GW - 190

PERMITS, RENEWALS, & MODS Application

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

John Bemis
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division

OCTOBER 22, 2012

Ms. Bobbi Briggs
Baker Hughes Oilfield Operations Inc.
17021 Aldine Westfield Road
Houston, TX 77073

Dear Ms. Briggs:

Based on your responses given in the "Oil & Gas Facilities Questionnaire for Determination of a WQCC Discharge Permit" and a file review, the Oil Conservation Division (OCD) has determined that three of your facilities with an expired or soon to be expired permit do not require a Water Quality Control Commission (WQCC) Discharge Permit. This means that the WQCC Discharge Permits **GW - 097** (BJ – FMT), **GW – 190** (BJ – Artesia), and **GW – 275** (Unichem – Farmington) are hereby rescinded and you are not required to proceed with the renewal of this expired or soon to expire WQCC Discharge Permit. OCD will close these permits in its database.

Because these WQCC Discharge Permits are no longer valid, you may be required to obtain a separate permit(s) for other processes at your facility, such as: pits, ponds, impoundments, below-grade tanks; waste treatment, storage and disposal operations; and landfarms and landfills. OCD will make an inspection of your facility to determine if any of these existing processes may require a separate permit under OCD's Oil, Gas, and Geothermal regulations. If OCD determines that a separate permit(s) is required, then a letter will be sent to you indicating what type of permit is required.

Please keep in mind, if your facility has any discharges that would require a WQCC Discharge Permit now or in the future, then you will be required to renew or obtain a WQCC Discharge Permit. If you have any questions regarding this matter, please contact Glenn von Gonten at 505-476-3488.

Thank you for your cooperation.

Jami Bailey
Director

JB/gvg

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Monday, March 07, 2011 10:38 AM
To: 'Joshua.Morrissette@bjservices.com'
Cc: Dade, Randy, EMNRD
Subject: RE: Artesia Minor Modification Request (GW-190)

Mr. Morrissette,

NMOCD appreciates your efforts in submitting this information. NMOCD Santa Fe approves your modification. If at any time during your modification the owner/operator arrives at a scenario which may involve additional investigation, notify the NMOCD office. As verbally noted, record efforts of this modification, i.e. photos, etc. Any modification shall adhere to conditions within your discharge permit, GW-190.

Thank you for your attention.

llowe

Leonard Lowe
Environmental Engineer
Oil Conservation Division/EMNRD
1220 S. St. Francis Drive
Santa Fe, N.M. 87505
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/

From: Joshua.Morrissette@bjservices.com [mailto:Joshua.Morrissette@bjservices.com]
Sent: Monday, March 07, 2011 10:25 AM
To: Lowe, Leonard, EMNRD
Subject: Fw: Artesia Minor Modification Request (GW-190)
Importance: High

Leonard - This e-mail is to verify that per our phone conversation the proposed minor modification outlined in the e-mail below, is approved. This modification will be made in accordance with the existing conditions presented in the facilities Discharge Permit GW-190.

Thanks Leonard.

Josh

Josh Morrissette | Sr. HS&E Specialist
Baker Hughes | HS&E Technical Support Team
Office: 713.879.1646 | Fax: 713.879.1868
Cell: 713.705.4875 | joshua.morrissette@bjservices.com
http://www.bakerhughes.com | *Advancing Reservoir Performance*

----- Forwarded by Joshua Morrissette/QUALITY/BJS/BJSERVICES on 03/07/2011 11:24 AM -----

Joshua Morrissette/QUALITY/BJS/BJSERVICES

02/02/2011 08:53 AM

To Leonard Lowe
cc
Subject Artesia Minor Modification Request (GW-190)

Leonard - Our Artesia Pressure Pumping yard is requesting a minor modification. The facility is proposing to move the Lube Island from its current position on the south side of the yard to approximately 60 ft north of the wash bay. All the existing tanks and containments will be moved and relocated. No new products will be stored and all containments hold 130% of tank capacity. Attached is a drawing that contains specific information on the Lube Island layout, dimensions, and tank contents. Also attached is a Facility diagram indicating the current location and the proposed location.

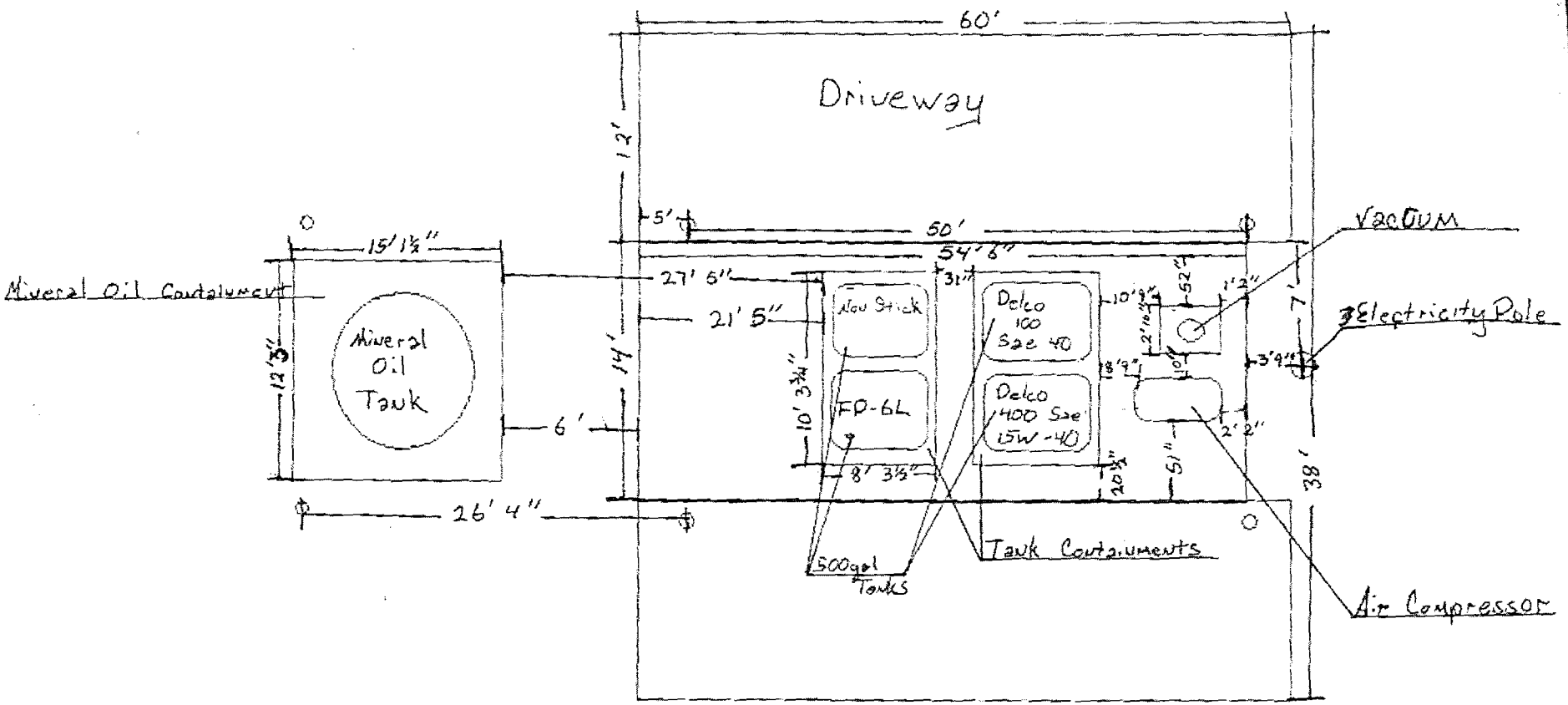
Following NM OCD Approval the facility's Discharge and SPCC plans will be updated accordingly. Please let me know if there is any other information or clarification needed. Thanks.

Josh

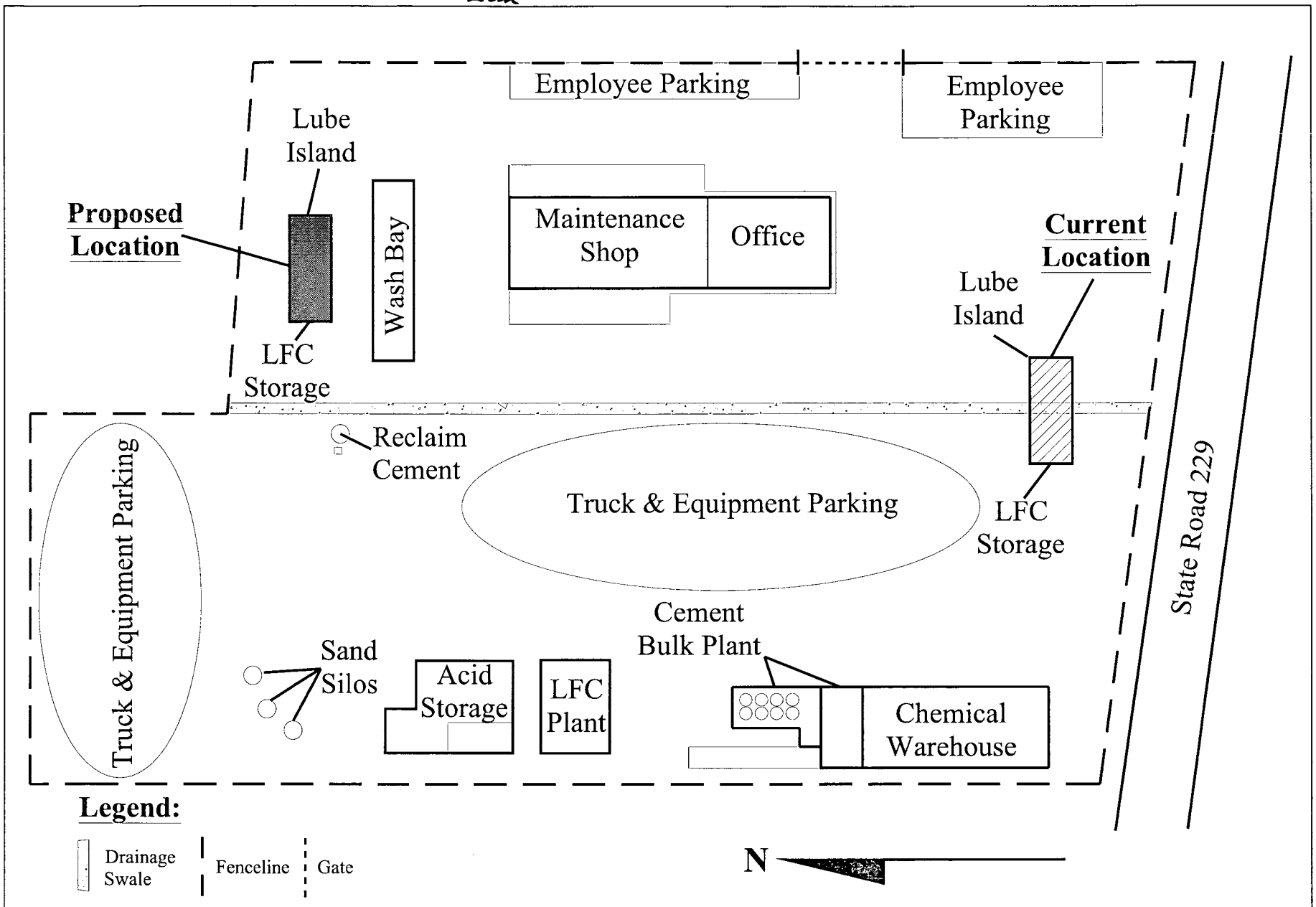
Josh Morrissette | Sr. HSE Specialist
Baker Hughes | HS&E Technical Support Team
Office: 713.879.1646 | Fax: 713.879.1868
Cell: 713.705.4875 | joshua.morrissette@bjservices.com
http://www.bakerhughes.com | *Advancing Reservoir Performance*

03.07.11 J. Morrisette E-mail Attachment 1 of 2 Total

Layout of Lube Island



2 of 2 attachments Kaw



BJ Services Company, USA
11211 FM 2920
Tomball, Texas 77375

Figure 2: Facility Diagram

Artesia District **2401 Silvey** **Artesia, NM 88210**	**Not To Scale**	**REVISION DATE:** **01/02/11**	**DRAWN BY:** **JCM**

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Wednesday, December 22, 2010 10:51 AM
To: 'Joshua.Morrissette@bjservices.com'
Subject: RESPONSE: Minor Modification Request for GW-190

Mr. Morrissette,

Sorry for the late reply:

OCD approves your submitted modification. Please reflect this modification upon your next DP renewal application. Reference you're previous approved discharge plan permit conditions upon conditions pertaining to properly maintain such tanks.

This approval shall be noted within your GW-190 file within the OCD.

Thank you for your attention.

llowe

Leonard Lowe
Environmental Engineer
Oil Conservation Division/EMNRD
1220 S. St. Francis Drive
Santa Fe, N.M. 87505
Office: 505-476-3492
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/

From: Joshua.Morrissette@bjservices.com [mailto:Joshua.Morrissette@bjservices.com]
Sent: Friday, December 10, 2010 3:43 PM
To: Lowe, Leonard, EMNRD
Subject: Minor Modification Request for GW-190
Importance: High

SEE ATTACHMENT FOR FIGURE 1/1

Leonard - Our Artesia facility requesting approval of two proposed minor modifications:

1. Exchanging one of the current product aboveground storage tanks. Here is the information for the tank exchange at the Artesia location, GW-190:

Current AST
Material Stored - GW-4LDF
Capacity - 8,500 gallons
Tank Type - Vertical, steel, aboveground
Containment - concrete

Replacement AST
Material Stored - GW-4LDF
Capacity - 16,000 gallons
Tank Type - Vertical, steel, aboveground (see attached figure)
Height - 20 ft
Diameter - 12 ft

Containment - 23,936 gallons, coated steel

2. Taking two 500-gallon tanks out-of-service and moving the existing mineral oil AST and containment onto the concrete pad where these tanks are currently positioned.

The Discharge Plan and the SPCC will be updated accordingly.

Let me know if any other information is needed. Please let me know if this minor modification is approved. Thanks Leonard.

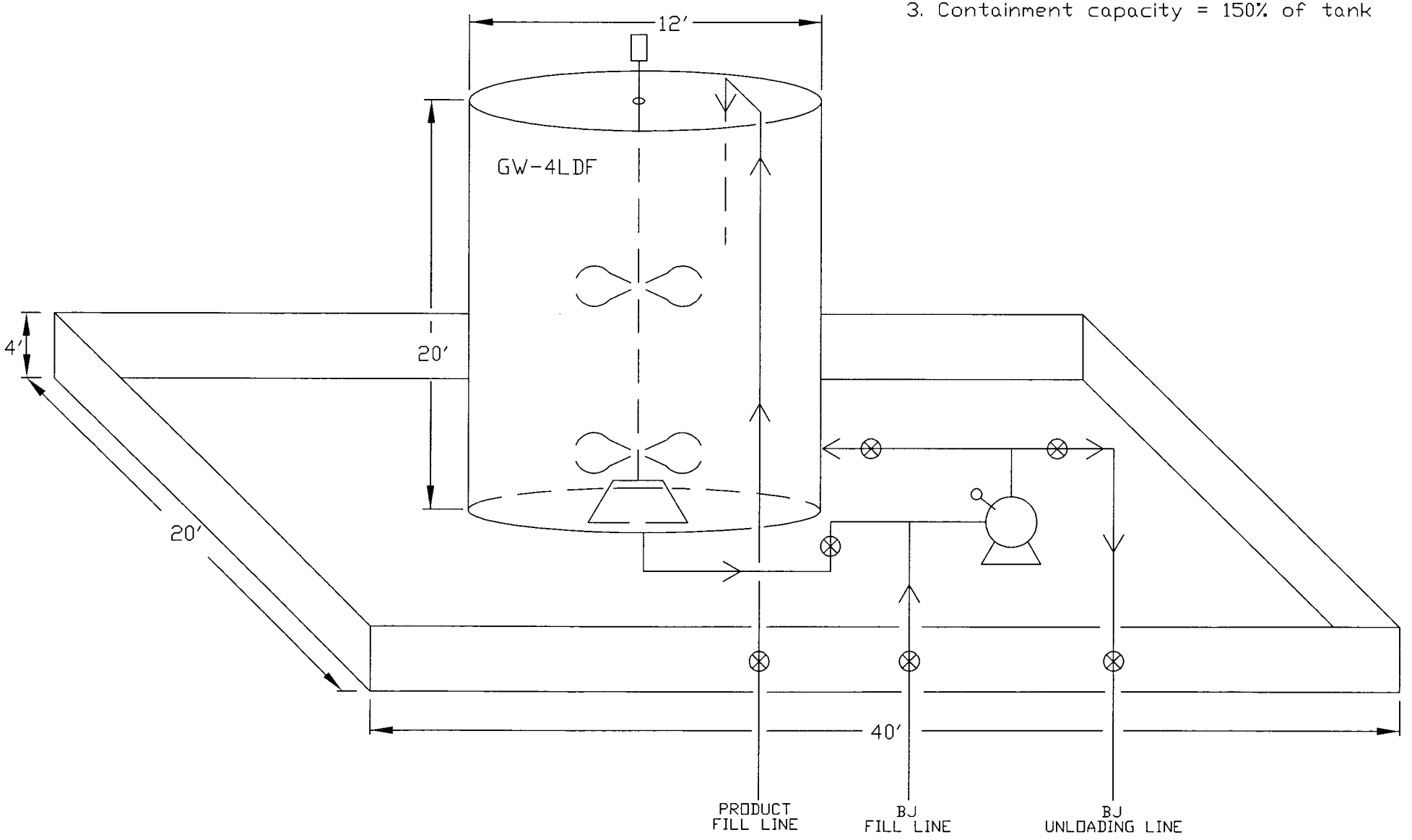
Josh

Josh Morrissette | HSE Specialist
Baker Hughes | HS&E Technical Support Team
Office: 281.357.2573 | Fax: 281.357.2585
Cell: 713.705.4875 | joshua.morrissette@bjservices.com
http://www.bakerhughes.com | *Advancing Reservoir Performance*

J. Norrissette's 12.10.10 E-MAIL ATTACHMENT FOR "MINOR MODIFICATION REQUEST" FOR GW-190

BJ ARTESIA -GW-4LDF

1. Tank capacity = 16,000 gals.
2. Containment capacity = 23,936 gals.
3. Containment capacity = 150% of tank



1/1 For Attach.

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 2/11/10

or cash received on _____ in the amount of $ 100 00

from BJ Services Co.

for GW-190

Submitted by: Laurence Tenorio Date: 4/19/10

Submitted to ASD by: [signature] Date: 4/19/10

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2010

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

February 12, 2010

CERTIFIED MAIL NO. 7008 2810 0001 8980 0457
RETURN RECEIPT REQUESTED

New Mexico Environmental Department
Oil Conservation Division
Attn: Mr. Leonard Lowe
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED OCD
2010 FEB 18 P 2:19

RE: Discharge Permit Renewal & Associated Filing Fee
Discharge Permit - GW-190
BJ Services Company, USA
11211 FM 2920
Tomball, TX 77375

Dear Mr. Lowe:

Enclosed is the original and one copy of the Discharge Permit Renewal application and for BJ Services Company, U.S.A. Artesia District currently operating under Discharge Permit No. GW-190. Also enclosed is check number 3595372 in the amount of $100.00 for payment of the associated filing fee.

If there are any questions or comments, please contact me at (281) 357-2573.

Thank You.

Josh Morrissette
HSE Specialist

Cc: NMOCD – District II, Artesia
File – BJ Services, Tomball

Enclosures (2)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Revised June 10, 2003

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

RECEIVED OCD

1. Type: Oil & Gas Field Services
2. Operator: BJ Services Company, U.S.A.

   Address: 2401 Silvey Road, Artesia, NM 88210

   Contact Person: Josh Morrissette Phone: 281.357.2573
3. Location: SE /4 SE /4 Section 32 Township 16S Range 26E

   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Josh Morrissette Title: HSE Specialist

Signature: [signature] Date: 2-12-2010

E-mail Address: joshua.morrissette@bjservices.com

Artesia Discharge Plan

BJ Services Company, USA

2401 Sivley Road

Artesia, NM 88210

February 2010

Table of Contents

Appendices

I. Type of Operation

BJ Services Company, U.S.A. provides oilfield services, including cementing, acidizing, chemical treatment, and fracturing services at oil and gas well sites.

II. Operator

BJ Services Company, U.S.A.
2401 Sivley
Artesia, NM 88210
Contact: Corby Elkin

III. Location

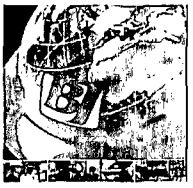
Section 32, Township 16S, Range 26E (See Appendix B, Figure 1, Regional Map)

IV. Landowner of Facility Site

BJ Services Company, U.S.A.
11211 FM 2920
281-351-8131
Contact: Jo Ann Cobb, R.E.M.

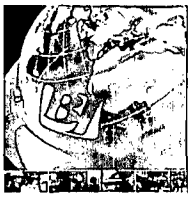
V. Facility Description

See Appendix B, Figure 2, Site Plan



VI. Materials Stored and Used at the Facility

Material	Hazardous Ingredients	Form	Type of Container	Estimated Volume Stored (gallons)	Location
Acids	Hydrochloric	Liquid	Tank	25,000 gallons	Acid dock
Detergents	Detergent	Liquid	Fiberglass Tank	330 gallons	Yard next to Wash Bay
Antifreeze	Various	Liquid	Totes	55 gallons	Shop
Surfactants	Various	Liquid	Totes	300 gallons	Acid Dock and Drum Storage
Inhibitors	Various	Liquid	Totes	330 gallons	Acid Dock and Drum Storage
Nonemulsifiers	Various	Liquid	Totes	330 gallons	Acid Dock and Drum Storage
Others	Cement	Solid	Silos	850 Tons	Bulk Plant
Biocides	Various	Liquid	Drum/Pails	2500 gallons	Drum Storage
Cleaning and Wetting Agents	Various	Liquid	Drum/Tank	4000 gallons	Drum Storage
Corrosion Inhibitor	Various	Liquid	Drum/Tank	6000 gallons	Drum Storage
Methanol	Methanol	Liquid	Drum	2000 gallons	Drum Storage
Oxygen Scavenger	Various	Liquid	Drum	500 gallons	Drum Storage
Packer Fluid Blend	Various	Liquid	Drum	1000 gallons	Drum Storage
Parraffin Inhibitor	Various	Liquid	Drum	2000 gallons	Drum Storage
Scale Inhibitor	Various	Liquid	Drum	3000 gallons	Drum Storage
Emulsion Breaker	Various	Liquid	Drum	500 gallons	Drum Storage



VII. Sources of Effluent and Waste Solids

Waste Type	Source and Composition	Volume per Month	Major Additives
Used Oil	Storage Tank	350 gallons	oils
Used Antifreeze	Drums	55 gallons	antifreeze
Tank Residual from cleaning	Storage Tank	100 gallon per month	Varies by product
Off-spec chemicals	Drums	100 gallons	Varies by product
Gloves, Absorbent socks and rags	Daily Operations	50-lbs	Varies by product
Sump Waste	Wash Bay	100 gallons	oil and grease

VIII. Current Liquid and Solid Waste Collection/Treatment/Disposal Procedures

Waste Type	On Site Handling	Disposal	Disposal Facilities
Solvent/Degreaser	Drum	Recycled Off-site	Thermo Fluids, Inc. 2303 Lubbock Road Brownfield, Texas 79316 800-350-7565
Used Oil	Oil pans are emptied into a receptacle and then pumped from the receptacle to a storage tank outside shop	Recycled Off-site	Thermo Fluids, Inc. 2303 Lubbock Road Brownfield, Texas 79316 800-350-7565
Oil Filters	Stored in Drums	Recycled Off-site	Thermo Fluids, Inc. 2303 Lubbock Road Brownfield, Texas 79316 800-350-7565
Tank Residual from clean-outs	Stored in Drums	Recycled Offsite	Univar 311 Lark Ave Odessa, Texas 79760 1-800-777-3342
Off-spec chemicals	Stored in Drums	Disposed Offsite	Univar 311 Lark Ave Odessa, Texas 79760 1-800-777-3342
Gloves, Absorbent socks, and rags	Stored in Drums	Recycled Offsite	Univar 311 Lark Ave Odessa, Texas 79760 1-800-777-3342

IX. Proposed Modifications

There are no proposed modifications at this time.

X Inspection and Maintenance

See Appendix A, Permit

- All facility sumps are inspected on an annual basis using NMOCD approved methods.
- All underground lines are inspected every five years using NMOCD approved methods.

See Appendix C, Base/District HSE Inspection Form

XI. Contingency Plan

See Appendix D, Facility Emergency Response Contingency Plan

XII. Site Characteristics

Bodies of Water: None

Arroyos: None

Groundwater Characteristics: Depth to groundwater 20-feet below ground surface (See Appendix E for boring log.)

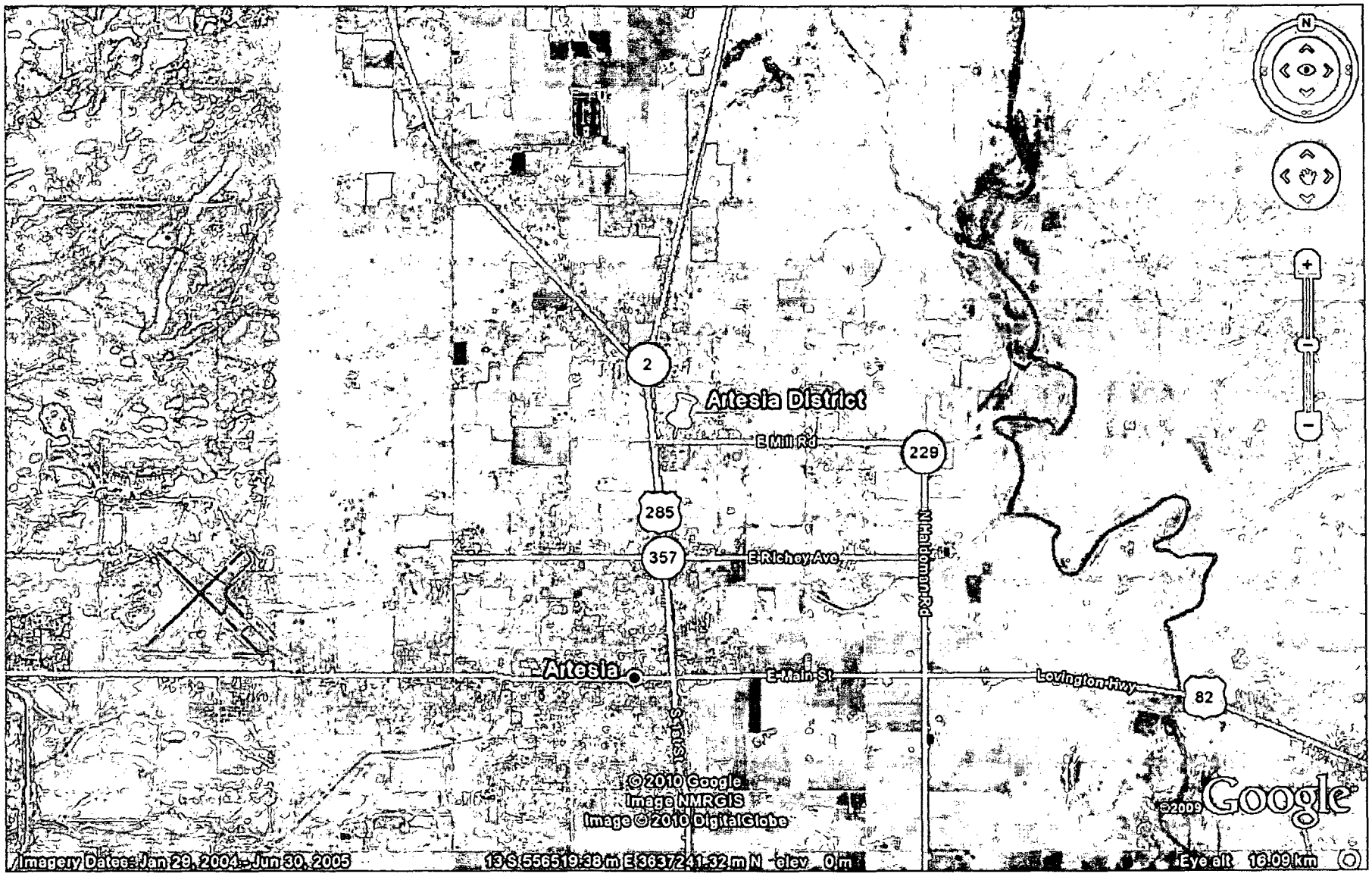
Flooding Potential: None

Appendix A

Permit

Appendix B

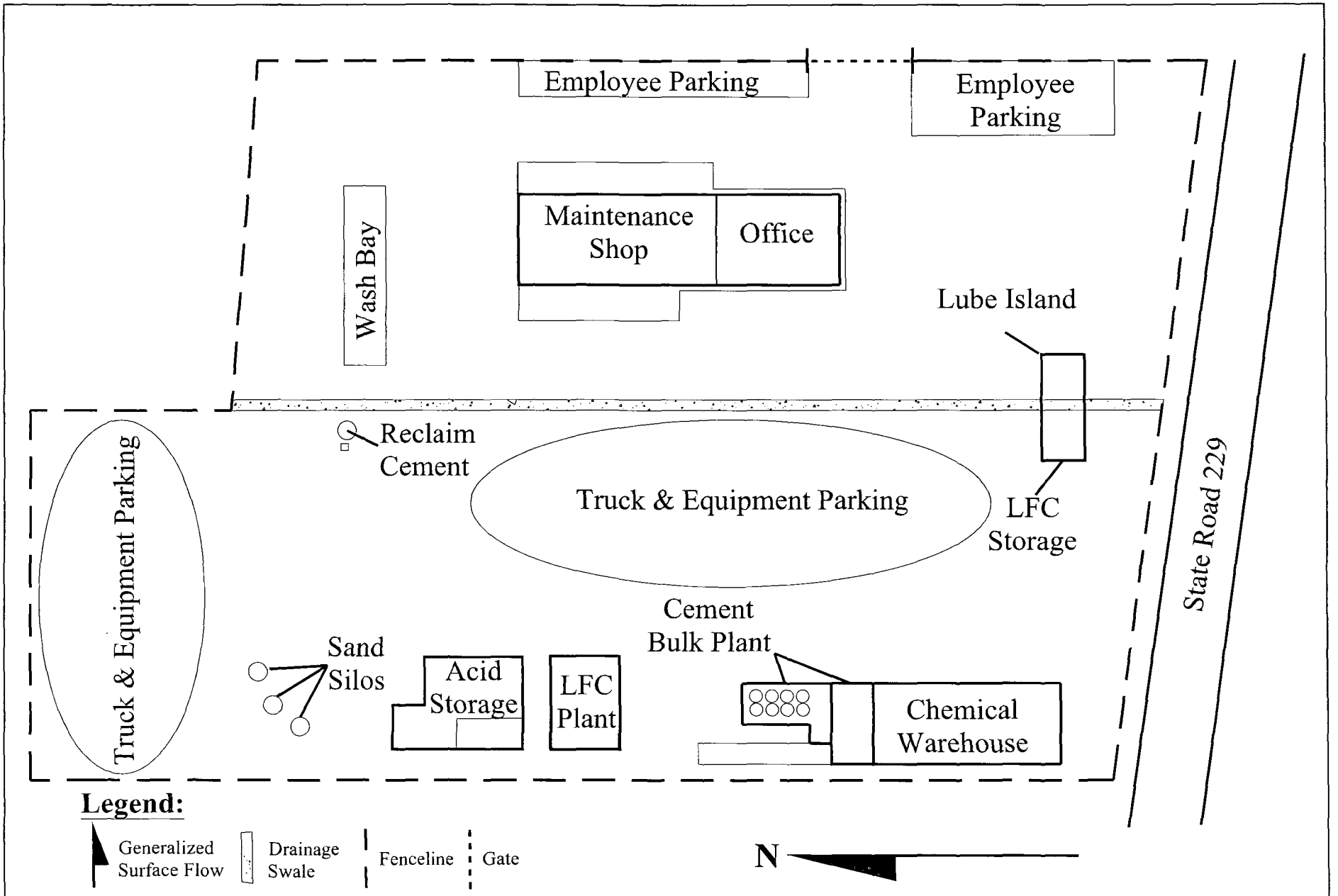
Site Plans



BJ Services Company, USA
11211 FM 2920
Tomball, Texas 77375

Figure 1: Regional Map

Artesia District **2401 Silvey** **Artesia, NM 88210**	**Not To Scale**	**REVISION DATE:** **02/10/10**	**DRAWN BY:** **JCM**



BJ Services Company, USA
11211 FM 2920
Tomball, Texas 77375

Figure 2: Facility Diagram

Artesia District **2401 Silvey** **Artesia, NM 88210**	**Not To Scale**	**REVISION DATE:** **02/05/10**	**DRAWN BY:** JCM

Appendix C

Base/ District HSE Inspection Form

US Inspection - 2010
Base/District HSE Inspection Report

Region:
District/Base:
Inspector: _____

Job Title of Inspector(s): _____

Date of Inspection: _____

Product Line : Pumping Services

Key
N/A - Not Applicable (Default Value)
0 - Needs Immediate Attention
1 - Needs Attention
2 - Meets Standards

Housekeeping Key
N/A - Note Applicable (Default Value)
0 - Needs Immediate Attention
1 - Poor
2 - Needs some attention
4 - Good - Meets Standards

SUMMARY - AREAS

HSE Management Standards
General Facility Conditions
Shop(s)
Locker Room(s) - Washroom(s) - Break Area(s)
Wash Bay
Laboratory
Mixing Tanks/LFC Mixing Area
Forklift
Cement Warehouse & Bulk Plant
Chemical Warehouse
Acid Storage
Head Rack / Iron Rebuild
Fuel Island
Radiation Storage Area
Vehicle
Environmental

QUESTIONS

HSE Management Standards

1	Managers and Supervisors demonstrate ability to navigate QHSE Standards and other HSE system databases
2	Managers and Supervisors are knowledgable of the QHSE Standards that apply to their area of responsibility (have read the standards)
3	HSE Plan for facility, region, or country in place per standard (QHSE Standard - Health & Safety 3.8)
4	HSE Supervisors and Trainers are competent (demonstrated by CAP participation, certifications, education, or Training Plan in place)
5	Personnel trained (or met minimum allowable) per standards prior to assignment.
6	Facility APT in place per standard (QHSE Standards - Health & Safety 5.0)
7	HSE Facility Inspections by region/district staff are current for previous quarter
8	Corrective actions from previous inspections (30 days and older) are closed out
9	Journey Management guidelines followed (QHSE Standard - Health & Safety Section 14.0)
10	Quality of accident reports - complete, corrective action taken, and closed out

11	Radiation
12	Contractor Management
13	Behavior Based Safety (BBS)
14	Emergency Preparedness / Response Plan
15	General Security Measures

General Facility Conditions

1	Emergency plans for fire, injury or chemical spill (posted, current)
2	Fire extinguishers - (operable, inspected, proper location, proper type)
3	Personal protective equipment (used as required)
4	PPE available for visitors or vendors
5	Trained first aiders at facility (sufficient number, identified, posted)
6	Safety signs and notices (sufficient number, all hazards, current)
7	Safety bulletin board (current)
8	Entryway/gateway (signed, unobstructed)
9	Parking (sufficient, unobstructed, signed)
10	Road surfaces (safe, maintained)
11	Lighting (sufficient, working, assess both internal and external)
12	Heating and cooling system (radiators free/clear, system checked annually, adequate records)
13	Electrical panels and wiring (labeled, secure, maintained)
14	Landscape (presentable, maintained)
15	Safety signs for LTI free days (up to date, visible)
16	Notice to visitors and vendors (where to go, posted)
17	Speed limit signs (posted, visible, adhered to)
18	Security fence (sufficient, maintained)
19	Fixed stairs, ladders, walkways, handrails, gates and doors (maintained, clear, safe)
20	Material safety data sheets (accessible locally, current) Dispatch?
21	Containers (appropriate, stacked, labeled)
22	Pallets (adequate, maintained, safe)
23	Noise levels (signage, measured)
24	Flammable gas (caged, signed, segregated)
HK	Housekeeping (Rating 0,1,2,4)

Shop(s)	
1	Hand tools (condition, noise, sufficient number, proper storage)
2	Grinding equipment (signs/visibility, tool rests, wheels inspected/maintained)
3	Welding and cutting equipment (stored properly, flash back arrestors, welding screens)
4	Cranes, hoists and jacks (capacity signed, periodic inspection, tested, records)
5	Lubrication area (clean, labeled, spill controls)
6	Parts storage (secure, labeled, clean, records)
7	Overhead storage area (posted for capacity, heavy items below, undamaged, secured to hazard points on floor)
8	Battery charging and storage area (separate, clean, ventilated)
9	Painting and paint storage area (contained, labeled, appropriate)
10	Cleaning agents and solvents area (storage, ventilated or enclosed, hazard signage, MSDS available)
11	Work benches (clean, tidy, vice condition)
12	Oily rag containers (enclosed, metal, labeled)
13	Lockout/tagout procedures (adhered, monitored, effective, understood)
14	Ladders (checked periodically and tagged, not painted)
15	Machine tools (pillar drill, lathe, etc.) (maintained, guarded, PPE available, signage, tested)
16	Used oil and filters being properly handled
17	Used anti-freeze being properly handled
18	Air compressors (belts guarded, auto start signage, PRV's checked annually/tagged)
19	Overhead doors (height marked, good working order)
20	Aerosols free of chlorinated hydrocarbons
HK	Housekeeping (Rating 0,1,2,4)

Locker Room(s) - Washroom(s) - Break Area(s)	
1	Ventilation (adequate)
2	Showers and sinks (adequate, clean, maintained)
3	Toilets (adequate, clean, maintained)
4	Lockers (sufficient size/number, accessible, lockable)
5	Drinking water (available)
6	Sufficient personal storage and changing space (clean, maintained, adequate)

7	Any required regulations/posters
HK	Housekeeping (Rating 0,1,2,4)

Wash Bay

1	Pressure Washer in separate room
2	Sumps clean & routinely maintained
3	Wash water contained on wash bay
4	Wash water and sump sludge properly managed
5	Wash wands in good condition
HK	Housekeeping (Rating 0,1,2,4)

Laboratory

1	Chemical containers (labeled, secure)
2	Local extraction ventilation (installed, operable, maintained, records)
3	Gas bottle storage (secured, external where possible, regulators checked, labeled)
4	Safety shower and eyewash (maintained, tested)
5	Samples stored and labeled properly
HK	Housekeeping (Rating 0,1,2,4)

Mixing Tanks/LFC Mixing Area

1	Condition of tanks
2	Products protected from weather
3	Hoses, pumps, piping in good condition
4	Diesel tank containment adequate and free of spills
5	Cranes & hoists adequate, inspected, labeled
HK	Housekeeping (Rating 0,1,2,4)

Forklift

1	Forks (condition, maintained, appropriate)

2	Pre-use check sheets (available, utilized)
3	Area FLT warning signage (visible)
4	Rated capacity shown on FLT
5	FLT Operators (trained, licensed, nominated)

Cement Warehouse & Bulk Plant	
1	Gates, walkways, railings and ladders (maintained, clear, safe)
2	Climbing safety devices, harness (inspected, records, sufficient, available, utilized)
3	Dust collector (working properly, maintained, inspected)
4	Silo pressure relief valves (periodic inspection/ test /calibration, records)
5	Air compressors (belts guarded, auto start signage, PRV's checked annually/tagged)
6	Partial bags properly stored
HK	Housekeeping (Rating 0,1,2,4)

Chemical Warehouse	
1	All chemicals (identified, labeled)
2	Dry chemicals stored properly
3	Safety shower and eyewash (maintained, tested)
4	Hoses, piping and valves (clear, operable, stowed appropriately)
5	Tanks vented to outside
6	Proper Handling of empty containers
7	Floors (flat, clean, impermeable)
8	Sump (empty, clean, isolated)
9	Racking (capacity signed, inspections)
10	Waste/surplus chemicals (routinely identified, correct storage, correct and regular disposal)
11	Proper stacking (drums and bag pallets no more than three [3] high)
12	Empty containers being removed frequently & properly
HK	Housekeeping (Rating 0,1,2,4)

Acid Storage

1	Gates, walkways, railings and ladders (maintained, clear, safe)
2	Pump, fittings, valves, piping and hoses (condition, maintained)
3	Tank contents identified and measured (type, capacity, labeled)
4	Scrubber (maintained, inspected)
5	Acid loading area clean and free of spills
6	Acid tank containment viable (walls and bottom)
7	UN specification buckets being used for hazardous material
8	Safety shower and eyewash (maintained, tested)
9	Spill kit (shovel, neutralizer)
10	Bulk tanks in good condition
11	Chemical additive system (present, working, maintained)
12	Reclaim tank installed & working properly if required
HK	Housekeeping (Rating 0,1,2,4)

Head Rack / Iron Rebuild

1	Heads, manifolds, swages stored safely
2	Thread protectors
3	Baker vise or better
4	Hoist Adequate
5	Lifting chains safe
6	Adequate pipe wrenches
HK	Housekeeping (Rating 0,1,2,4)

Fuel Island

1	Pumps (barriered off)
2	Fuel storage (barriered off)
3	Hoses and pumps (condition, clean, proper type, date, stowed appropriately)
4	Waste container (metal, lidded, labeled)
5	Fuel and oil tanks in secondary containment and free of spills
6	Fuel island area clean and free of spills

7	Fuel and oil tanks properly labeled
HK	Housekeeping (Rating 0,1,2,4)

Radiation Storage Area

1	Current copy of RA licenses on display
2	Copy of RA "Notice to Employees" on display
3	BJ Services Radiation Protection Manual available
4	Country/State NRC regulations available
5	Storage area locked
6	Are sources properly labeled ?
7	Utilization log available and current
8	Bill of Lading being used
HK	Housekeeping (Rating 0,1,2,4)

Vehicle

1	Seat Belt Operational
2	Seat Condition
3	Loose Objects in Cab
4	Loads Secure
5	Deck Equipment Secure
6	Vehicle Coupling Device
7	Air Hoses and Connections
8	Ladders
9	Fire Extingusher (UL Rating of 10B:C or more)
10	First Aid Kit
11	Cab Glass
12	Wipers
13	Placard Holders
14	Mirrors
15	Lights and Reflectors
16	Brake / Engine / Washer Fluid Levels

17	Tire and Rim Condition
18	Tool Box
19	Spillage control Materials and Equipment
20	All documents current
21	Annual inspection current
22	Ensure seat belts are present and functional for each seat. Check for belt fraying, cuts & general serviceability.
HK	Housekeeping (Rating 0,1,2,4)

Additional Information Required
Please enter unit numbers of the vehicles inspected : Housekeeping: No loose objects such as bumpers / fenders or mirrors etc. due to impact Housekeeping: Ensure carpet and seat conditions are serviceable (No significant contamination or dirt debris)

Environmental

1	Environmental recordkeeping systems established
2	Permits & registrations available & current when applicable
3	Waste records maintained (Bill of lading, manifests)
4	Waste disposed of by certified or Company approved vendor
5	Environmental plans current (storm water, spill prevention, emergency response)
6	Proper storage of waste materials (segerated and labeled)
7	Spill control material (available, appropriate, utilized)
8	Surface-water/storm-water drains & discharge points free of oil, debris, etc
9	No open containers outside collecting water
10	Yard free of leaks and spills
11	Trash containers closed - Lids viable
12	Containers present to contain leaking drums, fluids or clean up materials
13	All fuel, oil and diesel tanks in good condition
14	All fuel and oil tanks have adequate containment and free of spills

CORRECTIVE ACTION RESPONSIBILITY

Corrective Actions Assigned to: _____ **Due Date for Completion:** _____

Corrective Action Status: _____

SIGNATURE SECTION

If you are the relevant District/Facility Manager, Region/Country/Area Manager, District/ HSE Officer or Other

Relevant Manager you should sign the report when you have read it. To add your signature to the appropriate section, click the **Edit** button (to enter Edit mode), then click on the **Review and Sign Off** button. This will add your name and the current date to the Accident Report in the relevant section below.

Reviewed and Signed Off by the Following:-

District Safety/Training Supervisor _____

District Manager _____

Region Safety/Training Manager _____

Region Manager _____

Facility / Service Supervisor _____

Other Relevant Personnel _____

Appendix D

Facility Emergency Response Contingency Plan

BJ Services Company
Artesia District

Emergency Response Plan

Artesia District
Emergency Response Plan

This emergency Plan is necessary for the District and its personnel to minimize personal injury, property damage and business interruptions caused by any catastrophe, such as fire, storm, tornado, etc.

1. EMERGENCY TELEPHONE NUMBERS

A. Emergency Number – 911
B. Hospital – 575-748-3333
C. Ambulance – 911 or 575-746-5004
D. Fire Department – 911 or 575-746-5004
E. Police – 911 or 575-746-2704
F. District Manager – 575-746-3140 or Cell 575-746-7199
G. Operations Supervisor – 575-746-3140 or 575-746-7589 or 575-513-0429
H. Dispatch – 575-746-3140

2. ACTION TEAM MEMBERS

A. **ACTION TEAM MAKE-UP AND DUTIES**: All operations concerning evacuation, rescue, spill containment, fire fighting procedures, securing utilities, medical (First Aid), public relations, clean up and all clear to re-enter areas, will be handled by the district action team. This team will be made up of the operations supervisor, trainer, sr. mechanic, and sr. bulk plant operator. They will coordinate all operations and assign qualified personnel to perform whatever necessary actions or precautions should be taken. This team will be the only authority when it comes to any operation that involves the district security and protection. The "All Clear" signal to re-enter areas will come from them and only after inspecting those areas personally for safety and secured condition of each one. The team members will assign their standbys in the event of absence. Dispatch will be notified of these personnel and their location.

B. Central control area will be by the Main Gate, unless conditions permit the use of the dispatch office.

3. FIRE FIGHTING PROCEDURES

A. **HAZARDOUS MATERIALS HANDLING** : Check hazardous material list of chemicals before attempting to fight any fires in the bulk plant or the acid dock area. Knowledgeable people such as facilities manager and bulk plant operators should be consulted before any fire fighting is attempted. Radioactive area is clearly marked on the back of the yard and should not be entered without contacting the district engineer or the lab personnel.

B. **FIRE EXTINGUISHER LOCATIONS**: Location of all fire extinguishers is on the map of the yard facilities. Consult this reference before attempting to enter an area to fight a fire. All mobile equipment have a fire extinguisher mounted behind the cab.

C. **SECURING UTILITIES**: Electricity for the entire district facility can be secured by throwing switches on power panels located on the east side of the bulk plant outside. The gas shut off is located at the meter at the north end of the bulk plant and the east of the main building outside of the fence.

D. **FIRE FIGHTING WATER AVAILABLE**: Fire hydrant is located at the northeast corner of the wash bay. A 1" water hose on the acid dock. The fire extinguisher locations are noted on the facility maps. All rolling equipment have a fire extinguisher located behind the cab on the driver's side.

4. EVACUATION OF PERSONNEL AND EQUIPMENT

A. **PERSONNEL**: All personnel on the district facility will meet outside of the main gate after given the order to evacuate. From that point, all personnel will go to the nearest safe point near the district to receive information on rescue, recovery and control measures to be taken. All clear signal will be given this point as well.

B. **EQUIPMENT**: Only equipment that is to be used in control and containment will be removed from the facility. Any equipment that could be in immediate danger, or that can be removed without risking any personal harm or injury to personnel in the area should be removed. Equipment used to contain hazardous material spills will be moved to a safe place on the facility until ready for use.

5. SECURITY

A. **ALL SITUATIONS AND INCIDENCES**: All outside persons, except fire fighting personnel will be kept off the facility until the all clear has been given. The District Manager will assign all those in charge of this duty. All outsiders must be kept out of the dangerous areas. The possibility of explosion, fumes, radioactive materials, etc., may be present and complete measures must be taken to control its confinement.

6. RADIOACTIVE MATERIAL HANDLING

A. Review BJ Services Radiation Manual for emergency procedures involving radioactive materials. Manuals for both BJ Services and the State can be found in the front office, in the lab, or in the District Engineer office. Only qualified personnel should be involved in clean up and containment procedures.

7. PUBLIC RELATION

A. The district policy is to cooperate fully with members of the press as representatives of the public. District policy is to provide all possible factual information as quickly as possible within the normal limits of safety and security. The District Manager will designate the person or persons responsible for this activity.

8. SERIOUS INJURIES AND FATALITIES

A. Responsibility – a personal visit by the Manager and any other personnel assigned by the Manager is recommended when informing the family of the circumstances. This should be done as soon as possible and in a manner in line with BJ Services philosophy and procedure.

9. MEDICAL

A. All operating field personnel will be qualified in basic first aid and will help with the injuries on the scene until qualified medical help arrives. The District Manager will designate these personnel or any other persons assigned by the Manager. First aid supplies will be supplied using facility and mobile kits available at the time.

B. In case of chemical poisoning and help cannot be obtained from the Houston office, you should call the nearest poison control center available. Consult Material Data Sheets Manual to find information on first aid measures to be taken until qualified help can be reached. Manuals can be found in the District Safety & Training Supervisors office.

10. ACID TANK FAILURE

A. **SPILL CONTROL AND CONTAINMENT**: First, clear area of all Personnel and give aid to the injured. Establish security measures and keep all personnel clear of the area. An action team comprised of the District Manager, Facilities Manager and Safety & Training Supervisors will select personnel to start clean up and containment procedures. A forklift will be activated and utilized to move soda ash and lime to the lowest point in the facilities to dam up fluid flow and neutralize strong acid on the surface. Construction companies in the area will be contracted to bring in materials to strengthen the dam so as to contain all fluid within the facilities. Next, will be the ordering of clean-up equipment, i.e.: front loaders, dump trucks, fill material, vacuum trucks, etc. BJ Services (district) transports will

be positioned by the main gate. There the vacuum trucks will meet with transports to begin pulling fluid off the ground and washing down with fresh water to force the strong fluid to the low point in the yard where all fluid on the ground will be pulled into the vacuum trucks and moved to a disposal well or area.

After all fluid is picked up off of the ground, clean up and repair operations will commence using all district personnel available. Action team will coordinate all operations.

11. PROCEDURES FOR SEARCH AND RESCUE

A. Emergency Response Plan Supervisor will appoint personnel for search and rescue team. This team is assigned the job of assuring the evacuation of all persons in the emergency area. They will search all areas to be sure that all personnel are evacuated to the Central Control Area.

LOCKOUT

Lockout procedure for BJ Services Company.

PURPOSE

This procedure establishes the minimum requirements for lockout of energy sources that could cause injury to personnel. All employees shall comply with the procedure.

RESPONSIBILITY

The responsibility for seeing that this procedure is followed is binding upon all employees. All employees shall be instructed in the safety significance of the lockout procedure (designate individual). Each new or transferred affected employee shall be instructed by the designated individuals in the purpose and use of the lockout procedure.

PREPARATION FOR LOCKOUT

Employees authorized to perform lockout shall be certain as to which switch, valve or other energy isolating devices apply to the equipment being locked out. More than one energy source (electrical, mechanical, or others) may be involved. The employees shall clear any questionable identification of sources with their supervisors. Before lockout commences, job authorization should be obtained.

SEQUENCE OF LOCKOUT PROCEDURE

1. Notify all affected employees that a lockout is required and the reason therefore.

2. If the equipment id operating, shut it down by the normal stopping procedure (depress stop button, open toggle switch).

3. Operate the switch, valve, or other energy-isolating device that the energy source(s) (electrical, mechanical, hydraulic, etc) is disconnected or isolated from the equipment. Stored energy, such as that in capacitors, springs, elevated machine members, rotating flywheels, hydraulic systems, and air, gas, steam, or water pressure, etc., must also be dissipated or restrained by methods such as grounding, repositioning, blocking, bleeding down, etc.

4. Lockout the energy isolating devices with an assigned individual lock.

5. After ensuring that no personnel are exposed and a check on having disconnected the energy sources, operate the push button or other normal operating controls to make certain the equipment will not operate. **CAUTION:** Return operating controls to neutral position after the test.

6. The equipment is now locked.

RESTORING EQUIPMENT TO SERVICE

1. When the job is complete and equipment is ready for testing or normal service, check the equipment area to see that no one is exposed.

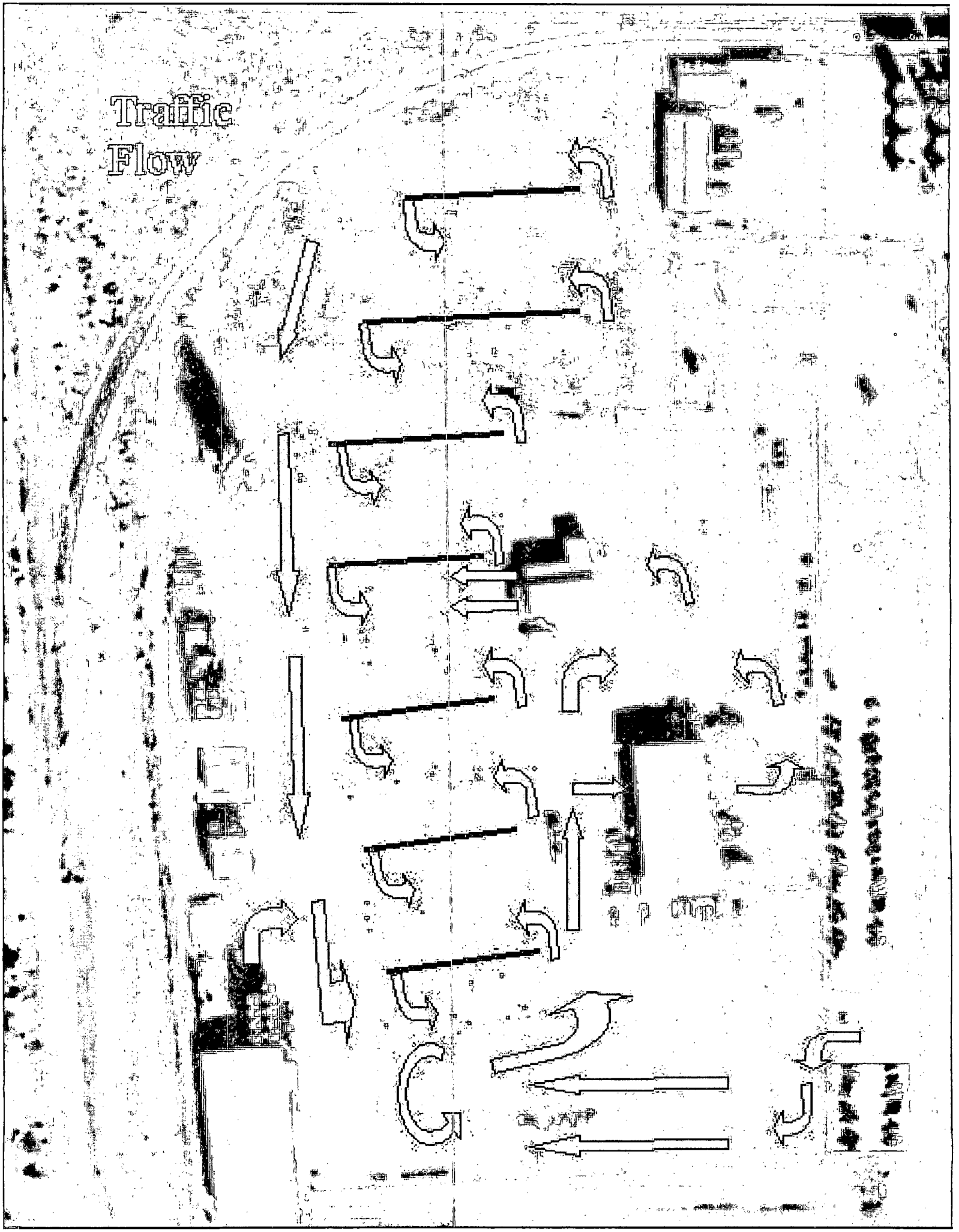
2. When equipment is all clear, remove all locks. The energy isolating devices may be operated to restore energy to equipment.

PROCEDURE INVOLVING MORE THAN ONE PERSON

In the preceding steps, if more than one individual is required to lockout equipment, each shall place his own personal lock on the energy isolating devices(s). One designated individual of a work crew or a supervisor, with the knowledge of the crew makes out the equipment for the whole crew. In such cases, it shall be the individual who carries out all steps of the lockout procedure and to inform the crew when it is safe to work on the equipment. Additionally, the designated individual shall not remove a crew lock until it has been verified that all individuals are clear.

RULES FOR USING LOCKOUT PROCEDURE

All equipment shall be locked out to protect against accidental or inadvertent operation when such operation could cause injury to personnel. Do not attempt to operate any switch, valve, or other energy-isolating device bearing a lock.


Traffic
Flow

Appendix E

Boring Log

Monitoring Well: DM-1B

Project Name: BJ Services Company, U.S.A. Project Number: 25546.001 Sheet 1 of 2

Project Location: Artesia, New Mexico		Logged By: Scott Sale	Approved: Lynn Wright
Drilling Contractor: Harrison and Cooper		Date Started: 2/24/04	Date Finished: 2/24/02
Drilling Equipment: TH-60	Driller: Clay	Total Boring Depth: (feet) 40.0	Depth to Static Water: (feet)
Drilling Method: Air Rotary	Borehole Diameter: 5.5"	TOC Elevation:	Ground Elevation:
Sampling Method: Soil cuttings		Diameter and Type of Well Casing: 2" Schedule 40 PVC	
Comments:		Slot Size: 0.010	Filter Material: 20/40
		Development Method: Bailer	

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
				CONCRETE					1.5 Flush mount completion Bentonite-cement grout (0-1.5').
2				FILL					
		SM		SILTY SAND (SM); Red/pink; loose; dry; contains small amounts of clay.	0.0				
4					0.0				
6					0.0				
8					0.0				
10				SILTY SAND; Black/grey; contains hydrocarbon odors.	15.6				Bentonite Seal (1.5-23')
12					21.9				
14					38				
16				SILTY SAND; Grey; loose; dry	70				
18					40.3				
20		ML		CLAYEY SILT (ML); Grey; loose; dry	25.7				
22		CL		SILTY CLAY (CL); Dark brown; soft; dry	6.3				23.0
24					20.9				2" Diameter Schedule 40 PVC Screen 0.01" Slot (25-40').
26				SILTY CLAY; Brown/red	0.0				
28	▼	SM		SILTY SAND (SM); Red/brown; loose; dry	0.0				
30					0.0				20/40 Silica Sand Filter Pack (23-40').
32									

Monitoring Well: DM-1B

Project Name: BJ Services Company, U.S.A. Project Number: 25546.001 Sheet 2 of 2

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
34				SILTY SAND; contains a small amount of clay.	0.0				
36					0.0				
38					0.0				
40				SILTY SAND; loose; dry; contains some clay.	0.0				40.0

Appendix F

Storm Water Best Management Practice

Table 3
BMP Identification

Location/Area	BMPs and Description
Bulk Plant	▪Dust Control – The bulk plant is a completely enclosed pneumatic system. A dust collector is in place and maintained to control dust emissions from the system. ▪Spill Clean-up – Spills of dry material will be swept up immediately and either reused or disposed of properly. ▪Good Housekeeping – The bulk plant area will be kept clean and orderly. ▪Inspection – The bulk plant is inspected regularly during facility reviews. Any visible dust emissions will be corrected immediately.
Wash Bay	▪Sump - The wash bay is sloped towards an in-ground sump that collects all wastewater. ▪Covered Wash Bay – The wash bay is covered by a permanent roof structure. This greatly minimizes the potential for impacting storm water runoff. ▪Walls – The wash bay is a completely enclosed building to prevent any potential impact of wash waters to storm water. ▪Overspray Control – Overspray of washwater will be minimized by the wash bay operator. Operators will be sufficiently trained to prevent overspray from leaving the confines of the wash bay. ▪Good Housekeeping – The wash bay area will be kept clean and orderly. ▪Inspections – The wash bay is inspected regularly during facility reviews. Any overspray or evidence of washwater releases from the wash bay area will be corrected immediately.
Acid Storage Area	▪Secondary Containment – The acid tank is contained in an impervious concrete containment area. If a release did occur from this tank, the berm will provide sufficient containment. ▪Loading area – There is a concrete catch basin directly below the acid/chemical loading area. If chemicals are released during loading, all fluids will enter this catch basin. ▪Good Housekeeping – The acid storage area will be kept clean and orderly. ▪Inspections – The acid tank, associated piping, secondary containment, loading area, and drum storage area are all inspected regularly during facility reviews. Any problems with this equipment will be corrected immediately.

Table 3 continued

Location/Area	BMPs and Description
Truck/Equipment Parking Area	▪Area Maintenance – The soil and/or pavement in this area will be spot treated as necessary to address any leaks from equipment. ▪Preventative Maintenance – The facility has a preventative maintenance program in place to keep equipment in good working order. This program will help keep equipment from leaking. ▪Absorbent material – Employees will place absorbent pads or catchment pans under equipment that leak. The leak should be reported to the Maintenance Supervisor. ▪Good Housekeeping – The truck parking area will be kept clean and orderly. ▪Inspections – This area is regularly inspected during facility reviews. Any areas, which need attention, will receive it immediately.
Chemical Warehouse	▪Covered Building – The chemical warehouse is a covered building which greatly minimizes any products exposure to storm water. ▪Spill Clean-up – Spills inside and outside the building will be cleaned-up immediately to prevent the spill from migrating out of the building and impacting storm water runoff. ▪Good Housekeeping – The chemical warehouse area will be kept clean and orderly. ▪Inspections – This area is regularly inspected during facility reviews. Any spills or other problems identified will be addressed immediately.
Maintenance Shop	▪Covered Building – The maintenance shop is a covered building which greatly minimizes any exposure to storm water. ▪Spill Clean-up – Spills inside and outside the shop will be cleaned-up immediately to prevent the spill from migrating out of the shop and impacting storm water runoff. ▪Good Housekeeping – The maintenance shop will be kept clean and orderly. ▪Inspections – This area is regularly inspected during facility reviews. Any spills or other problems identified will be addressed immediately.
Drum Storage Area	▪Containment Area – Drums are stored in a concrete containment storage area. ▪Spill Clean-up – Spills of drummed chemicals should be cleaned up immediately upon discovery. ▪Good Housekeeping – The drum storage area will be kept clean and orderly. ▪Inspections – This area is regularly inspected during facility reviews. Any spills or other problems identified will be addressed immediately.

Table 3 continued

Location/Area	BMPs and Description
LFC Storage & Loading Area	▪Secondary Containment - Storage is placed in a secondary containment sufficient to contain a catastrophic failure plus adequate freeboard for precipitation. ▪Drip Pan – A drip pan is placed underneath the valves, gauges, and fittings associated with the loading area to prevent any leakage of LFC onto the ground. ▪Spill Clean-up – Spills will be cleaned up with absorbent material immediately and disposed of properly. ▪Good Housekeeping – The LFC area will be kept clean and orderly. ▪Inspection – The LFC blending area is inspected regularly during facility reviews. Any spills or other problems identified will be addressed immediately.
Lube Island	▪Containments - The lube island is outdoors and the tanks are in containments to ensure that it retains any liquid if a spill occurs. ▪Spill Clean-up – Spills will be cleaned-up immediately to prevent the spill from migrating away from lube island and impacting storm water runoff. ▪Good Housekeeping – The lube island will be kept clean and orderly. ▪Inspections – This area is regularly inspected on a daily basis. Any spills or other problems identified will be addressed immediately.

July 29, 2005

CERTIFIED MAIL NO. 7005 0390 0001 6362 0590
RETURN RECEIPT REQUESTED

Mr. Wayne Price
New Mexico OCD
1220 South Saint Francis Drive
Santa Fe, NM 87505

RE: Discharge Permit GW-190, BJ Services Company, USA 2401 Sivley Artesia, NM 88210.

Dear Mr. Price:

BJ Services Company, U.S.A. (BJ Services) has enclosed its signed discharge plan approval conditions for the above referenced facility.

If you have any questions or concerns, please contact me at (281) 357-2573.

Sincerely,

Jason Goodwin P.G.
HSE Specialist

Cc: Jo Ann Cobb – Tomball
Robert Payne – Artesia
David Winkles – Midland
File – Tomball

RECEIVED
AUG 8 - 2005
OIL CONSERVATION
DIVISION

ATTACHMENT TO THE DISCHARGE PERMIT GW-190 APPROVAL
BJ Services USA, Artesia Facility (GW-190)
DISCHARGE PERMIT APPROVAL CONDITIONS
July 05, 2005

1. Payment of Discharge Permit Fees: The $100.00 filing fee and $1700.00 flat fee as been received.

2. Commitments: The permit holder will abide by all commitments submitted in the discharge permit renewal application and these conditions for approval.

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

4. 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.

5. 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 facilities or modifications to existing facilities must place the tank on an impermeable type pad within the berm.

6. 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.

7. Labeling: All tanks, drums, and other containers should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

8. Below Grade Tanks/Sumps/Pits/Ponds: All below grade tanks, sumps, pits and ponds must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design, unless approved otherwise. All below grade tanks, sumps and pits must be tested annually or as specified herein, except systems that have secondary containment with leak detection. These systems with leak detection shall have a monthly inspection of the leak detection to determine if the primary containment is leaking. Results of tests and inspections shall be maintained at the facility covered by this discharge permit and available for OCD inspection. Any system found to be leaking shall be reported to OCD within 15 days. Permit holders may propose various methods for testing such as 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.

9. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be approved by the OCD prior to installation and must be tested to demonstrate their mechanical integrity every five (5) years. Results of such tests shall be maintained at the facility covered by this discharge permit and available for OCD inspection. Permit holders 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. Any system found to be leaking shall be reported to OCD within 15 days. The OCD will be notified at least 72 hours prior to all testing.

10. Class V Wells: No Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be approved for construction and/or operation unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. 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. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

11. Housekeeping: All systems designed for spill collection/prevention, and leak detection will be inspected daily to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices will be emptied of fluids within 48 hours of discovery.

12. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116. and WQCC 1203.

13. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste determination per 40 CFR Part 261. Any waste stream that is not listed in the discharge permit will be approved by OCD on a case-by-case basis.

    Rule 712 Waste: Pursuant to Rule 712, disposal of certain non-domestic waste is allowed at solid waste facilities permitted by the New Mexico Environment Department as long as the waste stream is identified in the discharge permit, and existing process knowledge of the waste stream does not change without notification to the Oil Conservation Division.

14. OCD Inspections: Additional requirements may be placed on the facility based upon results from OCD inspections.

15. Storm Water Plan: Stormwater runoff plans and controls shall be maintained. As a result of operations if any water contaminant that exceeds the WQCC standards listed in 20 NMAC 6.2.3101 is discharged in any stormwater run-off then immediate corrective actions shall be taken to stop the discharge. OCD shall be notified within 24 hours of discovery and the permit shall be modified within 15 days and submitted for OCD approval.

16. Vadose Zone and Water Pollution: The previously submitted investigation(s) and remediation plans were submitted pursuant to the discharge permit and all future discoveries of contamination will be addressed through the discharge permit.

17. Transfer of Discharge Permit: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge permit. A written commitment to comply with the terms and conditions of the previously approved discharge permit must be submitted by the purchaser and approved by the OCD prior to transfer.

18. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

19. Certification: **BJ Services Company USA** by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. **BJ Services Company USA** further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Conditions accepted by: **BJ Services Company USA**

Robert A. Payne
Company Representative- print name

R. A. Payne Date 7/25/05
Company Representative- Sign

Title District Manager

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

July 05, 2005

Ms. Jo Ann Cobb
Manager of Environmental Services
BJ Services Company USA
11211 FM 2920
Tomball, Texas 77375

Re: Discharge Permit GW-190
BJ Services Company USA, Artesia Facility

Dear Ms. Cobb:

The groundwater discharge permit for the BJ Services Company, USA, Artesia Facility GW-190 operated by BJ Services Company, USA located in the SE/4 SE/4 of Section 32, Township 16 South, Range 26 East, NMPM, Eddy County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 30 working days of receipt of this letter.**

The original discharge permit was approved on June 15, 1995 with an expiration date of June 13, 2000. The discharge permit renewal application dated January 24, 2005 submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations also includes all earlier applications and all conditions later placed on those approvals.

The discharge permit is renewed pursuant to Section 3109.C. Please note Section 3109.G., which provides for possible future amendment of the permit. Please be advised that approval of this permit does not relieve BJ Services Company, USA of liability should operations result in pollution of surface or ground waters, or the environment.

Please be advised that all exposed pits, including lined pits and open top tanks (exceeding 16 feet in diameter) shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that Section 3104. of the regulations requires that "when a permit has been approved, discharges must be consistent with the terms and conditions of the permit." Pursuant to Section 3107.C., BJ Services Company, USA is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.H.4., this approval is for a period of five years. **This approval will expire June 15, 2010** and an application for renewal should be submitted in ample time before that date. Pursuant to Section 3106.F. of the regulations, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved.

The discharge permit application for the BJ Services USA, Artesia Facility is subject to the WQCC Regulation 3114. Every billable facility submitting a discharge permit will be assessed a fee equal to the filing fee of $100 plus a renewal flat fee of $1700.00 for an oilfield service company. BJ Services has submitted the filing fee and flat fee.

Please make all checks payable to:	**Water Quality Management Fund** **C/o: Oil Conservation Division** **1220 S. Saint Francis** **Santa Fe, New Mexico 87505.**

If you have any questions, please contact Wayne Price of my staff at (505-476-3487) or E-mail wayne.price@state.nm.us. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/lwp
Attachment-1
xc: OCD Artesia Office

ATTACHMENT TO THE DISCHARGE PERMIT GW-190 APPROVAL
BJ Services USA, Artesia Facility (GW-190)
DISCHARGE PERMIT APPROVAL CONDITIONS
July 05, 2005

1. Payment of Discharge Permit Fees: The $100.00 filing fee and $1700.00 flat fee as been received.

2. Commitments: The permit holder will abide by all commitments submitted in the discharge permit renewal application and these conditions for approval.

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

4. 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.

5. 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 facilities or modifications to existing facilities must place the tank on an impermeable type pad within the berm.

6. 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.

7. Labeling: All tanks, drums, and other containers should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

8. Below Grade Tanks/Sumps/Pits/Ponds: All below grade tanks, sumps, pits and ponds must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design, unless approved otherwise. All below grade tanks, sumps and pits must be tested annually or as specified herein, except systems that have secondary containment with leak detection. These systems with leak detection shall have a monthly inspection of the leak detection to determine if the primary containment is leaking. Results of tests and inspections shall be maintained at the facility covered by this discharge permit and available for OCD inspection. Any system found to be leaking shall be reported to OCD within 15 days. Permit holders may propose various methods for testing such as 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.

9. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be approved by the OCD prior to installation and must be tested to demonstrate their mechanical integrity every five (5) years. Results of such tests shall be maintained at the facility covered by this discharge permit and available for OCD inspection. Permit holders 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. Any system found to be leaking shall be reported to OCD within 15 days. The OCD will be notified at least 72 hours prior to all testing.

10. Class V Wells: No Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be approved for construction and/or operation unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. 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. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

11. Housekeeping: All systems designed for spill collection/prevention, and leak detection will be inspected daily to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices will be emptied of fluids within 48 hours of discovery.

12. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116. and WQCC 1203.

13. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste determination per 40 CFR Part 261. Any waste stream that is not listed in the discharge permit will be approved by OCD on a case-by-case basis.

    Rule 712 Waste: Pursuant to Rule 712, disposal of certain non-domestic waste is allowed at solid waste facilities permitted by the New Mexico Environment Department as long as the waste stream is identified in the discharge permit, and existing process knowledge of the waste stream does not change without notification to the Oil Conservation Division.

14. OCD Inspections: Additional requirements may be placed on the facility based upon results from OCD inspections.

15. Storm Water Plan: Stormwater runoff plans and controls shall be maintained. As a result of operations if any water contaminant that exceeds the WQCC standards listed in 20 NMAC 6.2.3101 is discharged in any stormwater run-off then immediate corrective actions shall be taken to stop the discharge. OCD shall be notified within 24 hours of discovery and the permit shall be modified within 15 days and submitted for OCD approval.

16. Vadose Zone and Water Pollution: The previously submitted investigation(s) and remediation plans were submitted pursuant to the discharge permit and all future discoveries of contamination will be addressed through the discharge permit.

17. Transfer of Discharge Permit: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge permit. A written commitment to comply with the terms and conditions of the previously approved discharge permit must be submitted by the purchaser and approved by the OCD prior to transfer.

18. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

19. Certification: **BJ Services Company USA** by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. **BJ Services Company USA** further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Conditions accepted by: **BJ Services Company USA**

_____
Company Representative- print name

_____Date_____
Company Representative- Sign

Title_____

Ms. Jo Ann Cobb
Manager of Environmental Services
BJ Services Company USA
11211 FM 2920
Tomball, Texas 77375

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

May 08, 2000

OIL CONSERVATION DIV.
00 MAY 22 AM 10: 25

CERTIFIED MAIL
RETURN RECEIPT NO. 5051 5857

Ms. Jo Ann Cobb
Manager of Environmental Services
BJ Services Company USA
11211 FM 2920
Tomball, Texas 77375

Re: Discharge Plan GW-190 Renewal Application
BJ Services Company USA, Artesia Facility

Dear Ms. Cobb:

The groundwater discharge plan renewal application for the BJ Services Company, USA, Artesia Facility GW-190 operated by BJ Services Company, USA located in the SE/4 SE/4 of Section 32, Township 16 South, Range 26 East, NMPM, Eddy County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within ten working days of receipt of this letter.**

The original discharge plan was approved on June 15, 1995 with an expiration date of June 13, 2000. The discharge plan renewal application, including attachments, February 11, 2000 and supplemental information dated March 10, 2000 submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations also includes all earlier applications and all conditions later placed on those approvals.

The discharge plan is renewed pursuant to Section 3109.C. Please note Section 3109.G., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve BJ Services Company, USA of liability should operations result in pollution of surface or ground waters, or the environment.

Please be advised that all exposed pits, including lined pits and open top tanks (exceeding 16 feet in diameter) shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that Section 3104. of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C., BJ Services Company, USA is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.H.4., this approval is for a period of five years. **This approval will expire June 15, 2005** and an application for renewal should be submitted in ample time before that date. Pursuant to Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan application for the BJ Services USA, Artesia Facility is subject to the WQCC Regulation 3114. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of $50 plus a renewal flat fee of $690.00 for an oilfield service company. The OCD has not received the $690.00 flat fee. The flat fee of $690.00 may be paid in a single payment due on the date of the discharge plan approval or in five equal installments over the expected duration of the discharge plan. Installment payments shall be remitted yearly, with the first installment due on the date of the discharge plan approval and subsequent installments due on this date of each calendar year.

Please make all checks payable to: Water Management Quality Management Fund
Attn: Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505.

If you have any questions, please contact Wayne Price of my staff at (505-827-7155). On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/lwp
Attachment-1
xc: OCD Artesia Office

ATTACHMENT TO THE DISCHARGE PLAN GW-190 APPROVAL
BJ Services USA, Artesia Facility (GW-190)
DISCHARGE PLAN APPROVAL CONDITIONS
May 08, 2000

1. Payment of Discharge Plan Fees: The $50.00 filing fee has been received by OCD. The $690.00 flat fee shall be submitted upon receipt of this approval. The required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

2. Commitments: BJ Services Company, USA will abide by all commitments submitted in the discharge plan renewal application dated February 11, 2000 and supplemental information dated March 10, 2000 and these conditions for approval.

3. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums should be stored on their sides with the bungs in place and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets must also be stored on an impermeable pad with curbing. BJ Services shall submit documentation to OCD by August 15, 2000 showing proper containment for chemical drum storage.

4. 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.

5. 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 facilities or modifications to existing facilities must place the tank on an impermeable type pad within the berm.

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9. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity no later than July 14, 2000 and every 5 years, from tested date, thereafter. Permittees 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. The test results will be submitted to OCD in the annual report due on August 15, 2000.

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BJ Services Company USA will submit a closure plan or an operating plan for OCD approval by August 15, 2000 for the truck maintenance shop floor drain and leech field system. Operating plans for Class V wells must demonstrate that groundwater will not be impacted in the reasonably foreseeable future.

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Conditions accepted by: **BJ Services Company, USA -BJ Services USA**

Mike Wiggins
Company Representative- print name

[signature] Date 5-15-00
Company Representative- Sign

Title District Manager

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

May 08, 2000

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Manager of Environmental Services
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11211 FM 2920
Tomball, Texas 77375

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Conditions accepted by: **BJ Services Company, USA -BJ Services USA**

_____
Company Representative- print name

_____ Date_____
Company Representative- Sign

Title_____

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

State of New Mexico
Energy Minerals and Natural Resources

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

Revised June 10, 2003

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: OIL AND GAS SERVICES
2. Operator: BJ SERVICES COMPANY, USA

   Address: 2401 SIVLEY RD. ARTESIA NM 88210

   Contact Person: JASON GOODWIN Phone: 281 357-2573
3. Location: SE /4 SE /4 Section 32 Township 16S Range 26E

   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

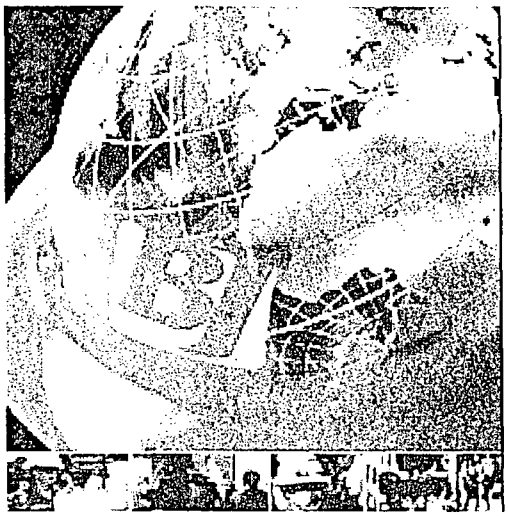
14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Jo Ann Cobb Title: Mgr. Env. Services

Signature: Jo A Cobb Date: 1-19-05

E-mail Address: jcobb@bjservices.com

Artesia Discharge Plan



BJ Services Company, USA

2401 Sivley Road

Artesia, NM 88210

January 2005

Table of Contents

Appendices

I. Type of Operation

BJ Services Company, U.S.A. provides oilfield services, including cementing, acidizing, chemical treatment, and fracturing services at oil and gas well sites.

II. Operator

BJ Services Company, U.S.A.
2401 Sivley
Artesia, NM 88210
Contact: Robert Payne

III. Location

Section 32, Township 16S, Range 26E (See Appendix B, Figure 1, Regional Map)

IV. Landowner of Facility Site

BJ Services Company, U.S.A.
5500 Northwest Central Drive
Houston, TX 77092
281-357-2572
Contact: Jo Ann Cobb, R.E.M.

V. Facility Description

See Appendix B, Figure 2, Site Plan

VI. Materials Stored and Used at the Facility

Material	Hazardous Ingredients	Form	Type of Container	Estimated Volume Stored (gallons)	Location
Acids	Hydrochloric	Liquid	Tank	25,000 gallons	Acid dock
Detergents	Detergent	Liquid	Fiberglass Tank	330 gallons	Yard next to Wash Bay
Antifreeze	Various	Liquid	Totes	55 gallons	Shop
Surfactants	Various	Liquid	Totes	300 gallons	Acid Dock and Drum Storage
Inhibitors	Various	Liquid	Totes	330 gallons	Acid Dock and Drum Storage
Nonemulsifiers	Various	Liquid	Totes	330 gallons	Acid Dock and Drum Storage
Others	Cement	Solid	Silos	850 Tons	Bulk Plant
Biocides	Various	Liquid	Drum/Pails	2500 gallons	Drum Storage
Cleaning and Wetting Agents	Various	Liquid	Drum/Tank	4000 gallons	Drum Storage
Corrosion Inhibitor	Various	Liquid	Drum/Tank	6000 gallons	Drum Storage
Methanol	Methanol	Liquid	Drum	2000 gallons	Drum Storage
Oxygen Scavenger	Various	Liquid	Drum	500 gallons	Drum Storage
Packer Fluid Blend	Various	Liquid	Drum	1000 gallons	Drum Storage
Parraffin Inhibitor	Various	Liquid	Drum	2000 gallons	Drum Storage
Scale Inhibitor	Various	Liquid	Drum	3000 gallons	Drum Storage
Emulsion Breaker	Various	Liquid	Drum	500 gallons	Drum Storage

VII. Sources of Effluent and Waste Solids

Waste Type	Source and Composition	Volume per Month	Major Additives
Used Oil	Storage Tank	350 gallons	oils
Used Antifreeze	Drums	55 gallons	antifreeze
Tank Residual from cleaning	Storage Tank	100 gallon per month	Varies by product
Off-spec chemicals	Drums	100 gallons	Varies by product
Gloves, Absorbent socks and rags	Daily Operations	50-lbs	Varies by product
Sump Waste	Washbay	100 gallons	oil and grease

VIII. Current Liquid and Solid Waste Collection/Treatment/Disposal Procedures

Waste Type	On Site Handling	Disposal	Disposal Facilities
Solvent/Degreaser	Drum	Recycled Off-site	Thermo Fluids, Inc. 2303 Lubbock Road Brownfield, Texas 79316 800-350-7565
Used Oil	Oil pans are emptied into a receptacle and then pumped from the receptacle to a storage tank outside shop	Recycled Off-site	Thermo Fluids, Inc. 2303 Lubbock Road Brownfield, Texas 79316 800-350-7565
Oil Filters	Stored in Drums	Recycled Off-site	Thermo Fluids, Inc. 2303 Lubbock Road Brownfield, Texas 79316 800-350-7565
Tank Residual from clean-outs	Stored in Drums	Recycled Offsite	Univar 311 Lark Ave Odessa, Texas 79760 1-800-777-3342
Off-spec chemicals	Stored in Drums	Recycled Offsite	Univar 311 Lark Ave Odessa, Texas 79760 1-800-777-3342
Gloves, Absorbent socks, and rags	Stored in Drums	Recycled Offsite	Univar 311 Lark Ave Odessa, Texas 79760 1-800-777-3342

IX. Proposed Modifications

The Artesia facility proposes to add an additional 3000 cubic foot silo and baghouse to the facility for reclaim cement. BJ Services is currently working with New Mexico Environmental Department (NMED) for the necessary permit modifications (See Appendix B, Figure 3 Bulk Plant Modifications).

X Inspection and Maintenance

See Appendix A, Permit
See Appendix C, Base/District HSE Inspection Form
See Appendix G, New Mexico Oil Conservation Division (NMOCD) required inspections

- All facility sumps are inspected on an annual basis using NMOCD approved methods.
- All underground lines are inspected every five years using NMOCD approved methods.

XI. Contingency Plan

See Appendix D, Facility Emergency Response Contingency Plan

XII. Site Characteristics

Bodies of Water: None

Arroyos: None

Groundwater Characteristics: Depth to Groundwater (bgs): 20 feet (See Appendix E for boring log.)

Flooding Potential: None

Appendix A

Permit

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

May 08, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. 5051 5857

Ms. Jo Ann Cobb
Manager of Environmental Services
BJ Services Company USA
11211 FM 2920
Tomball, Texas 77375

Re: Discharge Plan GW-190 Renewal Application
BJ Services Company USA, Artesia Facility

Dear Ms. Cobb:

The groundwater discharge plan renewal application for the BJ Services Company, USA, Artesia Facility GW-190 operated by BJ Services Company, USA located in the SE/4 SE/4 of Section 32, Township 16 South, Range 26 East, NMPM, Eddy County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within ten working days of receipt of this letter.**

The original discharge plan was approved on June 15, 1995 with an expiration date of June 13, 2000. The discharge plan renewal application, including attachments, February 11, 2000 and supplemental information dated March 10, 2000 submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations also includes all earlier applications and all conditions later placed on those approvals.

The discharge plan is renewed pursuant to Section 3109.C. Please note Section 3109.G., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve BJ Services Company, USA of liability should operations result in pollution of surface or ground waters, or the environment.

Please be advised that all exposed pits, including lined pits and open top tanks (exceeding 16 feet in diameter) shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that Section 3104. of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C., BJ Services Company, USA is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.H.4., this approval is for a period of five years. **This approval will expire June 15, 2005** and an application for renewal should be submitted in ample time before that date. Pursuant to Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan application for the BJ Services USA, Artesia Facility is subject to the WQCC Regulation 3114. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of $50 plus a renewal flat fee of $690.00 for an oilfield service company. The OCD has not received the $690.00 flat fee. The flat fee of $690.00 may be paid in a single payment due on the date of the discharge plan approval or in five equal installments over the expected duration of the discharge plan. Installment payments shall be remitted yearly, with the first installment due on the date of the discharge plan approval and subsequent installments due on this date of each calendar year.

Please make all checks payable to: Water Management Quality Management Fund
C/o: Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505.

If you have any questions, please contact Wayne Price of my staff at (505-827-7155). On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/lwp
Attachment-1
xc: OCD Artesia Office

ATTACHMENT TO THE DISCHARGE PLAN GW-190 APPROVAL
BJ Services USA, Artesia Facility (GW-190)
DISCHARGE PLAN APPROVAL CONDITIONS
May 08, 2000

1. Payment of Discharge Plan Fees: The $50.00 filing fee has been received by OCD. The $690.00 flat fee shall be submitted upon receipt of this approval. The required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

2. Commitments: BJ Services Company, USA will abide by all commitments submitted in the discharge plan renewal application dated February 11, 2000 and supplemental information dated March 10, 2000 and these conditions for approval.

3. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums should be stored on their sides with the bungs in place and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets must also be stored on an impermeable pad with curbing. BJ Services shall submit documentation to OCD by August 15, 2000 showing proper containment for chemical drum storage.

4. 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.

5. 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 facilities or modifications to existing facilities must place the tank on an impermeable type pad within the berm.

6. 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.

7. Labeling: All tanks, drums, and other containers should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

8. 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 be tested to demonstrate their mechanical integrity no later than July 14, 2000 and every year from tested date, thereafter. Permittees may propose various methods for testing such as 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. The test results will be submitted to OCD in an annual report due on August 15, of each year.

9. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity no later than July 14, 2000 and every 5 years, from tested date, thereafter. Permittees 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. The test results will be submitted to OCD in the annual report due on August 15, 2000.

10. Class V Wells: No Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be approved for construction and/or operation unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. 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. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

Truck Maintenance Shop Floor Drain Leech Field:

BJ Services Company USA will submit a closure plan or an operating plan for OCD approval by August 15, 2000 for the truck maintenance shop floor drain and leech field system. Operating plans for Class V wells must demonstrate that groundwater will not be impacted in the reasonably foreseeable future.

11. Housekeeping: All systems designed for spill collection/prevention, and leak detection will be inspected daily to ensure proper operation and to prevent over topping or system failure.

12. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116. and WQCC 1203. to the OCD Artesia District Office.

13. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste determination per 40 CFR Part 261. Any waste stream that is not listed in the discharge plan will be approved by OCD on a case-by-case basis.

14. OCD Inspections: Additional requirements may be placed on the facility based upon results from OCD inspections.

15. Storm Water Plan: BJ Services Company, USA will submit a storm water run-off plan for OCD approval by August 15, 2000.

16. Vadose Zone and Water Pollution: The previously submitted investigation and remediation plans were submitted pursuant to the discharge plan and all future discoveries of contamination will be addressed through the discharge plan process.

17. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

18. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

19. Certification: **BJ Services Company, USA** by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. **BJ Services Company, USA** further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Conditions accepted by: **BJ Services Company, USA -BJ Services USA**

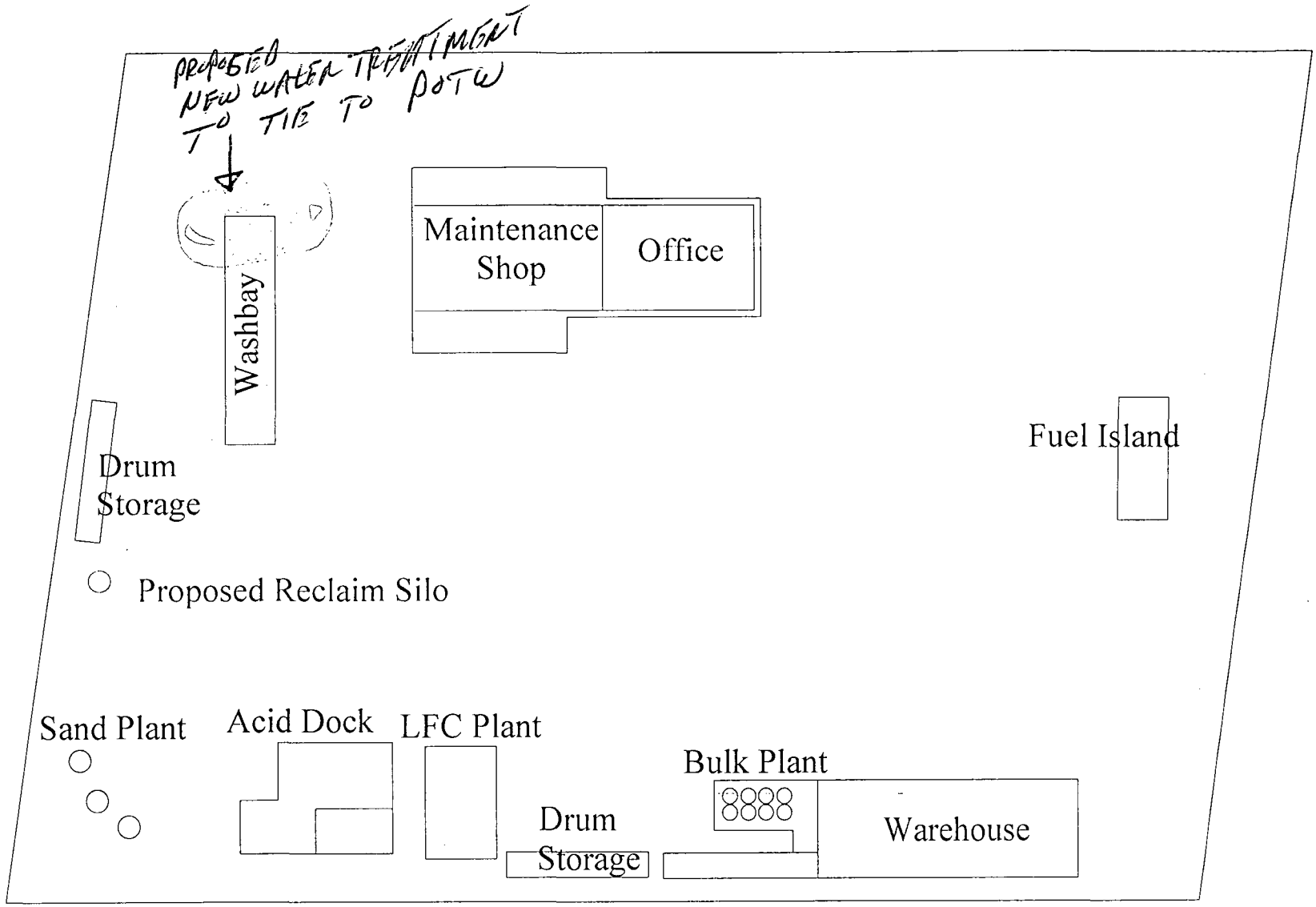
_____
Company Representative- print name

_____ Date_____
Company Representative- Sign

Title_____

Appendix B

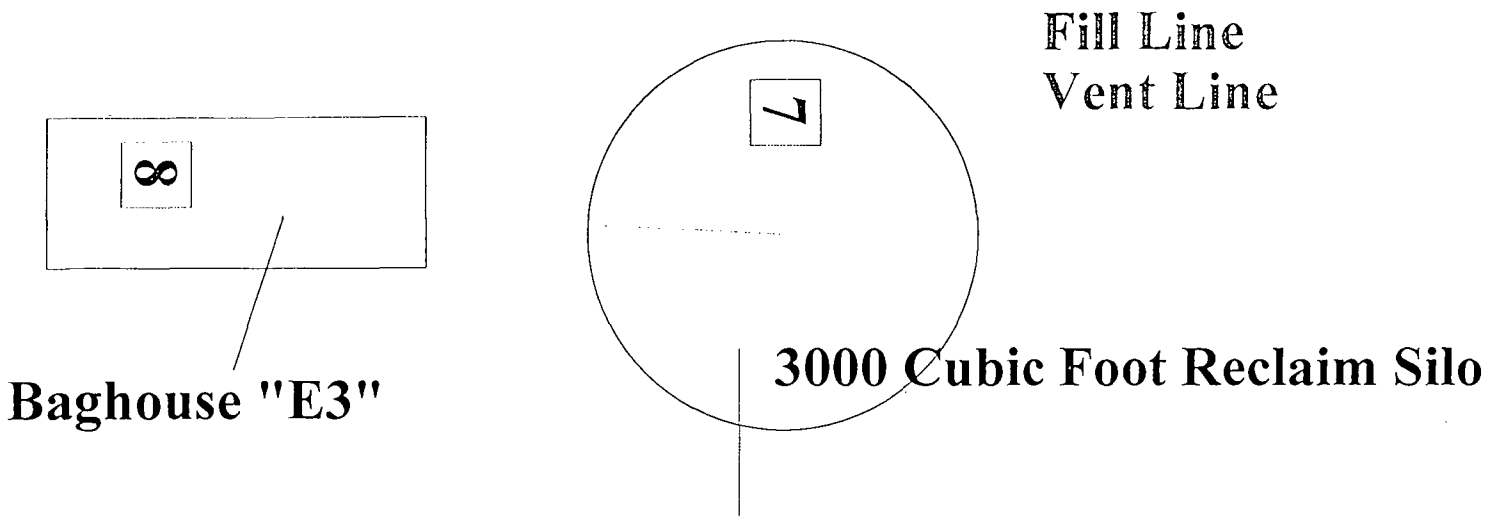
Site Plans

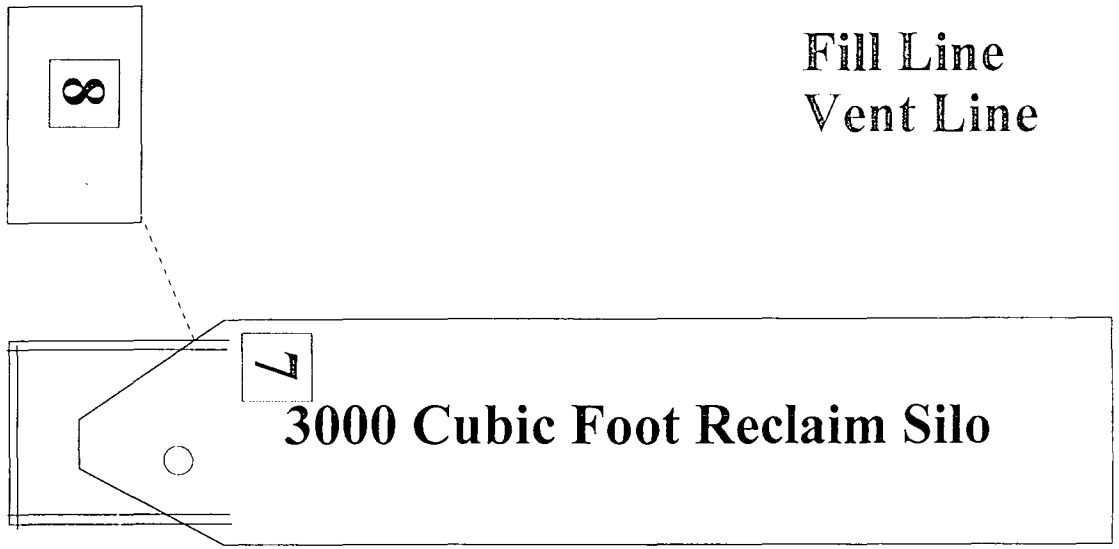


BJ Services Company, USA
11211 FM 2920
Tomball, Texas 77375

Figure 2: Facility Diagram

	Not To Scale	REVISION DATE: 11/13/03	DRAWN BY: JSG





BJ Services Company, USA
11211 FM 2920
Tomball, Texas 77375

Figure 3: Reclaim Process Flow Diagram

	Not To Scale	**REVISION DATE: 10/14/04**	**DRAWN BY: JSG**

Appendix C

Base/ District HSE Inspection Form

ETECH

Environmental & Safety Solutions, Inc.

Date: January 18, 2005

Subject: Summary Report for Sump Integrity Inspections – Artesia, New Mexico

Client: BJ Services Company, USA

BJ Services Company, USA (BJS) contracted Etech Environmental & Safety Solutions, Inc. (Etech) to complete a sump integrity inspection of all sumps located at the BJS facility in Artesia, New Mexico. The purpose of the integrity inspections is to satisfy regulatory requirements of the New Mexico Oil Conservation Division (OCD), Discharge Plan that include annual sump integrity inspections.

The first stage of the inspections involves the cleaning of the sumps to be inspected. On Wednesday, October 6, 2004 a vacuum truck was used to remove all liquids and as much of the bottom sedimentation as possible. The same day the sumps were pressured washed to remove the remaining sedimentation prior to conducting the visual inspections.

A total of nine (9) sumps were visually inspected on October 6, 2004. A description, dimension and comment of all inspected sumps are summarized as follows:

Sump #1 Concrete sump inside the wash bay. Dimensions are 36" wide by 290" long and a depth of 50". One 4" outlet pipe. No visual cracks but erosion and pitting observed in sides during the inspection.

Sump #2 Concrete sump inside the wash bay. Dimensions are 36" wide by 290" long and a depth of 50". One 4" outlet pipe. No visual cracks but observed some minor pitting on sides during the inspection.

Sump #3 Fiberglass sump for consolidation of wash bay liquids. This sump has an outside frame of fiberglass with concrete poured inside to line the walls. Dimensions are 25" diameter and a depth of 74". One 4" inlet pipe. No visual cracks or defects observed during the inspection.

P.O. Box 8469 Midland TX 790708-8469 Tel: 432-563-2200 Fax: 432-563-2213

Sump #4 Concrete trough located in the truck loading area of the acid dock, this trough drains into a 48" diameter by 63" deep main sump. Dimensions of the trough are 18" wide by 208" long and a depth of 20". The sump has an outside frame of fiberglass with concrete poured inside to line the walls. No visual cracks or pitting observed in the sump but areas of pitting observed throughout the trough during the inspection.

Sump #5 This is another sump with outside fiberglass and inside wall of concrete located just west of sump #4 outside the retaining wall. Dimensions are 40" diameter and a depth of 48". No visual cracks observed but the concrete has severe pitting. The pitting should not be a problem due to the outside will of the sump being constructed of fiberglass.

Sump #6 Acid dock sump with outside wall of fiberglass and inside wall of concrete located northwest of sump #5 outside the retaining wall. Dimensions are 40" diameter and a depth of 48". No visual cracks observed but the concrete has some pitting. The pitting should not be a problem due to the outside will of the sump being constructed of fiberglass.

Sump #7 Concrete sump inside west section of the truck maintenance shop. Dimensions are 18" wide by 876" long and a depth of 10". One 4" outlet pipe. No visual cracks or defects observed during the inspection.

Sump #8 Concrete sump inside east section of the truck maintenance shop. Dimensions are 16" wide by 1116" long and a depth of 9.5". One 4" outlet pipe. No visual cracks or defects observed during the inspection.

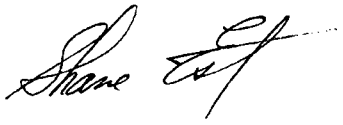
Sump #9 Concrete sump inside central section of the truck maintenance shop. This sump is broken into two sections, a west section with the dimensions of 23" wide by 38" long and a depth of 52". The east section has dimensions of 36" wide by 42" long and a depth of 60". One 4" outlet pipe. No visual cracks or defects observed during the inspection.

Drain lines into and out of all sumps were blinded off using inflatable drain plugs. All sumps were filled with water to a point close to the top edge and then the side of the sump was painted with spray paint to mark a straight line along the fill point of the water. The sumps were allowed to set for at least four hours prior to checking for a loss of fluid in each sump.

All sumps and the separators were filled with water on the morning of October 6, 2004 and inspected in the evening of October 6, 2004. No loss of water was observed in any of the sumps or separators.

Based on the above referenced inspections and testing, all sumps and separators located at the BJS Artesia facility appear to be in good condition with no indication of cracks or leaking.

Prepared by:
Etech Environmental & Safety Solutions, Inc.



Shane Estep, P.G.

US Inspection - 2005
Base/District HSE Inspection Report

Region: Permian Basin
District/Base: Artesia
Inspector: _____

Job Title of Inspector(s): _____

Date of Inspection: _____

Product Line : Pumping Services

Key
N/A - Not Applicable (Default Value)
0 - Needs Immediate Attention
1 - Needs Attention
2 - Meets Standards

Housekeeping Key
N/A - Note Applicable (Default Value)
0 - Needs Immediate Attention
1 - Poor
2 - Needs some attention
4 - Good - Meets Standards

SUMMARY - AREAS

General Facility Conditions
Shop(s)
Locker Room(s) - Washroom(s) - Break Area(s)
Wash Bay
Laboratory
Mixing Tanks/LFC Mixing Area
Forklift
Cement Warehouse & Bulk Plant
Chemical Warehouse
Acid Storage
Head Rack / Iron Rebuild
Fuel Island
Sand Storage Area
Water Tanks - Test Tanks - Water Supply
Radiation Storage Area
Vehicle2
Environmental Records

QUESTIONS

General Facility Conditions

1	Current mandatory safety legislation posters
2	Local legislative accident log (e.g. OSHA 300 or equivalent)
3	Emergency evacuation assembly point (posted, visible, unobstructed)
4	Emergency plans for fire, injury or chemical spill (posted, current)
5	Emergency phone numbers posted (fire, ambulance, police, doctor, chemical spills, injuries)
6	Fire alarm call point (in working order/visible)
7	Fire extinguishers - (operable, inspected, proper location, proper type)
8	Personal protective equipment (used as required)
9	PPE available for visitors or vendors
10	First aid kit (adequate number of, adequately stocked, highly visible)

11	Trained first aiders at facility (sufficient number, identified, posted)
12	Safety signs and notices (sufficient number, all hazards, current)
13	Safety bulletin board (current)
14	Entryway/gateway (signed, unobstructed)
15	Parking (sufficient, unobstructed, signed)
16	Road surfaces (safe, maintained)
17	Lighting (sufficient, working, assess both internal and external)
18	Heating and cooling system (radiators free/clear, system checked annually, adequate records)
19	Electrical panels and wiring (labeled, secure, maintained)
20	Landscape (presentable, maintained)
21	BJ Services company signs (visible, maintained)
22	Prohibited articles/substances sign (visible, maintained)
23	Safety signs for LTI free days (up to date, visible)
24	Notice to visitors and vendors (where to go, posted)
25	Speed limit signs (posted, visible, adhered to)
26	Security fence (sufficient, maintained)
27	Fixed stairs, ladders, walkways, handrails, gates and doors (maintained, clear, safe)
28	Emergency exits/routes (signed, unobstructed, site plan of)
29	Hazardous chemicals inventory (held locally, current)
30	Material safety data sheets (accessible locally, current) Dispatch?
31	Spill control material (available, appropriate, utilized)
32	Knowledge of environmental and safety (HSE) manuals
33	Knowledge of emergency response plans (fire, injury, spillage)
34	Surface-water/storm-water drains & discharge points free of oil, debris, etc
35	Site isolation valves marked/signed, access to, maintained (electricity, gas, water, drains)
36	Drains (surface/foul) emergency cut-off valves - where installed (work properly)
37	No open containers outside collecting water
38	Gravel, rock or dirt areas free of spills or stains
39	Pavement free of leaks and spills
40	Proper storage of waste materials (segregated & labeled)
41	Knowledge of spill reporting procedures
42	Trash containers closed - Lids viable
43	Containers (appropriate, stacked, labeled)

44	Safe storage of waste (correctly segregated, labeled)
45	Pallets (adequate, maintained, safe)
46	Noise levels (signage, measured)
47	Flammable gas (caged, signed, segregated)
48	Road traffic signage (speed limits posted, warning signage for pedestrians)
49	Segregation of pedestrians/vehicles (walkways marked, railings)
HK	Housekeeping (Rating 0,1,2,4)

Shop(s)	
1	Hand tools (condition, noise, sufficient number, proper storage)
2	Grinding equipment (signs/visibility, tool rests, wheels inspected/maintained)
3	Welding and cutting equipment (stored properly, flash back arrestors, welding screens)
4	Cranes, hoists and jacks (capacity signed, periodic inspection, tested, records)
5	Lubrication area (clean, labeled, spill controls)
6	Parts storage (secure, labeled, clean, records)
7	Overhead storage area (posted for capacity, heavy items below, undamaged, secured to hazard points on floor)
8	Material safety data sheets (accessible locally, current) - Shop materials involved
9	Battery charging and storage area (separate, clean, ventilated)
10	Shop sumps clean & routinely maintained
11	Painting and paint storage area (contained, labeled, appropriate)
12	Cleaning agents and solvents area (storage, ventilated or enclosed, hazard signage, MSDS available)
13	Work benches (clean, tidy, vice condition)
14	Oily rag containers (enclosed, metal, labeled)
15	Lockout/tagout procedures (adhered, monitored, effective, understood)
16	Ladders (checked periodically and tagged, not painted)
17	Machine tools (pillar drill, lathe, etc.) (maintained, guarded, PPE available, signage, tested)
18	Used oil and filters being properly handled
19	Used anti-freeze being properly handled
20	Air compressors (belts guarded, auto start signage, PRV's checked annually/tagged)
21	Overhead doors (height marked, good working order)
22	Parts cleaner waste being properly handled

23	Oil tanks (all) have adequate containment & free of spills
24	Aerosols free of chlorinated hydrocarbons
HK	Housekeeping (Rating 0,1,2,4)

Locker Room(s) - Washroom(s) - Break Area(s)

1	Ventilation (adequate)
2	Showers and sinks (adequate, clean, maintained)
3	Toilets (adequate, clean, maintained)
4	Lockers (sufficient size/number, accessible, lockable)
5	Drinking water (available)
6	Sufficient personal storage and changing space (clean, maintained, adequate)
7	Any required regulations/posters
HK	Housekeeping (Rating 0,1,2,4)

Wash Bay

1	Pressure Washer in separate room
2	Sumps clean & routinely maintained
3	Wash water contained on wash bay
4	Wash water properly managed
5	Sump sludge being handled properly
6	Wash wands in good condition
HK	Housekeeping (Rating 0,1,2,4)

Laboratory

1	Chemical containers (labeled, secure)
2	Only required chemicals on hand (labeled, secure)
3	Local extraction ventilation (installed, operable, maintained, records)
4	Gas bottle storage (secured, external where possible, regulators checked, labeled)
5	Safety shower and eyewash (maintained, tested)

6	Material safety data sheets (accessible locally, current)
7	Waste chemicals (correct storage, correct and regular disposal)
8	Samples stored and labeled properly
HK	Housekeeping (Rating 0,1,2,4)

Mixing Tanks/LFC Mixing Area

1	Condition of tanks
2	Products protected from weather
3	Hoses, pumps, piping in good condition
4	Diesel tank containment adequate and free of spills
5	Cranes & hoists adequate, inspected, labeled
HK	Housekeeping (Rating 0,1,2,4)

Forklift

1	Forks (condition, maintained, appropriate)
2	Pre-use check sheets (available, utilized)
3	Area FLT warning signage (visible)
4	Rated capacity shown on FLT
5	Backup alarm and/or flashing light (audible, working)
6	FLT Operators (trained, licensed, nominated)
7	Controls (operate properly, maintained)
8	Brakes (operate properly, maintained)
9	Horn (operates properly, maintained)
10	Seat condition (maintained, comfortable)
11	Headlights (sufficient, working)
12	Rollover protection fitted

Cement Warehouse & Bulk Plant

1	Material safety data sheets (accessible locally, current)
2	Gates, walkways, railings and ladders (maintained, clear, safe)

3	Climbing safety devices, harness (inspected, records, sufficient, available, utilized)
4	Dust collector (working properly, maintained, inspected)
5	Silo pressure relief valves (periodic inspection/ test /calibration, records)
6	Air compressors (belts guarded, auto start signage, PRV's checked annually/tagged)
7	Partial bags properly stored
HK	Housekeeping (Rating 0,1,2,4)

Chemical Warehouse

1	All chemicals (identified, labeled)
2	Dry chemicals stored properly
3	Safety shower and eyewash (maintained, tested)
4	Hoses, piping and valves (clear, operable, stowed appropriately)
5	Tanks vented to outside
6	Proper Handling of empty containers
7	Used spill material container (available, empty, clean, isolated)
8	Floors (flat, clean, impermeable)
9	Sump (empty, clean, isolated)
10	Racking (capacity signed, inspections)
11	Material safety data sheets (accessible locally, current)
12	Waste/surplus chemicals (routinely identified, correct storage, correct and regular disposal)
13	Proper stacking (drums and bag pallets no more than three [3] high)
14	Empty containers being removed frequently & properly
15	Empty containers segregated from full containers
16	Empty containers completely empty
17	Containers present to contain leaking drums, fluids or clean up materials
HK	Housekeeping (Rating 0,1,2,4)

Acid Storage

1	Gates, walkways, railings and ladders (maintained, clear, safe)
2	Pump, fittings, valves, piping and hoses (condition, maintained)
3	Tank contents identified and measured (type, capacity, labeled)

4	Scrubber (maintained, inspected)
5	Acid loading area clean and free of spills
6	Acid tank containment viable (walls and bottom)
7	UN specification buckets being used for hazardous material
8	Safety shower and eyewash (maintained, tested)
9	Spill kit (shovel, neutralizer)
10	Bulk tanks in good condition
11	Chemical additive system (present, working, maintained)
12	Reclaim tank installed & working properly if required
13	Acid and additive tanks labeled
HK	Housekeeping (Rating 0,1,2,4)

Head Rack / Iron Rebuild

1	Heads, manifolds, swages stored safely
2	Thread protectors
3	Baker vise or better
4	Hoist Adequate
5	Lifting chains safe
6	Adequate pipe wrenches
7	Pinpullers to standard
HK	Housekeeping (Rating 0,1,2,4)

Fuel Island

1	Pumps (barriered off)
2	Fuel storage (barriered off)
3	Hoses and pumps (condition, clean, proper type, date, stowed appropriately)
4	Waste container (metal, lidded, labeled)
5	Drip trays (drain to interceptor)
6	Fuel and oil tanks in secondary containment and free of spills
7	Fuel island area clean and free of spills
8	Fuel and oil tanks properly labeled

9	Proper containment (double wall tanks, bunds)
10	Filling nozzles (good working condition, locked off at night)
11	Fuel and oil tanks in good condition
HK	Housekeeping (Rating 0,1,2,4)

Sand Storage Area

1	Electrical safe and clearly marked
2	Railing, walkways, ladders and stairs safe
3	Climbing safety devices
4	All drives guarded
5	Lighting
6	Dust collector (present, maintained)
7	Delivery chutes (present, maintained)
HK	Housekeeping (Rating 0,1,2,4)

Water Tanks - Test Tanks - Water Supply

1	Condition of tanks, hoses, valves and connections
2	Test tank area free of spill & discharges

Radiation Storage Area

1	Current copy of RA licenses on display
2	Copy of RA "Notice to Employees" on display
3	BJ Services Radiation Protection Manual available
4	Country/State NRC regulations available
5	Storage area locked
6	Are sources properly labeled ?
7	Utilization log available and current
8	Bill of Lading being used
HK	Housekeeping (Rating 0,1,2,4)

Vehicle2	
1	Fire Extingusher (UL Rating of 10B:C or more)
2	Windshield and Wipers Condition
3	Tires and Rims Condition
4	Air Hoses and Connections
5	Lights and Reflectors
6	Tool Box
7	Loose Objects in Cab
8	Loads Secure
9	Oil Leaks
10	Annual inspection current

Additional Information Required
Unit Number(s)

Environmental Records	
1	Environmental recordkeeping systems established
2	Permits & registrations available & current when applicable
3	Waste records maintained (Bill of lading, manifests)
4	Waste disposed of by certified or Company approved vendor
5	Environmental plans current (storm water, spill prevention, emergency response)

CORRECTIVE ACTION RESPONSIBILITY

Corrective Actions Assigned to: _____ **Due Date for Completion:** _____

Corrective Action Status: _____

SIGNATURE SECTION

If you are the relevant District/Facility Manager, Region/Country/Area Manager, District/ HSE Officer or Other Relevant Manager you should sign the report when you have read it. To add your signature to the appropriate section, click the **Edit** button (to enter Edit mode), then click on the **Review and Sign Off** button. This will add your name and the current date to the Accident Report in the relevant section below.

Reviewed and Signed Off by the Following:-

District Safety/Training Supervisor _____ **District Manager** _____

Region Safety/Training Manager _____

Region Manager _____

Service Supervisor _____

Other Relevant Personnel _____

Appendix D

Facility Emergency Response Contingency Plan

BJ SERVICES COMPANY
ARTESIA DISTRICT

EMERGENCY RESPONSE PLAN

ARTESIA DISTRICT
EMERGENCY RESPONSE PLAN

This Emergency Plan is necessary for the District and its personnel to minimize personal injury, property damage and business interruptions caused by any catastrophe, such as fire, storm, tornado, etc.

I. EMERGENCY TELEPHONE NUMBERS

A. Emergency Number- 911
B. Hospital- 748-3333
C. Ambulance- 911 or 746-2701
D. Fire Department- 911 or 746-2701
E. Police- 911 or 746-2704
F. District Manager- 746-3140 or Home- 746-7199
G. Oper. Supv.- 746-3140 or Home- 505-746-7485
H. Dispatch- 746-3140

II. ACTION TEAM MEMBERS

A. ACTION TEAM MAKE-UP AND DUTIES: All operations concerning evacuation, rescue, spill containment, fire fighting procedures, securing utilities, medical (First Aid), public relations, clean up and all clear to re-enter areas, will be handled by the district action team. This team will be made up of the operations supervisor, trainer, sr. mechanic, and sr. bulk plant operator. They will coordinate all operations and assign qualified personnel to perform whatever necessary actions or precautions that should be taken. This team will be the only authority when it comes to any operation that involves the district security and protection. The "All Clear" signal to re-enter areas will come from them and only after inspecting those areas personally for safety and secured condition of each one. The team members will assign their standbys in the event of absence. Dispatch will be notified of these personnel and their location.

B. Central control area will be by the Main Gate, unless conditions permit the use of the dispatch office.

III. FIRE FIGHTING PROCUDURES

A. HAZARDOUS MATERIALS HANDLING: Check hazardous material list of chemicals before attempting to fight any fires in the bulk plant or the acid dock area. Knowledgeable people such as facilities manager and bulk plant operators should be consulted before any fire fighting is attempted. Radioactive area is clearly marked on the back of the yard and should not be entered without contacting the district engineer or the lab personnel.

B. FIRE EXTINGUISHER LOCATIONS: Location of all fire extinguishers is on the map of the yard facilities. Consult this reference before attempting to enter an area to fight a fire. All mobile equipment have a fire extinguisher mounted behind the cab.

C. SECURING UTILITIES: Electricity for the entire district facility can be secured by throwing switches on power panels located on the east side of the bulk plant outside. The gas shut off is located at the meter at the north end of the bulk plant and the east of the main building outside of the fence.

D. FIRE FIGHTING WATER AVAILABLE: Fire hydrant is located at the northeast corner of the wash bay. A 1" water hose on the acid dock. The fire extinguisher locations are noted on the facility maps. All rolling equipment have a fire extinguisher located behind the cab on the driver's side.

IV. EVACUATION OF PERSONNEL AND EQUIPMENT

A. PERSONNEL: All personnel on the district facility will meet outside of the main gate after given the order to evacuate. From that point, all personnel will go to the nearest safe point near the district to receive information on rescue, recovery and control measures to be taken. All clear signal will be given from this point as well.

B. EQUIPMENT: Only equipment that is to be used in control and containment will be removed from the facility. Any equipment that could be in immediate danger, or that can be removed without risking any personal harm or injury to personnel in the area should be removed. Equipment used to contain hazardous material spills will be moved to a safe place on the facility until ready for use.

V. SECURITY

A. ALL SITUATIONS AND INCIDENCES: All outside persons, except fire fighting personnel, will be kept off of the facility until the all clear has been given. The District Manager will assign all those in charge of this duty. All outsiders must be kept out of the dangerous areas. The possibility of explosion, fumes, radioactive materials, etc., may be present and complete measures must be taken to control its confinement.

VI. RADIOACTIVE MATERIAL HANDLING

A. Review BJ Services Radiation Manual for emergency procedures Involving radioactive materials. Manuals for both BJ Services and the State can be found in the front office, in the lab, or in the District Engineer office. Only qualified personnel should be involved in clean up and containment procedures.

VII. PUBLIC RELATION

A. The district policy is to cooperate fully with members of the press as representatives of the public. District policy is to provide all possible factual information as quickly as possible within the normal limits of safety and security. The District Manager will designate the person or persons responsible for this activity.

VIII. SERIOUS INJURIES AND FATALITIES

A. Responsibility- a personal visit by the Manager and any other personnel assigned by the Manager is recommended when informing the family of the circumstances. This should be done as soon as possible and in a manner in line with BJ Services philosophy and procedure.

IX. MEDICAL

A. All operating field personnel will be qualified in basic first aid and will help with the injuries on the scene until qualified medical help arrives. These personnel will be designated by the District Manager or any other persons assigned by the Manager. First aid supplies will be supplied using facility and mobile kits available at the time.

B. In case of chemical poisoning and help cannot be obtained from the Houston office, you should call the nearest poison control center available. Consult Material Safety Data Sheets Manual to find information on first aid measures to be taken until qualified help can be reached. Manuals can be found in the District Safety & Training Supervisors office.

X. ACID TANK FAILURE

A. SPILL CONTROL AND CONTAINMENT: First, clear area of all Personnel and give aid to the injured. Establish security measures and keep all personnel clear of the area. An action team comprised of the District Manager, Facilities Manager and Safety & Training Supervisors will select personnel to start clean up and containment procedures. A forklift will be activated and utilized to move soda ash and lime to the lowest point in the facilities to dam up fluid flow and neutralize strong acid on the surface. Construction companies in the area will be contacted to bring in materials to strengthen the dam so as to contain all fluid within the facilities. Next, will be the ordering of clean-up equipment, i.e.: front loaders, dump trucks, fill material, vacuum trucks, etc. BJ Services (district) transports will be positioned by the main gate. There the vacuum trucks will meet with transports to begin pulling fluid off the ground and washing down with fresh water to force the strong fluid to the low point in

the yard where all fluid on the ground will be pulled into the vacuum trucks and moved to a disposal well or area.

After all fluid is picked up off of the ground, clean up and repair operations will commence using all district personnel available. Action team will coordinate all operations.

XI. PROCEDURES FOR SEARCH AND RESCUE

A. Emergency Response Plan Supervisor will appoint personnel for search and rescue team. This team is assigned the job of assuring the evacuation of all persons in the emergency area. They will search all areas to be sure that all personnel are evacuated to the Central Control Area.

LOCKOUT

Lockout procedure for BJ Services Company

PURPOSE

This procedure establishes the minimum requirements for lockout of energy sources that could cause injury to personnel. All employees shall comply with the procedure.

RESPONSIBILITY

The responsibility for seeing that this procedure is followed is binding upon all employees. All employees shall be instructed in the safety significance of the lockout procedure (designate individual). Each new or transferred affected employee shall be instructed by the designated individuals in the purpose and use of the lockout procedure.

PREPARATION FOR LOCKOUT

Employees authorized to perform lockout shall be certain as to which switch, valve or other energy isolating devices apply to the equipment being locked out. More than one energy source (electrical, mechanical, or others) may be involved. The employees shall clear any questionable identification of sources with their supervisors. Before lockout commences, job authorization should be obtained.

SEQUENCE OF LOCKOUT PROCEDURE

(1) Notify all affected employees that a lockout is required and the reason therefore.

(2) If the equipment is operating, shut it down by the normal stopping procedure (depress stop button, open toggle switch).

(3) Operate the switch, valve, or other energy isolating device that the energy source(s) (electrical, mechanical, hydraulic, etc) is disconnected or isolated from the equipment. Stored energy, such as that in capacitors, springs, elevated machine members, rotating flywheels, hydraulic systems, and air, gas, steam, or water pressure, etc., must also be dissipated or restrained by methods such as grounding, repositioning, blocking, bleeding down, etc.

(4) Lockout the energy isolating devices with an assigned individual lock.

(5) After ensuring that no personnel are exposed and a check on having disconnected the energy sources, operate the push button or other normal operating controls to make certain the equipment will not operate. **CAUTION:** Return operating controls to neutral position after the test.

(6) The equipment is now locked.

RESTORING EQUIPMENT TO SERVICE

(1) When the job is complete and equipment is ready for testing or normal service, check the equipment area to see that no one is exposed.

(2) When equipment is all clear, remove all locks. The energy isolating devices may be operated to restore energy to equipment.

PROCEDURE INVOLVING MORE THAN ONE PERSON

In the preceding steps, if more than one individual is required to lockout equipment, each shall place his own personal lock on the energy isolating device(s). One designated individual of a work crew or a supervisor, with the knowledge of the crew makes out the equipment for the whole crew. In such cases, it shall be the individual who carries out all steps of the lockout procedure and to inform the crew when it is safe to work on the equipment. Additionally, the designated individual shall not remove a crew lock until it has been verified that all individuals are clear.

RULES FOR USING LOCKOUT PROCEDURE

All equipment shall be locked out to protect against accidental or inadvertent operation when such operation could cause injury to personnel. Do not attempt to operate any switch, valve, or other energy isolating device bearing a lock.

ACTION PLAN

Spill Prevention Control Countermeasure
SPCC Book is in the Environmental file in the Facility Supervisor's office.
Action Plan (Suggested Plan Outline To Be Used If Your Spill Should Reach Water)

A. **ACTION CENTER** (the location or center that direction for the cleanup and containment
Operation will issue from).
NAME: BJ Services Company USA
STREET: 2401 Sivley
CITY: Artesia
STATE: New Mexico
TELEPHONE: 505-746-3140 or 746-3569

B. **COMMUNICATION**
(A) Federal E.P.A.- Region VI, Dallas, Texas 214-749-3840
(B) Local Fire Department- 911

C. **IMMEDIATE WORK FORCE**
(A) List names and telephone numbers of your own people that would be immediately available to you on a 24 hour basis.
Robert Payne 505-746-7199
Perry Britton 505-365-2498
Joe Greenwood 505-746 2059
James Boling 505-627-1169
Michael Morgan 505-748-7485
Steven Blain 505-748-9898
Enrique Contreras 505-746-8620

(B) List men and equipment that a sub-contractor could make immediately Available to you on a 24 hour basis; also list the telephone numbers of the people to call.
EQUIPMENT: Jim's Water Service 505-748-1352
Wilbank's Trucking, INC. 505-746-6318

D. **STANDBY WORK FORCE**
List additional or standby men and equipment, along with telephone numbers in the event that additional service is needed.
Real Well Service 505-746-4326

E. CLEAN UP MATERIALS

List the availability of materials that may be needed in clean up operation such as straw, sawdust, sand, emulsifiers, detergents, foams, etc.

SAND 300,000 pounds

Spill Kits at shop, oil island, and acid dock

Law Enforcement:

ARTESIA POLICE DEPARTMENT	
Located at 305 N. 7th- Artesia	911 or 746-2704
ROSWELL POLICE DEPARTMENT	
Located at 425 N. Richardson- Roswell	911
CARLSBAD POLICE DEPARTMENT	
Located at 405 S. Halagueno	(505)885-2111
EDDY DOUNTY SHERIFF'S OFFICE	
Located at 305 N. 7th- Artesia	746-2704
NEW MEXICO STATE POLICE	
Located at 304 N. 7th- Artesia	746-2704

Fire:

ARTESIA FIRE DEPARTMENT	
Located at 309 N. 7th- Artesia	911 or 746-2701
ROSWELL FIRE DEPARTMENT	
Located at 425 N. Richardson- Roswell	911
CARLSBAD FIRE DEPARTMENT	
Located at 412 S. Alameda- Carlsbad	(505)885-2111

Ambulance:

ARTESIA AMBULANCE SERVICE	
Located at 309 N. 7th- Artesia	911 or 746-2701

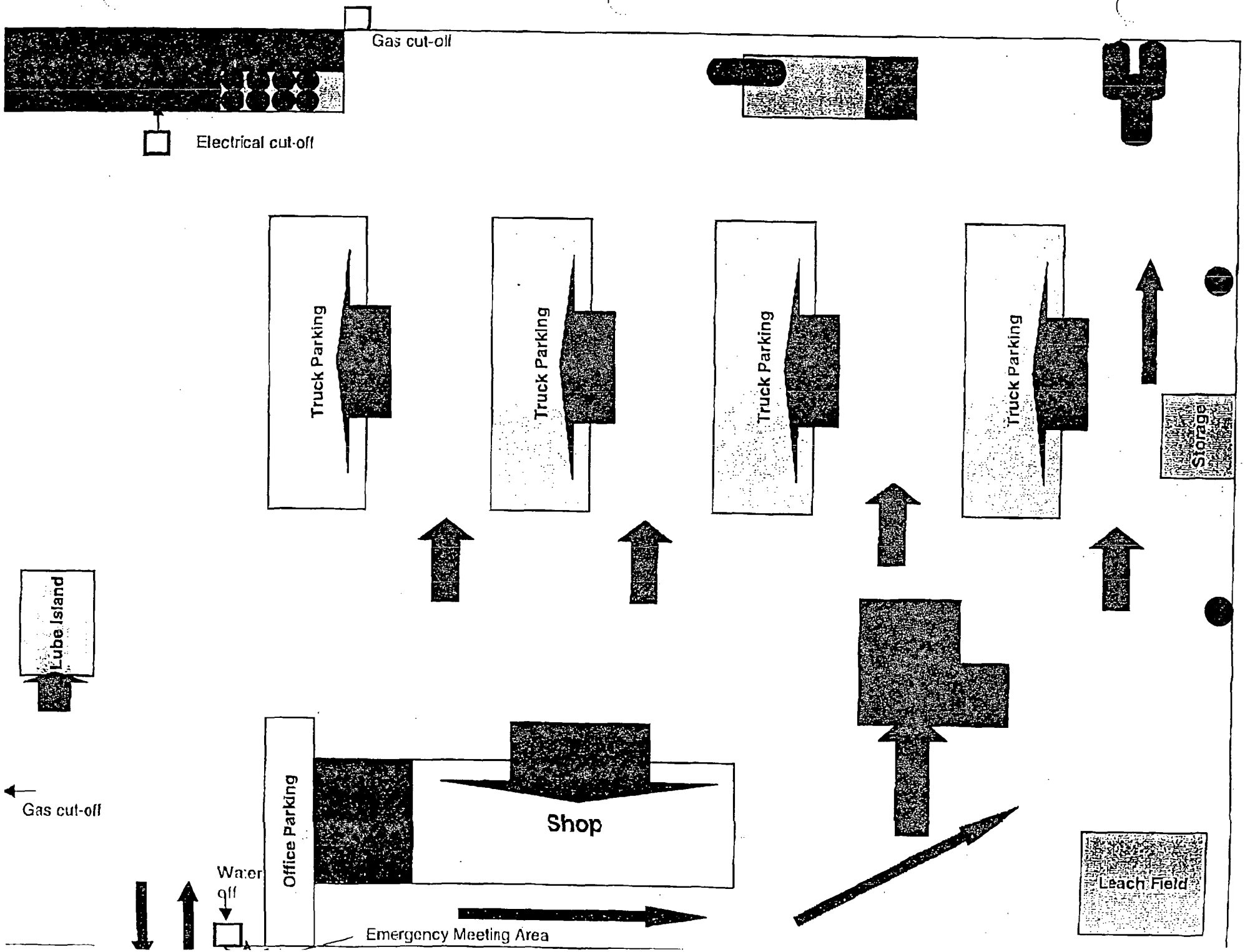
Medical:

DOCTOR- DR. JOHNNY MORENO	
Located at 612 N. 13th- Artesia	748-1266
ARTESIA GENERAL HOSPITAL	
Located at 702 N. 13th	748-3333
POISON CONTROL	1-800-4326866

Other:

ARTESIA CIVIL DEFENSE	
Located at 305 N. 7th- Artesia	746-2704
CENTRAL VALLEY ELECTRIC CO-OP	
Located at North 13th- Artesia	746-3571
TELEPHONE COMPANY	622-0896
If no answer	"0" Operator

Artesia



Appendix E

Boring Log

Monitoring Well: DM-1B

Project Name: BJ Services Company, U.S.A. Project Number: 25546.001 Sheet 1 of 2

.oject Location: Artesia, New Mexico		Logged By: Scott Sale	Approved: Lynn Wright
Drilling Contractor: Harrison and Cooper		Date Started: 2/24/04	Date Finished: 2/24/02
Drilling Equipment: TH-60	Driller: Clay	Total Boring Depth: (feet) 40.0	Depth to Static Water: (feet)
Drilling Method: Air Rotary	Borehole Diameter: 5.5"	TOC Elevation:	Ground Elevation:
Sampling Method: Soil cuttings		Diameter and Type of Well Casing: 2" Schedule 40 PVC	
Comments:		Slot Size: 0.010	Filter Material: 20/40
		Development Method: Bailer	

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
2				CONCRETE					1.5 Flush mount completion Bentonite-cement grout (0-1.5').
				FILL					
		SM		SILTY SAND (SM); Red/pink; loose; dry; contains small amounts of clay.	0.0				
4					0.0				
6					0.0				
8					0.0				
10				SILTY SAND; Black/grey; contains hydrocarbon odors.	15.6				Bentonite Seal (1.5-23')
12					21.9				
14					38				
16				SILTY SAND; Grey; loose; dry	70				
18					40.3				
20		ML		CLAYEY SILT (ML); Grey; loose; dry	25.7				
22		CL		SILTY CLAY (CL); Dark brown; soft; dry	6.3				23.0
24					20.9				2" Diameter Schedule 40 PVC Screen 0.01" Slot (25-40').
26				SILTY CLAY; Brown/red	0.0				
28		SM		SILTY SAND (SM); Red/brown; loose; dry	0.0				
30	▼				0.0				20/40 Silica Sand Filter Pack (23-40').
32									

Monitoring Well: DM-1B

Project Name: BJ Services Company, U.S.A.

Project Number: 25546.001

Sheet 2 of 2

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
34				SILTY SAND; contains a small amount of clay.	0.0				
36					0.0				
38					0.0				
40				SILTY SAND; loose; dry; contains some clay.	0.0				40.0

Appendix F

Storm Water Best Management Practices

3.0 BEST MANAGEMENT PRACTICES

BMPs must be implemented in the areas identified to ensure that storm water runoff is not impacted when it is discharged from the facility. The following chart outlines all of the BMPs to be implemented at the facility.

Location	BMPs and Description
Bulk Plant	▪ Dust Control – The bulk plant is a completely enclosed pneumatic system. A dust collector is in place and maintained to control dust emissions from the system. ▪ Spill Clean-up – Spills of dry material should be swept up immediately and either reused or disposed of properly. ▪ Good Housekeeping – The bulk plant area should be kept clean and orderly. ▪ Inspection – The bulk plant is inspected regularly during facility reviews. Any visible dust emissions should be corrected immediately.
Wash Bay	▪ Sump - The washbay is covered and sloped towards an in-ground sump that collects all washwater. ▪ Overspray Control – Overspray of washwater should be minimized by the washbay operator. No washwater should escape the confines of the washbay. Operators should be sufficiently trained to prevent overspray. ▪ Good Housekeeping – The washbay area should be kept clean and orderly. ▪ Inspections – The washbay is inspected regularly during facility reviews. Any overspray or evidence of washwater releases from the washbay area should be corrected immediately.
Acid Storage Area	▪ Secondary Containment – The acid tank is contained in an impervious concrete containment area. If a release did occur from this tank, the berm would provide sufficient containment. ▪ Loading area – There is a concrete catch basin directly below the acid/chemical loading area. If chemicals are released during loading, all fluids will enter this catch basin. ▪ Good Housekeeping – The acid storage area should be kept clean and orderly. ▪ Inspections – The acid tank, associated piping, secondary containment, and loading area are all inspected regularly during facility reviews. Any problems with this equipment should be corrected immediately.
Truck/Equipment Parking Area	▪ Area Maintenance – The soil in this area should be spot treated as necessary to address any leaks from equipment. ▪ Preventative Maintenance – The facility has a preventative maintenance program in place to keep equipment in good working order. This program will help keep equipment from leaking. ▪ Absorbent material – Employees should place absorbent pads under equipment that is leaking. The leak should be reported to the Maintenance Supervisor. ▪ Good Housekeeping – The truck parking area should be kept clean and orderly. ▪ Inspections – This area is regularly inspected during facility reviews. Any areas that need attention should receive it immediately.

Chemical Warehouse	▪ Covered Building – The chemical warehouse is a covered building which greatly minimizes any products exposure to storm water. ▪ Spill Clean-up – Spills inside and outside the building should be cleaned-up immediately to prevent the spill from migrating out of the building and impacting storm water runoff. ▪ Good Housekeeping – The chemical warehouse area should be kept clean and orderly. ▪ Inspections – This area is regularly inspected during facility reviews. Any spills or other problems identified should be addressed immediately.
Maintenance Shop	▪ Covered Building – The maintenance shop is a covered building which greatly minimizes any exposure to storm water. ▪ Spill Clean-up – Spills inside and outside the shop should be cleaned-up immediately to prevent the spill from migrating out of the shop and impacting storm water runoff. ▪ Good Housekeeping – The maintenance shop should be kept clean and orderly. ▪ Inspections – This area is regularly inspected during facility reviews. Any spills or other problems identified should be addressed immediately.
Sand Storage Area	▪ Dust Control – The sand storage silos are completely enclosed. Various methods (loading through a sock, sand is screened and washed, etc.) are used to control dust emissions from the system. ▪ Spill Clean-up – Spills of sand should be swept up immediately and either reused or disposed of properly. ▪ Good Housekeeping – The sand storage area should be kept clean and orderly. ▪ Inspection – The sand storage area is inspected regularly during facility reviews. Any visible dust emissions should be corrected immediately.
Drum Storage Area	▪ Storage Surface – Drums are currently stored on pallets to minimize damage to the bottom of the drum and minimize the potential for spills. However, at the direction of the OCD, BJ Services is in the process of constructing a drum storage area that will include an impermeable storage surface and curbing. Any storm water that collects in this new storage area will be used at the facility and will not be discharged. ▪ Spill Clean-up – Spills of drummed chemicals should be cleaned-up immediately upon detection. ▪ Good Housekeeping – The drum storage area should be kept clean and orderly. ▪ Inspection – The drum storage area is inspected regularly during facility reviews. Any corrective actions necessary should be corrected immediately.
LFC Blending/Loading Area	▪ Drip Pan – A drip pan is placed underneath the valves, gauges and fittings associated with the loading area to prevent any dripage of LFC onto the ground. ▪ Spill Clean-up – Spills of LFC and/or diesel should be cleaned up immediately and disposed of properly. ▪ Good Housekeeping – The LFC area should be kept clean and orderly. ▪ Inspection – The LFC area is inspected regularly during facility reviews. Any corrective actions necessary should be corrected immediately.

Appendix G

Inspection Checklist

Discharge Plan Inspection Record

BJ Services Company, USA

Artesia, New Mexico

Note: Record the date in each column that the maintenance or inspection was performed and intial the entry.

Year	Required Inspections	
	Sump Inspection	Underground Process Lines
2005		
2006		
2007		
2008		
2009		
2010		
2011		
2012		
2013		
2014		