
5. By March 1, 1996, Giant will submit the results of the remediation pilot test and the final proposed design of the remediation system to the OCD for approval.
6. The annual report will be submitted to the OCD by December 1 of each respective year with the first report due on December 1, 1996. The reports will contain:
 - a. A description of all remediation and monitoring activities which occurred during the year, conclusions and recommendations.
 - b. A summary of the semi-annual laboratory analytic results of water quality sampling of the monitor wells. The results for each monitor well will be presented in tabular form and will show all past and present sampling results.
 - c. A semi-annual water table elevation map using the water table elevation of the ground water in all monitor wells.
 - d. If free phase product is present, a product thickness map.
7. Giant will notify the OCD at least one week in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.
8. All original documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec District Office.

Please be advised that OCD approval does not relieve Giant of liability should contamination exist which is outside the scope of work plan, or if the proposed remedial action plan fails to adequately remediate contamination at the site. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrogeologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Sarah Kelly, Philip Environmental

Z 765 962 522



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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

March 13, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-220

Mr. Timothy A. Kinney
General Manager
Crude Gathering Operations
Giant Industries, Inc.
5764 US. Highway 64
Farmington, New Mexico 87401

RE: SITE INVESTIGATION
GIANT BLOOMFIELD CRUDE STATION

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has completed a review of Giant Industries Inc's (GIANT) January 1995 "SITE ASSESSMENT AND PROPOSED ACTION PLAN FOR THE BLOOMFIELD CRUDE STATION, BLOOMFIELD, NEW MEXICO". This document presents the results of Giant's recent soil and ground water investigations adjacent to tank 967-D at the Giant Bloomfield Crude Station. The document also contains recommendations for additional investigations.

The work performed to date is satisfactory and the recommendations for additional investigations are approved with the following conditions:

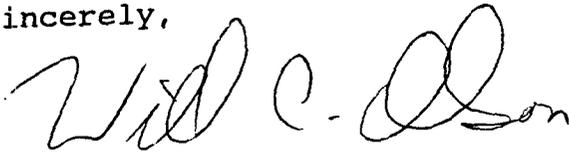
1. A report containing the results of the investigation will be submitted to the OCD by June 30, 1995. The report will also include a listing of any private water wells within 1/2 mile of the site.
2. Giant will notify the OCD at least 48 hours in advance of all scheduled activities such that the OCD may have the opportunity to witness the events and/or split samples.
3. All wastes generated during the investigation activities will be disposed of at an OCD approved site.
4. All original documents will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec Office.

Mr. Timothy A. Kinney
March 13, 1995
Page 2

Please be advised that OCD approval does not relieve Giant of liability should the investigation activities fail to adequately define the extent of contamination related to Giant's activities. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec Office
Michael Daly, 1212 Camino Monte, Farmington, NM

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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

August 19 1994

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CERTIFIED MAIL
RETURN RECEIPT NO. P-111-334-155

Mr. Timothy A. Kinney
General Manager
Giant Crude Gathering Operation
Giant Refining Co.
P.O. Box 256
Farmington, New Mexico 87499

**RE: SITE ASSESSMENT
GIANT BLOOMFIELD CRUDE STATION**

Dear Mr. Kinney:

The New Mexico Oil Conservation Division (OCD) has completed a review of Giant Refining Company's June 23, 1994 "SITE ASSESSMENT GIANT BLOOMFIELD STATION" and May 24, 1994 "GIANT INDUSTRIES ARIZONA, INC. INITIAL SITE ASSESSMENT AND CHARACTERIZATION PLAN FOR THE BLOOMFIELD STATION". These documents present Giant' initial soil investigations and a work plan for additional investigation related to petroleum contaminated soils adjacent to tank 967-D at the Giant Bloomfield Crude Station.

The above referenced work plan is approved with following conditions:

1. A report containing the results of the investigation will be submitted to the OCD by October 28, 1994.
2. Giant will notify the OCD at least 1 week in advance of all scheduled activities such that the OCD may have the opportunity to witness the events and/or split samples.
3. Giant will request and receive OCD approval for the disposal of all wastes generated during the investigation activities prior to disposal.

Mr. Timothy A. Kinney
August 19, 1994
Page 2

Please be advised that OCD approval does not relieve Giant of liability should the investigation activities fail to adequately define the extent of contamination related to Giant's activities. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please contact me at (505) 827-5885.

Sincerely,



William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec Office
Michael Daly, 1212 Camino Monte, Farmington, NM

P 111 334 155



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