**W CR 112: B&W Document**
**Danielle Sattman** to: Robert Werner 05/27/2010 01:16 PM

History: This message has been replied to.

Danielle Sattman Soule
Project Manager
Superfund Section
Remediation Division
Texas Commission on Environmental Quality
512-239-0158 b&w 1.pdf b&w 2.pdf b&w 3.pdf

896072

NEIA
FO
(7)

# Site Discovery
# &
# Assessment

Facility Name ABANDONED
Building (B+W)

TXD# : 981-055-080

SW Reg# NONE
Other # TX#: 18066
County MIDLAND

**U.S. Environmental Protection Agency**

Superfund Information Systems



CERCLIS Database
Archived Sites
Record of Decision System (RODS)
Superfund's Data Element Dictionary (DED)
Order Superfund Products

# Archived Sites

## ABANDONED BUILDING(B & W)

Site Information | Action

### Site Information:

**Site Name:** ABANDONED BUILDING(B & W)
**Street:** #3 INDUSTRIAL LOOP
**City / State / Zip:** MIDLAND, TX 79701

**EPA ID:** TXD981055080
**EPA Region:** 06
**County:** MIDLAND
**Non-NPL Status:** NFRAP

### Actions:

| OU | Action Name | Qualifier | Lead | Actual Start | Actual Completion |
|---|---|---|---|---|---|
| 00 | DISCOVERY | | S | | 05/08/1985 |
| 00 | PRELIMINARY ASSESSMENT | L | S | 05/01/1987 | 05/01/1987 |
| 00 | SITE INSPECTION | N | S | 12/01/1988 | 12/01/1988 |
| 00 | ARCHIVE SITE | | EP | | 08/01/1994 |

OSWER Home | Superfund Home

#3 Industrial Loop Site
Mr. Jimmy Tedford
Federal Deposit Insurance Corporation
P. O. Box 3148
Midland, Texas 79702

Jimmy Tedford (800) 592-4023

NT Inspection [illegible]

B&W WELDING AND CONSTR
III. Site Investigation

# B&W WELDING AND CONSTRUCTION
# SITE INVESTIGATION

Prepared for:

Texas Water Commission
State Superfund Unit

D87052
JN 117203

JONES AND NEUSE, INC.
Engineering and Environmental Consultants
Austin-Houston-Belton-Corpus Christi-Temple-Orange

© Jones and Neuse, Inc.
1987

JONES AND NEUSE, INC.
Engineering and Environmental Consultants
AUSTIN - HOUSTON - BELTON - CORPUS CHRISTI - TEMPLE - OK

August 31, 1987

Ms. Christy Smith, Head
State Superfund Unit
Hazardous and Solid Waste Division
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

Re: Site Inspection of B & W Welding and Construction
JN 117203
TWC 14-70020

Dear Ms. Smith:

Contained herein is the final Site Inspection Report prepared pursuant to the investigation of the above referenced facility. We trust that you will find this report acceptable and have enjoyed working for you and the Commission on this project. Should you have any questions or require any additional information, please feel free to call me at 512/327-9840.

Sincerely,

JONES AND NEUSE, INC.

Michael G. Dick

Michael G. Dick
Project Manager

MGD/jlb

Attachment

2720 Bee Cave Road Austin, Texas 78746 512-327-9840

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A. Data Collection Guideline
B. Laboratory Data Sheets
C. County Map
D. USGS Map

# SECTION I
# EXECUTIVE SUMMARY

# I. EXECUTIVE SUMMARY

Jones and Neuse, Inc. (JN) was retained by the Texas Water Commission (TWC) to perform site inspections at potential hazardous waste sites. The site described herein was identified pursuant to 31 TAC Sections 335.341-335.346 and TWC Contract No. 14-70020 concerning the hazardous waste facility assessment and remediation program, commonly referred to as the State Superfund.

The B&W Welding and Construction site is located at No. 3 East Industrial Loop in Midland, Texas. The site was formerly used by B&W as a metal fabrication and welding shop. As a result of foreclosure, the property is presently controlled by the Federal Deposit Insurance Corporation (FDIC). On November 1, 1984, while conducting a complaint investigation at the site, a TWC inspector found green colored water in an on-site water well. A sample of the water was collected and analysis of the sample showed a chromium concentration of 1.6 ppm. Another well sample collected by the FDIC in April, 1985 contained a chromium concentration of 2.5 ppm. Several off-site wells in the area were sampled by the TWC in 1985 and none of the samples contained chromium above the drinking water standard of 0.05 mg/l.

Extensive sampling of area soils by the TWC have not identified chromium contamination. According to a memo from the TWC Odessa Office, a possible source of the chromium found in the B&W well is a pit partially covered by concrete located on property south of the site (see Figure 1). This property contains two caliche pits that have been filled with miscellaneous trash. The south pit is covered by concrete. TWC sampling of one of the north pits did not indicate chromium contamination. No samples have been collected from the portion of the other pit covered by concrete. However, a TWC sample collected from an uncovered portion of the pit did not contain leachable chromium. A TWC memo discusses one soil sample that was reported as being collected "between the concrete and asphalt" that showed a

chromium concentration of 580 ppm. However, according to Matt Tokheim of the TWC Odessa office, the location of the sample was Maverick Drilling which is located ½ mile northwest of the site.

A site inspection was conducted by JN on March 17, 1987. This inspection revealed that the well at the B&W site is completed below grade and is not properly protected from outside sources of contamination. Field screening of soils around the well indicated the presence of chromium; however, samples submitted for analysis did not reveal leachable levels of E.P. Toxic chromium.

Area water wells produce water from the southern most extension of the Ogallala Aquifer. At the site, the Ogallala water table is about 35 feet below the land surface and the aquifer is about 50 feet thick. The unsaturated zone is composed of predominately medium to course sands and gravels with minor clays.

# SECTION II
# SITE INSPECTION NARRATIVE

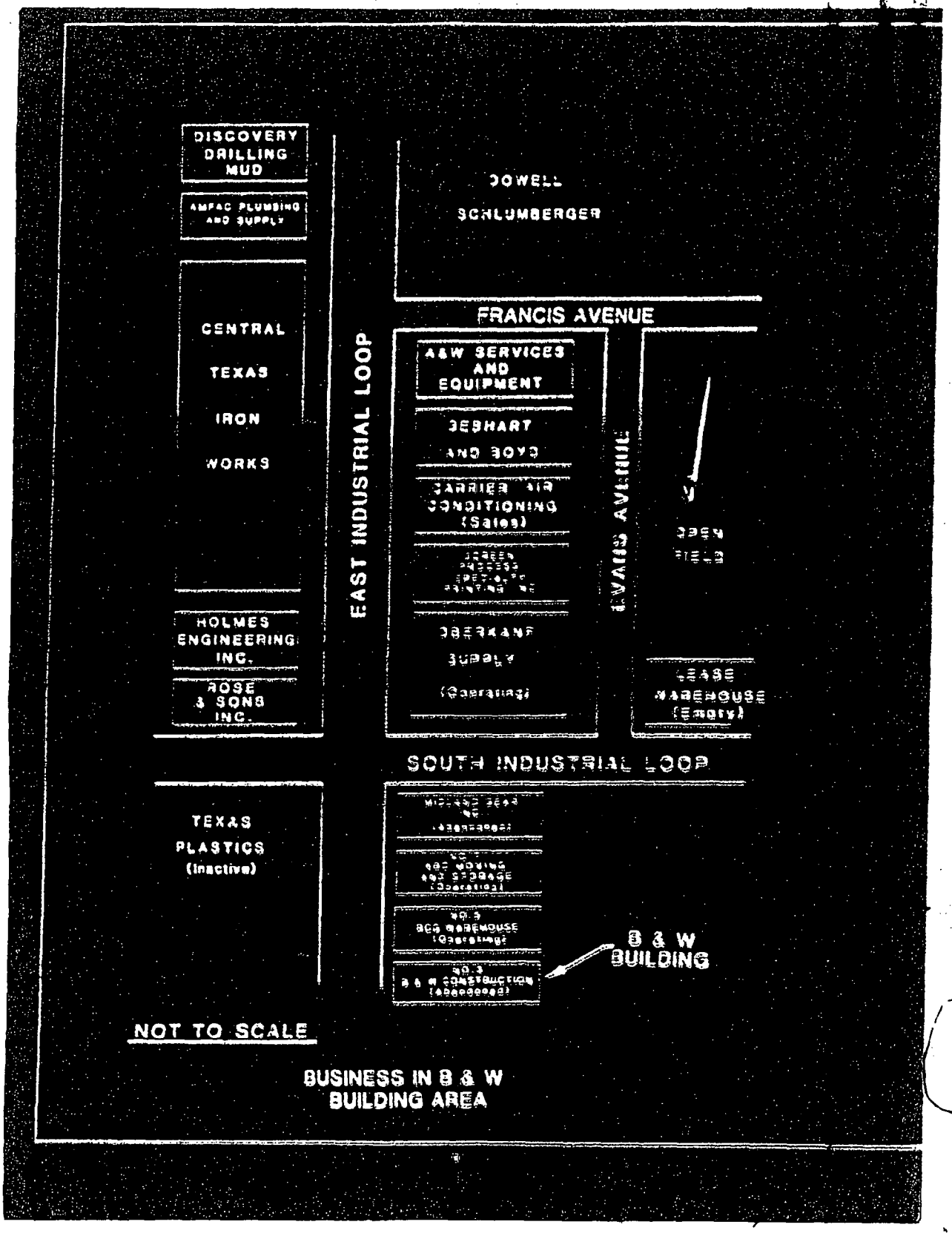
## II. SITE INSPECTION NARRATIVE

Jones and Neuse, Inc. representatives were accompanied by Kate Arthur with TWC during the site inspection. JN arrived at the site at 8:15 a.m. and discovered that the gate and building at the site were locked. A key to the building was obtained by Ms. Arthur from the FDIC office in Midland. While waiting for the key, the team members investigated the property to the south which contains the cement covered pit suspected by the TWC Odessa office of being the source of the chromium found in the B&W well (see Figure 1). The property is now owned by Mr. Will B. Brinson (915/699-4081).

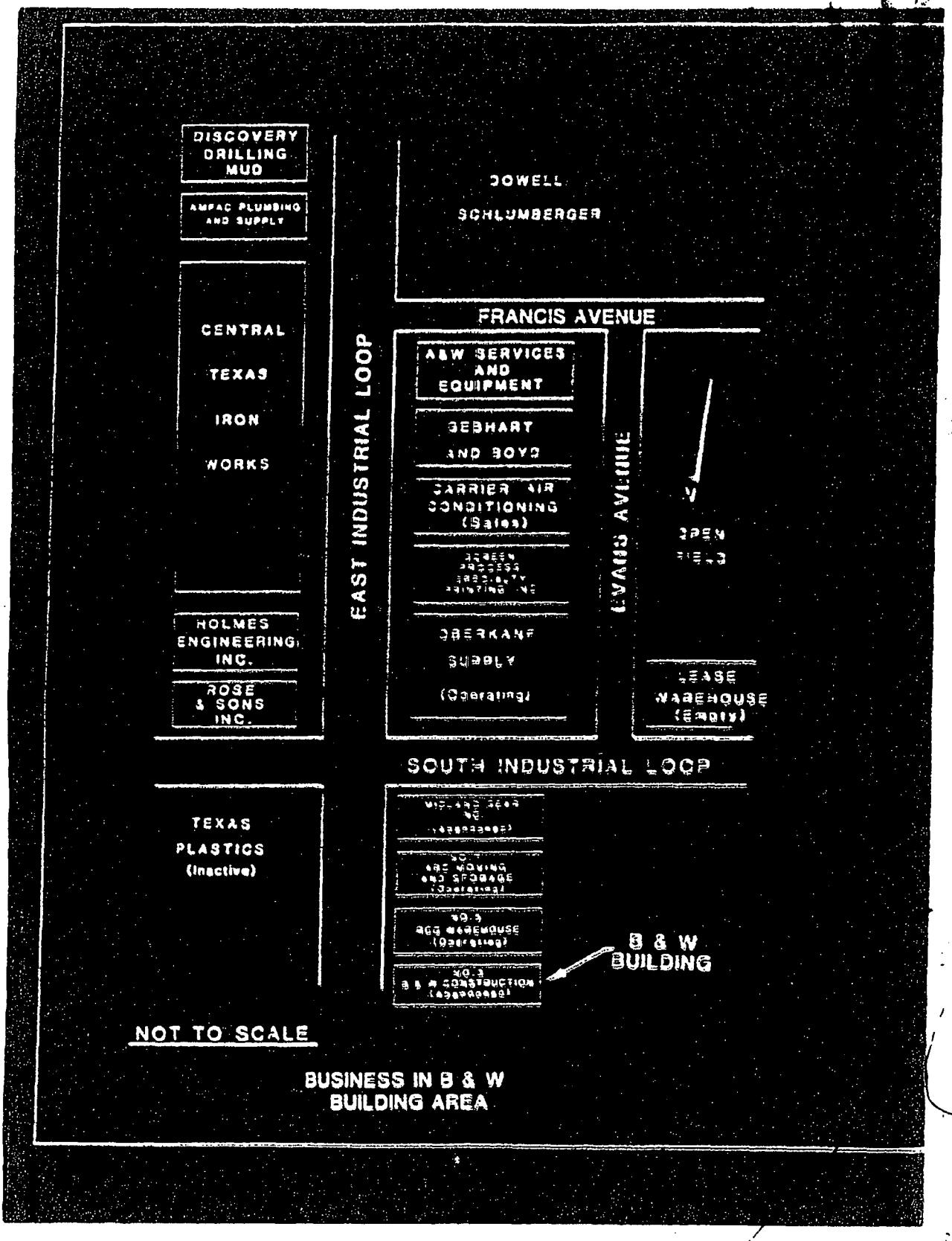
The soils at the site consist of windblown silts and sands to a thickness of approximately three feet. This is underlain by caliche/silt to a depth of approximately 35 feet as observed at the caliche pits. The nearest surface water is the intermittent stream referred to as the Midland Draw six miles to the east. The gradient to Midland Draw is 0 to 2½ with no observed drainage ways. The uppermost aquifer is the Ogallala with static water levels of 35 feet below grade.

Yellow stains were noted on soil near the northwest corner of the cement covered pit and a sample was collected from this soil (SSF-004). In addition, a standing water sample (SSF-005) was collected from this area. At the request of the TWC, these samples as well as a background sample from the property (SSF-005) were not submitted for analysis.

The water well at the B&W site is located near the northwest corner of the building (see Figure 1). A water holding tank, connected to the well with a PVC intake pipe, is located inside the building. The well has a below grade completion (see Figure 2, photos 3 and 4). The sanitary seal on top of the well was observed to have a 3/4 inch gap between the well casing and the intake pipe providing an avenue for run-on to enter the well.




BUSINESS IN B & W BUILDING AREA




BUSINESS IN B & W BUILDING AREA

A field screen test of the soils around the well tested positive for chromium. However, a sample of the soil submitted to the laboratory (SSF-008) did not show detectable levels of E.P. Toxic chromium. A ground water sample could not be obtained directly from the well because there was no electricity at the site to power the well pump. Instead, a sample was collected from stored water in the holding tank. Prior to collecting the sample, water was drained from the tank for five minutes. The sample was collected from an outside faucet next to the well head. This water sample (SSF-007) was filtered in the laboratory and did not contain detectable levels of E.P. Toxic metals series.

All samples were labeled, placed into airtight bags and preserved as necessary until delivery to Southwestern Laboratories, accompanied by a completed Chain of Custody Form. In order to determine the presence of hazardous waste on-site, waste samples were collected and screening tests were performed according to the sampling plan approved by TWC. Additional information concerning the facility and the JN inspection is contained in Table 1, TWC Site Inspection Report and Attachment A, Data Collection Guideline. The analytical results of the samples collected during the site inspection are included in Attachment B, Laboratory Data Sheets and are discussed in the following Section III, Data Summary. The location of the site with respect to regional features is shown in Attachment C, County Map and in Attachment D, USGS Map.

FIGURE 2
SITE PHOTOGRAPHS

Note: Photographs have been renumbered for clarity in this report. Numbers in parenthesis refer to the photograph number on a particular roll of film and as described in JN field notes.

Photo #1 (23)
B & W Welding and Construction
Main entrance on west side.

Photo #2 (3)
B & W Welding and Construction
Storage yard in back of building.
(West looking east)

Photo #3 (24)
B & W Welding and Construction
Well head on north side of building
(On-site public supply well)

Photo #4 (3)
B & W Welding and construction
View of well head on north side of building
PVC pipe goes to pressure tank.

Photo #5 (21)
B & W Welding and Construction
North caliche quarry on adjacent property.
B & W building is in upper right corner.
East looking west.

Photo #6 (17)
B & W Welding and Construction
South caliche quarry on adjacent property. East looking west.

**Table 1**
**TWC Site Inspection Form**
**Residential Well Form**

| State Superfund Inspection Report | District 10 | Inspection Date 3/17/87 |
|---|---|---|

| CERLIST | Registration # | District Contact Bill Lockey | Abandoned? Yes |
|---|---|---|---|

EPA Id #

## I. SITE IDENTIFICATION

| A. Site Name | B. Street (or other identifier) | | |
|---|---|---|---|
| Bond Welding and Construction | #3 East Industrial Loop | | |
| **C. City** | **D. State** | **E. Zip Code** | **F. County** |
| Midland | Texas | | Midland |

**G. Site Contact Information**

| 1. Name | | 2. Telephone Number | |
|---|---|---|---|
| Jimmy Tedford (FDIC) | | 1-800-592-4023 | |
| **3. Street** | **4. City** | **5. State** | **6. Zip Code** |
| P.O. Box 3148 | Midland | Texas | 79702 |

**H. Land Owner Information**

| 1. Name | | 2. Telephone Number | |
|---|---|---|---|
| Same | | | |
| **3. Street** | **4. City** | **5. State** | **6. Zip Code** |
| | | | |

**I. Other**

| 1. Name | 2. Relationship | 3. Title | |
|---|---|---|---|
| | | | |
| **4. Street** | **5. City** | **6. State** | **7. Zip Code** |
| | | | |

## II. INSPECTION INFORMATION

**A. Preparer Information**

| 1. Name | | 2. Title | |
|---|---|---|---|
| Robert L. Sherrill | | Project Team Leader | |
| **3. Street** | **4. City** | **5. State** | **6. Zip Code** |
| 2720 Bee Cave Road | Austin | Texas | 75746 |
| **7. Organization** | | **8. Telephone No. (area code)** | |
| Jones and Neuse, Inc. | | 512/327-9840 | |

**B. Inspection Participants**

| 1. Name | 2. Organization | 3. Telephone No. |
|---|---|---|
| Robert L. Sherrill | Jones and Neuse, Inc. | 512/327-9840 |
| Miriam L. Renkin | Jones and Neuse, Inc. | 512/327-9840 |
| Katherine Arthur | Texas Water Commission | 512/463-8003 |
| | | |

**C. Site Representatives Interviewed (corp. officials, wkrs., residents)**

| 1. Name | 2. Organization | 3. Telephone No. |
|---|---|---|
| Bill Lockey | Texas Water Commission | |
| Matt Tokheim | Texas Water Commission | |
| | | |
| | | |

| | |
|---|---|
| 35' | Depth (in feet) to uppermost aquifer - measured vertically from the lowest point of the hazardous substances to the highest seasonal level of the saturated zone of the aquifer of concern. |
| 0 | Depth (in feet) from the ground surface to the lowest point of waste disposal/storage. |
| D | Physical State - the state of the hazardous substance at the time of disposal.<br>a. Solid, consolidated or stabilized<br>b. Solid, unconsolidated or unstabilized<br>c. Powder or fine material<br>d. Liquid sludge or gas<br>e. Unknown - comments _____ |
| C-4 | Containment - See Ground Water Chart |
| Unknown | Hazardous Waste Quantity - Quantity of hazardous substances deposited at a site except when completely contained. Do not include amounts of contaminated soil or water; in such cases the amount of contaminating substance may be estimated. |
| | Basis of estimating and/or computing waste quantity: |
| | Location of nearest well drawing from the uppermost aquifer or building not served by a public water supply:<br>Well On Site |
| Flat | Average Slope of facility in percent. |

| | |
|---|---|
| | Name/description of nearest downslope surface water: Midland Draw - Intermittent Water Course |
| 0.2% | Average slope of terrain between facility and above-cited surface water body in percent. |
| C-4 | Containment - See Surface Water Chart. |
| No | Is there tidal influence? |
| Circle appropriate land use, describe and designate location in relation to facility. None apparent. | Coastal Wetland<br>Fresh-water Land<br>Critical Habitat<br>National Wildlife Refuge |
| Comments: | |
| Weather Conditions: Mid 60's, Partly Cloudy, 30-40 mph, wind from the west | |
| Noticeable Odors? No | Air Monitoring Conducted? No |
| Security: Locked fences surrounding site | |

ADDENDUM TO TABLE 1

## RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code.

   J.D. Weaver
   SMC 26177
   Midland, TX
   915/563-4450

2. Date well was dug Unknown
3. Depth of well ≈60'
4. Depth to static water Unknown
5. Is the well cased? Yes X No ____
   If so, to what depth? Unknown
   What type of casing is used? PVC
6. Is well screened? Yes ____ No ____ Unknown
7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Daily for drinking water
8. Any other pertinent information?

# SECTION III
# DATA SUMMARY

## III. DATA SUMMARY

### Analytical Data

During the site inspection six samples were collected:

SSF-004 Stain Soil in Pit No. 2 (not analyzed)
SSF-005 Background Soil (not analyzed)
SSF-006 Surface Water in Pit No. 2 (not analyzed)
SSF-007 On-site Water Well
SSF-008 Soil Over On-Site Wellhead
SSF-009 Weaver Trucking Water Well (not analyzed)

At the request of TWC, only two of these six samples were analyzed (SSF-007 and SSF-008). The laboratory data, tabulated in Table 2, shows that neither sample contained E.P. Toxic concentrations of heavy metals. The samples collected were properly preserved until delivery to Southwestern Laboratories. Analysis was performed within the holding time for the parameters requested. Analysis of the water sample (SSF-007) involved filtration of the sample. Thus, the data represents the total soluble fraction.

### Geological Data

Although not required by contract, a search of water well records in the area was conducted in conjunction with the site investigation. It appears that all wells in the area produce from the lower Ogallala Aquifer. Static water levels of about 35 feet below the ground surface have been recorded from wells in the immediate site area. There are 740 water wells within a three mile radius of the site of which 667 are domestic use wells (closest being 45-08-1cc 667 feet from the site), 28 industrial use wells (closest being 45-08-1bb 3833 feet from the site), 24 public supply wells (closest being 45-08-1ff 7,000 feet from the site).

Table 2
Summary of Laboratory Analysis

(ppm - E.P. Toxic)

| Metal | SSF-007 | SSF-008 | Criteria |
|---|---|---|---|
| Arsenic | <0.01 | 0.03 | 5.0 |
| Barium | <0.50 | 0.95 | 100.0 |
| Cadmium | <0.05 | <0.02 | 1.0 |
| Chromium | <0.10 | <0.10 | 5.0 |
| Lead | <0.10 | <0.10 | 5.0 |
| Mercury | <0.005 | <0.005 | 0.2 |
| Selenium | <0.01 | <0.01 | 1.0 |
| Silver | <0.05 | <0.05 | 5.0 |

# ATTACHMENT A
# DATA COLLECTION GUIDELINE

# DATA COLLECTION GUIDELINE

JN Submittal Date _____

TWC Approval Date _____

Site B & W Building (#3 Industrial Loop) - Midland, Texas

Team Leader Robert L. Sherrill

Team Member Miriam Renkin

TWC Contacts Kate Arthur 512/592-4023

Site Contacts _____

WASTE Type Anticipated Soil Contamination

Volume _____

Samples Anticipated E.P. Tox Chrome

Screening Analysis Field Screen Chromium

Comments _____

SURFACE WATER Availability None anticipated

Samples _____

Comments _____

GROUNDWATER Availability 1 well on-site/2 off-site

Samples Anticipated 3 Chromium

Screening Analysis _____

Comments _____

SURFACE SOIL Visible Stains Anticipated None

Soil Gas Sampling None

## DATA COLLECTION GUIDELINE
(continued)

AIR Release Anticipated None

COMMENTS Site has been extensively studied by District 10 personnel and no evidence of soil contamination was found. Ground-water contamination 59 2.5 ppm $Cr^{+6}$ has been found.

SAMPLE DEVIATIONS ___NO X YES
(Explanation Attached; See Attached Map)

## ADDENDUM TO ATTACHMENT A
## DATA COLLECTION GUIDELINE

### Sampling Deviations at B&W Welding and Construction

| | |
|---|---|
| Waste: | No deviation |
| Surface Water: | One sample taken in ponded water in Pit No. 2 due to proximity to yellow stain. At the request of the TWC, this sample was not analyzed. |
| Groundwater: | Only one off-site well was sampled. At the request of the TWC, this sample was not analyzed. |
| Surface Soil: | One sample taken from visible stain in Pit No. 2. At the request of the TWC, this sample was not analyzed. |
| Air: | No deviation |

# ATTACHMENT B
# LABORATORY DATA SHEETS

SwL SOUTHWESTERN LABORATORIES

*Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services*

222 Cavalcade St • PO Box 9768 Houston Texas 77243 • 713 892 9181

May 27, 1987

Re: State Superfund Project #117202
TWC Contract #14-70020
Analytical Reports
(SwL Lab No. 87-563)

JONES AND NEUSE, INC.
2720 Bee Caves Road
Austin, Texas 78746

Attention: Mr. Michael Dick

Dear Mike:

Enclosed please find the analytical reports for the following site:

B & W Welding & Construction, #3 Industrial Coop. -
Midland, Texas

We have also submitted the QA data, Chain of Custody forms, and Laboratory Request forms with the analytical report.

The QA review of the report reveals the following:

- the method of standard additions was used for metals analysis on all EP Toxicity samples.
- all data quality objectives were met.

Please call if you have any questions.

Sincerely

SOUTHWESTERN LABORATORIES, INC.

Russell J. DiRaimo, P.E.
Manager
Environmental Engineering Service
QA/QC Officer

OUR 75th ANNIVERSARY

RJD:pm

SwL SOUTHWESTERN LABORATORIES

*Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services*

222 Cavalcade St. • PO Box 8768, Houston, Texas 77249 • 713 692-3151

File No. 2-4724-[illegible]

Report No. 87-563 (1-6)

Report Date 5/11/87

Client: Jones & Neuse, Inc.
2720 Bee Caves Road
Austin, Texas 78746

Project: Jones & Neuse SSF Project #117202
TWC Contract #14-70020

Facility: B & W Welding & Construction
#3 Industrial Coop.
Midland, Texas

Date Sampled 3/17/87 Sampled by Robert Sherrill

Sample Type water, soil, waste Transported by Trailways

P.O. # Date Received 3/25/87

| Lab No. | Sample Identification | | Analysis |
|---|---|---|---|
| 563-1 | SSF004 | Stain in Pit | Hold |
| 563-2 | SSF005 | Background soil | Hold |
| 563-3 | SSF006 | Surface water in Pit | Hold |
| 563-4 | SSF007 | B & W Well | EP Tox Metals |
| 563-5 | SSF008 | Soil over wellhead | EP Tox Metals |
| 563-6 | SSF009 | Weaver Trucking Well | Hold |

Technician

Copies:

pm

Reviewed by: Russell J. DiRaimo, P.E., QA
Environmental Engineering Serv.

SOUTHWESTERN LABORATORIES

Mark Tipton
Analytical Lab Supervisor

Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply only to the sample tested and or inspected, and are not necessarily indicative of the quality of apparently identical or similar products.

SOUTHWESTERN LABORATORIES

Client: Jones & Neuse, Inc.

Sample I.D. SSF007

File No.: 2-4724-03

Report No.: 87-563-4

Report Date: 5/11/87

## EP TOXICITY

Date Sampled: 3/17/87 Date Received: 3/25/87

Date Extracted: NA

| Contaminant | Measured Concentration, mg/l | Maximum Allowable Concentration, mg/l | Date Analyzed |
|---|---|---|---|
| Arsenic | <0.01 | 5.0 | 4/8/87 |
| Barium | <0.50 | 100.0 | 4/4/87 |
| Cadmium | <0.05 | 1.0 | 4/3/87 |
| Chromium | <0.10 | 5.0 | 4/3/87 |
| Lead | <0.10 | 5.0 | 4/3/87 |
| Mercury | <0.005 | 0.2 | 4/8/87 |
| Selenium | <0.01 | 1.0 | 4/8/87 |
| Silver | <0.05 | 5.0 | 4/3/87 |

SOUTHWESTERN LABORATORIES

Client: Jones & Neuse, Inc.

Sample I.D. SSF008

File No.: 2-4724-03

Report No.: 87-563-5

Report Date: 5/11/87

## EP TOXICITY

Date Sampled: 3/17/87 Date Received: 3/25/87

Date Extracted: 4/2/87 Date Analyzed:

| Contaminant | Measured Concentration, mg/l | Maximum Allowable Concentration, mg/l | Date Analyzed |
|---|---|---|---|
| Arsenic | 0.03 | 5.0 | 4/8/87 |
| Barium | 0.95 | 100.0 | 4/8/87 |
| Cadmium | <0.02 | 1.0 | 4/7/87 |
| Chromium | <0.10 | 5.0 | 4/7/87 |
| Lead | <0.10 | 5.0 | 4/7/87 |
| Mercury | <0.005 | 0.2 | 4/8/87 |
| Selenium | <0.01 | 1.0 | 4/8/87 |
| Silver | <0.05 | 5.0 | 4/7/87 |

CHAIN OF CUSTODY RECORD

Sample Location

CLIENT: Texas water Commission

FACILITY LOCATION: Brw welding and construction
#3 Industrial loop
Midland, TX

Sample Collector
Robert Sherrill

FIELD INFORMATION:

| Sample Location | Sample Type | Date | Time | Sampler | Analysis Requested |
|---|---|---|---|---|---|
| SSF 004 Drain in Pit | soil-waste | 3/17/87 | 1045 hrs | RS | Held |
| SSF 005 Background | soil | 3/17/87 | 1030 hrs | RS | Held |
| SSF 006 Groundwater in Pit | water | 3/17/87 | 1050 hrs | RS | Held |
| SSF 007 Brw well | water | 3/17/87 | 1130 hrs | RS | EP tox metals |
| SSF 008 soil over well head | soil | 3/17/87 | 1130 hrs | RS | EP tox metals |
| SSF 009 water trucking well | water | 3/17/87 | 1345 hrs | RS | Held |

CHAIN OF POSSESSION

| Relinquished by: | Received by: | Date | Time |
|---|---|---|---|
| Robert Sherrill | [illegible] | 3/17/87 | [illegible] |
| [illegible] | Tony Maples [illegible] | 3/18/87 | 1115pm |
| | [illegible] | [illegible] | [illegible] |

Section No. 6
Revision No. 1
Date 2/2/87
Page 40 of 44

SUBMITTER: Texas Water Commission

DATE: 3/17/87

PHONE: (512)-327-9800

REQUESTOR: Robert Stovall Jones

REQUESTED DATE OF COMPLETION:

PROJECT #: 1172 02

SAMPLE TYPE: Soil - waste.

(industrial waste, groundwater, soil, solid waste, etc.)

REQUIRED ANALYSES:

~~E.P. Toxic Metals~~ HCLD

NOTES: SSF 004

Concrete yellow stain in south pit at D&L site.

FIGURE 6-3
LABORATORY ANALYSIS REQUEST

SUBMITTER: Texas Water Commission

DATE: 3/17/87

PHONE: (512)-327-9510

REQUESTOR: Robert Sherrill, James Rice

REQUESTED DATE OF COMPLETION:

PROJECT #: 1172 C2

SAMPLE TYPE: Soil

(industrial waste, groundwater, soil, solid waste, etc.)

REQUIRED ANALYSES:

~~EP Toxic Metals~~ HCLD

NOTES:

SSF C05. Background soil Bay Site collected South of pits, in field between pits and I 30

**FIGURE 6-3**
**LABORATORY ANALYSIS REQUEST**

SUBMITTER: Texas Water Commission

DATE: 3/10/87

PHONE: (512)-327-9840

REQUESTOR: Robert Sherrill, Jones & Neuse

REQUESTED DATE OF COMPLETION:

PROJECT #: 1173.02

SAMPLE TYPE: Surface water

(industrial waste, groundwater, soil, solid waste, etc.)

REQUIRED ANALYSES:

1. HOLD

NOTES:

SSF 006: Surface water in south pit near Bldg. 1 welding site. Sample collected near yellow stain on cement block

FIGURE 6-3
LABORATORY ANALYSIS REQUEST

Section No. 6
Revision No. 1
Date 2/2/87
Page 40 of 44

SUBMITTER: Texas Water Commission

DATE: 3/17/87

PHONE: (512)-327-8310

REQUESTOR: Robert Sherrill, Texas and Water

REQUESTED DATE OF COMPLETION:

PROJECT #: 1472-02

SAMPLE TYPE: Ground Water

(industrial waste, groundwater, soil, solid waste, etc.)

REQUIRED ANALYSES:

E.P Toxic Metals

NOTES:

SSE 007: well water from spigot on north side of Grow Building

**FIGURE 6-3**
**LABORATORY ANALYSIS REQUEST**

SUBMITTER: Texas Water Commission

DATE: 3/17/87

PHONE: (512)-327-9300

REQUESTOR: Robert Sleeper, Texas Water Commission

REQUESTED DATE OF COMPLETION:

PROJECT #: 117202

SAMPLE TYPE: Soil

(industrial waste, groundwater, soil, solid waste, etc.)

REQUIRED ANALYSES:

E.P. Toxic Metals

NOTES:

SSF 008 Soil over well at north of BFJ Building

FIGURE 6-3
LABORATORY ANALYSIS REQUEST

Section No. 6
Revision No. 1
Date 2/2/87
Page 40 of 44

SUBMITTER: Texas Water Commission

DATE: 3/17/87

PHONE: (512)-387-3590

REQUESTOR: Robert Shamoff, Texas Water

REQUESTED DATE OF COMPLETION:

PROJECT #: 1172 02

SAMPLE TYPE: Good water

(industrial waste, groundwater, soil, solid waste, etc.)

REQUIRED ANALYSES:

~~EP Toxic Metals~~ HOLD

NOTES:

SSF CCG Weaver Trucking (Will South side of Brushy Creek access road)

FIGURE 6-3
LABORATORY ANALYSIS REQUEST

## ACCURACY AND PRECISION TABULATION

ANALYTE: As
METHOD OF ANALYSIS: [illegible]
DATE LAST UPDATED: [illegible]
MEAN RECOVERY ($\bar{x}$): [illegible]

STANDARD DEVIATION(S): [illegible]
**LOWER CONFIDENCE LIMIT (LCL): [illegible]
**UPPER CONFIDENCE LIMIT (UCL): [illegible]

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | % DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
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*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

* $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE: Pb
METHOD OF ANALYSIS: [illegible]
DATE LAST UPDATED: [illegible]
MEAN RECOVERY ($\bar{x}$): 102

STANDARD DEVIATION(S): 6.85
**LOWER CONFIDENCE LIMIT (LCL): [illegible]
**UPPER CONFIDENCE LIMIT (UCL): [illegible]

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | Conc. % DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
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*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

** = $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE Se
METHOD OF ANALYSIS [illegible]
DATE LAST UPDATED [illegible]
MEAN RECOVERY ($\bar{x}$) [illegible]

STANDARD DEVIATION(S) [illegible]
**LOWER CONFIDENCE LIMIT (LCL) [illegible]
**UPPER CONFIDENCE LIMIT (UCL) [illegible]

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | mg/L [illegible] DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
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*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

* $\bar{x} \pm 2S$

# ACCURACY AND PRECISION TABULATION

ANALYTE [illegible]
METHOD OF ANALYSIS [illegible]
DATE LAST UPDATED [illegible]
MEAN RECOVERY ($\bar{x}$) [illegible]

STANDARD DEVIATION(S) [illegible]
**LOWER CONFIDENCE LIMIT (LCL) [illegible]
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| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | % DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
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*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed - Background}}{\text{Spike}}$ for Sample Spikes

** $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

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METHOD OF ANALYSIS [illegible]
DATE LAST UPDATED [illegible]
MEAN RECOVERY ($\bar{x}$) [illegible]

STANDARD DEVIATION(S) 1.75
**LOWER CONFIDENCE LIMIT (LCL) [illegible]
**UPPER CONFIDENCE LIMIT (UCL) ///

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
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| [illegible] | [illegible] | [illegible] | | | ✓ | [illegible] | [illegible] | [illegible] |
| | | [illegible] | [illegible] | [illegible] | ✓ | | | |
| | | [illegible] | [illegible] | [illegible] | | | | |

*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

* $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE [illegible]
METHOD OF ANALYSIS [illegible]
DATE LAST UPDATED [illegible]
MEAN RECOVERY ($\bar{x}$) [illegible]

STANDARD DEVIATION(S) 6.63
**LOWER CONFIDENCE LIMIT (LCL) [illegible]
**UPPER CONFIDENCE LIMIT (UCL) [illegible]

units

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | ≥ DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | | | |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | [illegible] | [illegible] | [illegible] | ✓ | | | |
| | | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | [illegible] | [illegible] | [illegible] | ✓ | | | |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | [illegible] | [illegible] | [illegible] | X | | | |

*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

** $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE [illegible]
METHOD OF ANALYSIS [illegible]
DATE LAST UPDATED [illegible]
MEAN RECOVERY ($\bar{x}$) [illegible]

STANDARD DEVIATION(S) [illegible]
**LOWER CONFIDENCE LIMIT (LCL) [illegible]
**UPPER CONFIDENCE LIMIT (UCL) [illegible]

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | [illegible] DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

** $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE: Cr
METHOD OF ANALYSIS: ICTA 312A
DATE LAST UPDATED: 5-15-92
MEAN RECOVERY ($\bar{x}$): 94.6

STANDARD DEVIATION(S): 10.1
**LOWER CONFIDENCE LIMIT (LCL): 74.0
**UPPER CONFIDENCE LIMIT (UCL): 115

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | mg/l ≈ DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
|---|---|---|---|---|---|---|---|---|
| 4-7-92 | GLM | 0.25 | | | | 0.25 | 0.25 | 100 |
| | | 5-1-3 | <0.10 | <0.10 | ✓ | | | |
| 4-15-92 | GLM | 0.25 | | | | 0.25 | 0.22 | 88 |
| 4-22-92 | GLM | 0.25 | | | | 0.25 | 0.27 | 99 |
| | | 7-10 | <0.10 | <0.10 | ✓ | | | |
| 4-22-92 | GLM | 0.25 | <0.10 | <0.10 | ✓ | | | |
| | | 7-10-1 | <0.10 | <0.10 | ✓ | | | |
| 4-5-92 | GLM | STD 0.50 | | | | 0.50 | 0.50 | 100 |
| | | 7-14 | <0.10 | <0.10 | ✓ | | | |
| 4-92 | GLM | 723-21 | <0.05 | <0.05 | ✓ | 0.50 | 0.55 | 110 |
| | | 723-1 | <0.05 | <0.05 | ✓ | | | |
| | 21 | GLM | STD 0.50 | | | 0.50 | 0.54 | 108 |
| | | 723 | <0.10 | <0.10 | ✓ | | | |

*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

** $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE Cd
METHOD OF ANALYSIS [illegible]
DATE LAST UPDATED [illegible]
MEAN RECOVERY ($\bar{x}$) [illegible] 101

STANDARD DEVIATION(S) [illegible]
**LOWER CONFIDENCE LIMIT (LCL) [illegible]
**UPPER CONFIDENCE LIMIT (UCL) 110%

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | % DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | 10.01 | 10.01 | ✓ | 0.25 | 0.26 | 104 |
| [illegible] | [illegible] | 0.50 STD | | | | 0.50 | 0.50 | 100 |
| [illegible] | [illegible] | [illegible] | 10.02 | 10.02 | ✓ | 0.50 | [illegible] | 104 |
| [illegible] | [illegible] | 0.25 STD | | | | 0.25 | 0.25 | 100 |
| [illegible] | [illegible] | 0.50 STD | [illegible] | 10.02 | ✓ | 0.50 | 0.50 | 100 |
| [illegible] | [illegible] | 0.25 STD | [illegible] | [illegible] | ✓ | 0.25 | 0.26 | 104 |
| [illegible] | [illegible] | 0.50 STD | [illegible] | [illegible] | ✓ | 0.50 | 0.53 | 106 |
| [illegible] | [illegible] | 0.50 STD | [illegible] | [illegible] | ✓ | 0.50 | 0.51 | 102 |
| [illegible] | [illegible] | 0.50 " | [illegible] | [illegible] | ✓ | 0.50 | 0.50 | 100 |
| [illegible] | [illegible] | 0.50 STD | | | | 0.50 | 0.53 | 106 |
| [illegible] | [illegible] | 0.50 " | | | | 0.50 | 0.52 | 104 |
| [illegible] | [illegible] | 0.50 STD | | | | 0.50 | 0.53 | 106 |
| [illegible] | [illegible] | 0.50 STD | [illegible] | [illegible] | ✓ | 0.50 | 0.53 | 106 |
| [illegible] | [illegible] | [illegible] | 10.02 | — | | 0.25 | 0.25 | 100 |
| [illegible] | [illegible] | [illegible] | [illegible] | 10.02 | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 10.02 | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 10.02 | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 10.02 | 10.02 | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 10.02 | 10.02 | ✓ | | | |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 10.02 | 10.02 | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 10.02 | 10.02 | ✓ | | | |
| [illegible] | [illegible] | [illegible] | 10.02 | 10.02 | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 10.02 | 10.02 | ✓ | [illegible] | [illegible] | [illegible] |

*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

** = $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE: [illegible]
METHOD OF ANALYSIS: [illegible]
DATE LAST UPDATED: 4-10-?2
MEAN RECOVERY ($\bar{x}$): [illegible]

STANDARD DEVIATION(S): 6.68
**LOWER CONFIDENCE LIMIT (LCL): [illegible]
**UPPER CONFIDENCE LIMIT (UCL): [illegible]

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | % DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
|---|---|---|---|---|---|---|---|---|
| 3-?-?2 | GLM | 231 | <0.20 | — | | 5.00 | [illegible] | [illegible] |
| ?-10-?2 | GLM | 1??-1 | 0.40 | [illegible] | ✓ | 5.00 | 5.1? | [illegible] |
| 3-15-?2 | GLM | 2??-1 | 0.37 | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 3-15-?2 | GLM | 2??-1 | 0.5? | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 3-25-?2 | GLM | 271-1 | [illegible] | [illegible] | ✓ | 5.00 | [illegible] | [illegible] |
| 3-25-?2 | GLM | 272-2 | [illegible] | — | | [illegible] | [illegible] | [illegible] |
| 3-25-?2 | GLM | 271-3 | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 3-25-?2 | GLM | 271-4 | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 3-25-?2 | GLM | ?1?-2 | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 3-25-?2 | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 3-?-?2 | GLM | ?3?-2 | [illegible] | [illegible] | ✓ | 5.00 | [illegible] | [illegible] |
| 3-?-?2 | GLM | [illegible] | 1.7? | — | | [illegible] | [illegible] | [illegible] |
| 3-1?-?2 | GLM | [illegible] | 1.6? | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 3-2?-?2 | GLM | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| 4-?-?2 | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 4-?-?2 | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 4-?-?2 | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 4-?-?2 | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| 4-1?-?2 | GLM | [illegible] | [illegible] | — | | [illegible] | [illegible] | [illegible] |
| 4-1?-?2 | GLM | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| 4-1?-?2 | GLM | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | GLM | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | GLM | [illegible] | [illegible] | — | | [illegible] | [illegible] | [illegible] |
| 4-3?-?2 | GLM | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | [illegible] | <0.50 | <0.50 | ✓ | | | |
| 5-?-?2 | GLM | [illegible] | <0.50 | <0.50 | ✓ | | | |
| 5-1?-?2 | GLM | ?23-1 | <0.50 | <0.50 | ✓ | [illegible] | [illegible] | [illegible] |
| | | ?23-21 | <0.50 | <0.50 | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | GLM | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | ?23 | <0.50 | <0.50 | ✓ | | | |
| | | | | | | | | |
| | | | | | | | | |

*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

✓ ≤ 0.5 [illegible]

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

** = $\bar{x} \pm 2S$

## ACCURACY AND PRECISION TABULATION

ANALYTE As
METHOD OF ANALYSIS [illegible]
DATE LAST UPDATED [illegible]
MEAN RECOVERY ($\bar{x}$) [illegible]

STANDARD DEVIATION(S) [illegible]
**LOWER CONFIDENCE LIMIT (LCL) [illegible]
**UPPER CONFIDENCE LIMIT (UCL) [illegible]

| DATE | ANALYST | SAMPLE ID OR STANDARD | BACKGROUND CONC. | DUPLICATE CONC. | * DIFF. | SPIKED CONC. OR STANDARD CONC. | RECOVERED CONC. | P* PERCENT RECOVERY |
|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ✓ | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | [illegible] | [illegible] | [illegible] | ✓ | | | |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | 7B3 | [illegible] | [illegible] | ✓ | | | |
| | | 7B3-2 | [illegible] | [illegible] | ✓ | | | |
| [illegible] | [illegible] | [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | 7B3 | [illegible] | [illegible] | ✓ | | | |
| [illegible] | [illegible] | [illegible] | | | ✓ | [illegible] | [illegible] | [illegible] |
| | | 7B3-1 | [illegible] | [illegible] | | | | |

*P = 100 $\frac{\text{Observed}}{\text{Known}}$ for Standards

P = 100 $\frac{\text{Observed} - \text{Background}}{\text{Spike}}$ for Sample Spikes

** = $\bar{x} \pm 25$

ATTACHMENT C
COUNTY ROAD MAP WITH
THREE MILE RADIUS

ATTACHMENT D
USGS TOPOGRAPHIC MAP WITH
THREE MILE RADIUS

# TEXAS WATER COMMISSION

Paul Hopkins, Chairman
John O. Houchins, Commissioner
B. J. Wynne, III, Commissioner

James K. Rourke, Jr., General Counsel
Michael E. Field, Chief Examiner
Karen A. Phillips, Chief Clerk

Larry R. Soward, Executive Director

## STATE SUPERFUND SITE DISPOSITION

TO: _____

FROM: _____

Site Name: _____
Location: _____
TWC Registration No.: _____
EPA ID No.: _____

No further action ☐

Further action needed by:

**EPA**

Emergency Response ☐ Site Assessment ☐

**TDH**

☐

**TWC**

District ☐ Water Quality ☐ Enforcement ☐

**OTHER**

☐

Explain: _____

Remarks: _____

P. O. Box 13087 Capitol Station • Austin, Texas 78711 • Area Code 512 463-7830

# TEXAS WATER COMMISSION

Paul Hopkins, Chairman
Ralph Roming, Commissioner
John O. Houchins, Commissioner

C. Martin Wilson III, General Counsel
James K. Rourke, Jr., Chief Examiner
Mary Ann Hefner, Chief Clerk

Larry R. Soward, Executive Director

August 4, 1987

Mr. Jimmy Tedford (FDIC)
P. O. Box 3148
Midland, Texas 79702

Re: B & W welding and Construction Site
(#3 East Industrial Loop)

Dear Mr. Tedford:

On March 17, 1987, an inspection was conducted of the B & W Welding and Construction site located at No. 3 East Industrial Loop in Midland, Texas, by Jones and Neuse, Inc., consultants for the Texas Water Commission (TWC), and TWC representatives. Jones and Neuse, Inc. was retained by the TWC to perform inspections at potential hazardous waste sites.

The inspection revealed that the well at the B & W site is completed below grade with no surface casing. This improper well construction can allow outside sources of contamination from the adjacent area to enter the well. Field screening of soils around the well indicated the presence of chromium, however, the samples did not reveal leachable levels of E. P. Toxicity chromium. Therefore, a hazardous waste is not present at the site.

To prevent any further or possible contamination of the groundwater, the well should be completed properly or plugged and any chromium-containing soil removed from the premises. Should chromium-contaminated soil be left on-site, the property is subject to deed recordation requirements as outlined in Texas Administrative Code §335.5 for industrial solid waste.

If you have any questions or problems, please call Mike Gutzmer at 512/463-7833.

Sincerely,

Christy Smith

Christy Smith
State Superfund Unit Head
Superfund Section
Hazardous and Solid Waste Division

MPG:bt

P. O. Box 13087, Capitol Station • Austin, Texas 78711 • Area Code 512 463-7800

**TELEPHONE MEMO TO THE FILE**

(Please complete with typewriter or black pen)

Call To: Cindy Smith

Call From: Bill Dawson

Date of Call:

File No.:

Phone No.: ( )

Subject: EVO Billing

Information for File:

Miss Dawson is a potential buyer of B+B Welding and wants to understand what the liability Certification report and accompanying letter are. Fax them to

Richard TX 77469

which was sent to Mr Telford and is to be mailed to Mr Dawson.

Signed:

TWC-0225B (Rev. 09-01-95)

# TEXAS WATER COMMISSION

Paul Hopkins, Chairman
Ralph Roming, Commissioner
John O. Houchins, Commissioner

Larry R. Soward, Executive Director
Mary Ann Hefner, Chief Clerk
James K. Rourke, Jr., General Counsel

April 10, 1987

Mr. Jimmy Tedford
FDIC
Midland Consolidated Office
P.O. Box 2836
Midland, Texas 79702

Re: #3 Industrial Loop Site Investigation

Dear Mr. Tedford:

This letter has been written pursuant to our telephone conversation of April 8, 1987. The site known as #3 Industrial Loop located in Midland, Texas, was investigated on March 17, 1987, by our consultant-Jones and Neuse, Inc., (JN). At that time soil and water samples were collected on the property site. Samples were also collected on the property directly south of #3 Industrial Loop. JN will be sending the TWC results of their investigation in the near future. We will be happy to forward a copy to you upon receipt.

If you have any questions, please feel free to contact Ms. Kate Arthur of the State Superfund Unit at 512/463-8055.

Sincerely,

Christy Smith

Christy Smith
State Superfund Unit Head
Hazardous and Solid Waste Division

KLA/kk

P.O. Box 13087 Capitol Station • Austin, Texas 78711 • Area Code 512 463 7830

# TEXAS WATER COMMISSION

Paul Hopkins, Chairman
Ralph Roming, Commissioner
John O. Houchins, Commissioner

Larry R. Soward, Executive Director
Mary Ann Hefner, Chief Clerk
James K. Rourke, Jr., General Counsel

March 16, 1987

Mr. Charles Faulds, P.E.
Jones and Neuse, Inc.
2720 Bee Caves Road
Austin, Texas 78746

Re: Sampling the Week of March 16, 1987

Dear Mr. Faulds:

The State Superfund Unit of the Texas Water Commission (TWC) has received the Data Collection Guidelines and the Executive Reports for the West Texas sites to be visited the week of March 16, 1987. The TWC would like to make the following comments and changes:

K and Kompany Electric - Midland, Texas

We will omit this site from further investigation. The invoices for the month of March should reflect this omission. Additional work will be substituted at a later date.

#3 Industrial Loop Site - Midland, Texas

Extensive field screening, both soil and ground water, will be done at this site. A spectrophotometer will be provided by the TWC to obtain relative concentrations of chromium in area water wells. All water samples will be held - not analyzed at this time. The holding time for this test is six months. A map will be drawn using the spectrophotometer data to correlate concentrations and ascertain the probable location of contamination. Soil screening samples will then be taken. Hot spots may be analyzed. A background soil sample will be collected and held. A map will be made showing the location of all areas field screened, samples, and wells.

Precision Machine and Supply - Odessa, Texas

Surface soils will be screened for lead, chromium, and pH. Borings shall be taken to determine the depth of contamination. If the depth is significant for ranking

P.O. Box 13087 Capitol Station • Austin, Texas 78711 • Area Code 512 463-7830

purposes, a sample shall be analyzed for lead and chromium. A background soil sample shall be collected and analyzed for lead and chromium. The nearest down-gradient water well used for a drinking water supply will be sampled and analyzed for chromium and lead. The nearest up-gradient water well will be sampled but not analyzed pending the results of the down-gradient sample. A map will be made showing the location of all areas field screened, samples, and wells. TWC chain of custody tags shall be double checked for concentration.

<u>El Paso Acid Corporation</u> - El Paso, Texas

The site will be field screened for pH. Jones and Neuse should be prepared to take soil samples for hydrocarbon constituents, EP tox heavy metals, as well as pH. The actual types and numbers of samples analyzed will be determined by the TWC in the field at the time of inspection. A map will be made reflecting the field activity.

If you have any questions or comments, please contact Ms. Kate Arthur of the State Superfund Unit regarding this matter.

Sincerely,

David H. Sorrells, P.E.
Chief, Superfund Section
Hazardous and Solid Waste Division

KA:cc

# TEXAS WATER COMMISSION

Paul Hopkins, Chairman
Ralph Roming, Commissioner
John O. Houchins, Commissioner

Larry R. Soward, Executive Director
Mary Ann Hefner, Chief Clerk
James K. Rourke, Jr., General Counsel

February 20, 1987

Mr. Jimmy Tedford
Federal Deposit Insurance Corporation
P. O. Box 3148
Midland, Texas 79702

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: #3 Industrial Loop Site

Dear Mr. Tedford:

The Texas Water Commission (TWC) is conducting a statewide program to assess potential hazardous waste facilities or areas to determine what types of waste may be present and if any of these sites pose an "imminent and substantial endangerment to public health and safety or the environment" in accordance with 31 Texas Administrative Code Chapter 335, Subchapter K. The TWC is authorized to conduct these inspections by §7(c) and §13(b)(1) of the Texas Solid Waste Disposal Act. The TWC hereby informs you that your facility or area has been selected for assessment after a review of the available and pertinent file material.

The consulting firm of Jones and Neuse (JN) is under contract with the TWC and is a duly authorized representative of the TWC. As representatives of the TWC, employees of JN may, upon presenting a letter of introduction, enter any facility or area to inspect a site. In accordance with the Texas Solid Waste Disposal Act, §7(a), authorized agents or employees of the TWC have the right to enter any property for the purpose of inspecting and investigating conditions relating to solid waste management and control. The TWC would appreciate your cooperation with JN personnel as you would cooperate with any State representative.

If samples are collected, your facility representative may obtain, upon request, a receipt describing the samples collected. You may also request a portion of each sample before the JN representative leaves the facility. Any such information must be specified as confidential at the time of the inspection so that appropriate protective measures may be taken. An inspection may include reviewing records, taking photographs, and collecting samples.

Mr. Michael Dick or one of his staff will attempt to contact you prior to inspecting the site. The inspection is tentatively scheduled for the week of March 16-20 or April 13-17.

Should you have any questions regarding this letter, please feel free to contact Ms. Christy Smith, State Superfund Unit Head at 512/463-7785.

Sincerely,

Bryan W. Dixon, P.E.
Director
Hazardous and Solid Waste Division

CS:bt

cc: TWC District 10 Office

Mr. Jimmy Tedford
Federal Deposit Insurance Corp.
P.O. Box 3148
Midland, Texas 79702

176571

Type of Service:

Registered
Certified
Express Mail

Insured
COD

Always obtain signature of addressee or agent and DATE DELIVERED.

Addressee's Address (ONLY if requested and fee paid)

Signature — Addressee

X

Signature — Agent

X

Date of Delivery

PS Form 3811, Feb. 1989

DOMESTIC RETURN RECEIPT

## #3 INDUSTRIAL LOOP SITE
## MIDLAND, TEXAS

The old B & W Building at No. 3 Industrial Loop was formally a metal fabrication and welding shop. Answering a complaint, a district inspection found the water in an on-site water well to be green. Analysis of the well made in December 1984 had chromium values of 1.6 ppm A private sample taken of the same well in April 1985 show 2.5 ppm of chromium. Samples taken at two off-site wells, showed the wells to be below .05 ppm .

Extensive sampling of area soils have shown no chromium. The source of the chomium in the groundwater is thought to be in a pit covered by cement located west of the site. A composite sample from the caliche pit located to the north had no chromium. There are no underground storage tanks or surface impoundments on site. One sample of soil taken "between the concrete and asphalt" showed a chromium level of 580 ppm. A phone call to Matt Tokheim indicated that the location of this sample is at Maverick Drilling, 1/4 mile to the northwest. The area has since been removed and disposed of.

Once on site, a brief overview will be conducted. The area showing high levels of chromium will be field screened and if positive I-E.P. Toxic chromium will be taken. Three water samples will be taken at the one on-site well and two off-site wells. A map will be made of the site showing the location of all areas field screened, samples and wells. Photographs of the site will be taken.

**DATA COLLECTION**
**GUIDELINE**

JN Submittal Date _____
TWC Approval Date _____

Site B & W Building (#3 Industrial Loop) - Midland, Texas
Team Leader Robert L. Sherrill
Team Member Miriam Renkin
TWC Contacts Kate Arthur 512/463-8055
Site Contacts Jimmy Tedford 800/592-4023

WASTE Type Anticipated Soil Contamination
Volume Unknown
Samples Anticipated EP Tox Chrome
Screening Analysis Field screen chromium
Comments _____

SURFACE WATER Availability None anticipated
Samples _____
Comments _____

GROUNDWATER Availability 1 well on-site/2 off-site
Samples Anticipated 3 Chromium
Screening Analysis _____
Comments _____

SURFACE SOIL Visible Stains Anticipated None

Soil Gas Sampling None

AIR Release Anticipated None

COMMENTS Site has been extensively studied by District 10 personnel. No evidence of soil contamination has been found. Groundwater contamination to 2.5 ppm $Cr^{+6}$ has been found.

SAMPLE DEVIATIONS ___NO ___YES
(Explanation Attached; See Attached Map)

Figure 1

Figure 1

Texas Department of Water Resources
District No. 10

Figure 2

Texas Department of Water Resources
District No. 10

Figure 2

P.O. BOX 1468
MIDLAND TEXAS 79702
(915) 683-3234 OR 563-1040

# Martin Water Laboratories, Inc.

708 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-432

## RESULT OF WATER ANALYSES

LABORATORY NO. 485145
SAMPLE RECEIVED 4-10-85
RESULTS REPORTED 4-12-85

TO: Mr. Paul Evans
P.O. Box 3148, Midland, Texas

COMPANY WDIC LEASE
FIELD OR POOL
SECTION BLOCK SURVEY COUNTY STATE
SOURCE OF SAMPLE AND DATE TAKEN.

NO. 1 Raw water - taken from water well @ #3 Industrial Loop, East. 4-10-85

NO. 2 Maximum contents for drinking water as recommended by the Texas Dept. of Health.

NO. 3

NO. 4

REMARKS:

| CHEMICAL AND PHYSICAL PROPERTIES | NO. 1 | NO. 2 | NO. 3 | NO. 4 |
|---|---|---|---|---|
| Specific Gravity at 60° F. | | | | |
| pH When Sampled | | | | |
| pH When Received | | | | |
| Bicarbonate as $HCO_3$ | | | | |
| Supersaturation as $CaCO_3$ | | | | |
| Undersaturation as $CaCO_3$ | | | | |
| Total Hardness as $CaCO_3$ | | | | |
| Calcium as Ca | | | | |
| Magnesium as Mg | | | | |
| Sodium and/or Potassium | | | | |
| Sulfate as $SO_4$ | | | | |
| Chloride as Cl | | | | |
| Iron as Fe | | | | |
| Barium as Ba | | | | |
| Fluoride Electric | | | | |
| Cobalt as Pb | | | | |
| Total Solids Calculated | | | | |
| Temperature °F | | | | |
| Carbon Dioxide, Calculated | | | | |
| Dissolved Oxygen, Winkler | | | | |
| Hydrogen Sulfide | | | | |
| Resistivity, ohms/m at 77° F | | | | |
| Suspended Oil | | | | |
| Filtrable Solids as mg/l | | | | |
| Volume Filtered, ml | | | | |
| Chromium, as Cr (hexavalent) | 7.52 | 0.05 | | |

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

Form No. 1

By

W. Reagan White, B.S.

**TEXAS WATER QUALITY BOARD**

No. HM 07398 District 10 County Midland Basin Colorado

Discharger Name B & W Bldg. - FDIC Time Collected ≈ 9.35 a.m.

Plant Name 43 Industrial Loop Point of Collection Spigot on side of building after ≈15 minutes

Method of Flow Measurement

Chlorine Contact Time

Date Shipped 12/13/84

Collector's Signature [illegible]

| PERMIT NUMBER (1–9) | PAGE NO. (10–12) | CARD TYPE (13) | DATE Mo. (14–15) | Day (16–17) | Yr. (18–19) | MAST CARD (20) |
|---|---|---|---|---|---|---|
| | | | 12 | 13 | 84 | |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| 00056 | | 00011 | | 00400 | |
| D.O. (mg/l) | | Turbidity (JTU) | | | |
| 00300 | | 00070 | | | |

**TEXAS WATER QUALITY BOARD**

Lab Used TDH Lab. No EW5-800

No. HM07398 District 10

Type Sample: Heavy Metals

Material Sampled: Raw, Partially Treated

Method of Preservation

Type Facility

Auxiliary Tags

Date Completed

Analyst's Signature

Grab ✓ Composite

Observations 12-14-84

JAN 1985

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Arsenic (ug/l) | | Barium (ug/l) | | | |
| 00002 | 15 | 00007 | <200 | 00003 | |
| Cadmium (ug/l) | | Chromium (ug/l) | | Copper (ug/l) | |
| 00027 | <10 | 00034 | 220 | 00043 | <20 |
| Lead (ug/l) | | Manganese (ug/l) | | Mercury (ug/l) | |
| 00051 | <50 | 00055 | <50 | 71900 | <0.33 |
| Nickel (ug/l) | | Selenium (ug/l) | | Silver (ug/l) | |
| 00067 | <20 | 00147 | <3 | 00072 | 0 |
| Zinc (ug/l) | | | | | |
| 00092 | 30 | | | | |

No. GW ——

TEXAS DEPARTMENT OF WATER RESOURCES
P.O. Box 13087, Capitol Station
Austin, Texas 78711

Work No. 7072
Org. No. 540
Sample No. ____

Owner B&W Bldg - Mr. Ikedal Barton Address 113 Industrial Loop Zip ____

County Midland Well No. ——

Location SE corner of Industrial Loop - Midland

Date Drilled ~ 1981 Depth ____ Aquifer Ogallala

Water Level ____ Sampled After Pumping ~ 15 Mins. (Hrs.) Yield ____ GPM Temperature ____ °F

Point of Collection spigot on north side of building Appearance ____ Clear ____ Turbid light green Color

Use Bldg has been vacant for approx 1 year Remarks ____ (Over)

Date Collected 10/31/84 Time ~ 3:40 pm By Joan Mitchell

Send copy of completed analysis to Dist 10 - J Mitchell TDWR Office No. 10

TDWR 0778

No. GW 2164

TEXAS DEPARTMENT OF WATER RESOURCES
P.O. Box 13087, Capitol Station

Work No. 7072
Org. No. 540
Sample No. ____

Point of Collection spigot on bldg

Lab Used TDH Lab No. [redacted] Method of Preservation ice

Type of Facility welding shop [illegible] Date Completed 11-16-84 Analyst's Signature [illegible]

| | Mg/l | EPM | | Mg/l | EPM | | Other Ions | Mg/l |
|---|---|---|---|---|---|---|---|---|
| Silica | 51 | | Carbonate | 0 | | ☐ | | |
| Calcium | 166 | 8.32 | Bicarbonate | 287 | 4.7 | ☐ | | |
| Magnesium | 64 | 5.27 | Sulfate | 430 | 8.96 | ☐ | | |
| Sodium | 351 | 14.34 | Chloride | 477 | 13.73 | ☐ | | |
| | Total | | | | | ☐ | | |
| ☐ Potassium | 20 | 0.46 | Nitrate | 12.01 | 0.19 | ☐ | | |
| [redacted] | [redacted] | 28.21 | pH 7.5 | Total | 27.58 | ☐ | | |
| | | | Dissolved Solids (sum) | 1694 | | | | |

Remarks ____

Total Alkalinity as $CaCO_3$ 235 (4.7)
Total Hardness as $CaCO_3$ 671 (13.56)
Specific Conductance (Micromhos/CM³) 2040

'D' items will be analyzed if checked, total iron requires separate sample.

TEXAS WATER QUALITY BOARD

No HM 07397 District

Discharger Name

Plant Name

Method of Flow Measurement

County Basin

Time Collected

Point of Collection

| PERMIT NUMBER | PAGE NO | DATE Mo | Day | Yr | Chlorine Contact Time |
|---|---|---|---|---|---|
| | | | | | Date Shipped |
| | | | | | Collector's Signature |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| DO (mg/l) | | Turbidity (JTU) | | | |

TEXAS WATER QUALITY BOARD

No HM07397 Lab Code Lab No. EWS-535

Type Sample Heavy Metals

Grab ✓ Composite

Observations

Material Sampled Raw, Partially T

Method of Preservation

Type Facility

Condition Tags

Date Completed

Study Director Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Arsenic (ug/l) | | Barium (ug/l) | | | |
| Cadmium (ug/l) | | Chromium (ug/l) | | Copper (ug/l) | |
| Lead (ug/l) | | Manganese (ug/l) | | Mercury (ug/l) | |
| Nickel (ug/l) | | Selenium (ug/l) | | Silver (ug/l) | |
| Zinc (ug/l) | | | | | |

TEXAS DEPARTMENT OF HEALTH
GC/MS ANALYSIS REPORT
EPA PRIORITY POLLUTANTS

SAMPLE CARL HUGGERS DATE: 12/4/84
C. HSIEH

TDH SAMPLE NUMBER: EWS-535
TDH SAMPLE NUMBER: HM07397

* ALL EMPTY SPACES BELOW INDICATE NONE DETECTED *

SAMPLE TYPE: WATER

SAMPLE CONDITION:

ACID EXTRACTABLES IN SORTED ORDER < 5 MICROGRAMS/LITER < 5 MILLIGRAMS/KILOGRAM

| NAME | QNT | NAME | QNT | NAME | QNT |
|---|---|---|---|---|---|
| PHENOL | <20 | 4-CHLORO-3-CRESOL | <20 | 4-NITROPHENOL | <20 |
| CRESOL(S) | | 2,4,6-TRICHLOROPHENOL | | 2,4-DINITROPHENOL | |
| 2-NITROPHENOL | | 2,4-DICHLOROPHENOL | | 2-METHYL-4,6-DINITROPHENOL | |
| 2,4-DIMETHYLPHENOL | | 2,4-DINITROPHENOL | | | |

BASE NEUTRAL EXTRACTABLES IN SORTED ORDER < 5 MICROGRAMS/LITER < 5 MILLIGRAMS/KILOGRAM

| NAME | QNT | NAME | QNT | NAME | QNT |
|---|---|---|---|---|---|
| 4-NITROANILINE | <10 | ACENAPHTHYLENE | <10 | FLUORANTHENE | <10 |
| BIS(2-CHLOROETHYL) ETHER | | DIETHYL PHTHALATE | | FLUORENE | |
| 1,3-DICHLOROBENZENE | | 2,4-DINITROTOLUENE | | HEXACHLOROBENZENE | |
| 1,4-DICHLOROBENZENE | | ACENAPHTHENE | | DIETHYLHEXYL PHTHALATE | |
| 1,2-DICHLOROBENZENE | | 2,6-DINITROTOLUENE | | DIMETHYLNITROSAMINE | |
| BIS(2-CHLOROISOPROPYL)ETHER | | FLUORENE | | CHRYSENE | |
| HEXACHLOROETHANE | | 4-CHLOROPHENYL PHENYL ETHER | | 3,3'-DICHLOROBENZIDINE | |
| N-NITROSODI-N-PROPYLAMINE | | DIBUTYL PHTHALATE | | BIS(2-ETHYLHEXYL)PHTHALATE | |
| NITROBENZENE | | DIMETHYLAMINE | | DI-N-OCTYL PHTHALATE | |
| ISOPHORONE | | N-NITROSODIPHENYLAMINE | | BENZO(b)FLUORANTHENE | |
| BIS(2-CHLOROETHOXY)METHANE | | 1,2-DIPHENYLHYDRAZINE | | BENZO(k)FLUORANTHENE | |
| 1,2,4-TRICHLOROBENZENE | | 4-BROMOPHENYL PHENYL ETHER | | BENZO(a)PYRENE | |
| NAPHTHALENE | | HEXACHLOROBUTADIENE | | INDENO(1,2,3-cd)PYRENE | |
| HEXACHLOROCYCLOPENTADIENE | | PHENANTHRENE | | DIBENZO(a,h)ANTHRACENE | |
| HEXACHLOROCYCLOPENTADIENE | | ANTHRACENE | | BENZO(ghi)PERYLENE | |
| 2-CHLORONAPHTHALENE | | DI-N-BUTYL PHTHALATE | | | |

PESTICIDES IN SORTED ORDER < 5 MICROGRAMS/LITER < 5 MILLIGRAMS/KILOGRAM

| NAME | QNT | NAME | QNT | NAME | QNT |
|---|---|---|---|---|---|
| ALDRIN | <20 | ALPHA-BHC | <20 | DELTA-BHC | <20 |
| DIELDRIN | | BETA-BHC | | ENDOSULFAN SULFATE | |
| DDD | | GAMMA-BHC | | ENDRIN | |
| DDE | | ALPHA-ENDOSULFAN | | GAMMA-BHC | |
| HEPTACHLOR | | BETA-ENDOSULFAN | | HEPTACHLOR EPOXIDE | |
| ENDRIN ALDEHYDE | | | | | |

VOLATILE ORGANICS IN SORTED ORDER < 5 MICROGRAMS/LITER < 5 MILLIGRAMS/KILOGRAM

| NAME | QNT | NAME | QNT | NAME | QNT |
|---|---|---|---|---|---|
| CHLOROMETHANE | <1 | 1,1-DICHLOROETHANE | <1 | 1,1,2-TRICHLOROETHANE | <1 |
| BROMOMETHANE | | CARBON TETRACHLORIDE | | 2-CHLOROETHYLVINYL ETHER | |
| VINYL CHLORIDE | | BROMODICHLOROMETHANE | | METHYLENE CHLORIDE | |
| CHLOROETHANE | | BENZENE | | 1,2-DICHLOROPROPANE | |
| TRICHLOROFLUOROMETHANE (DOUBLE CHECK) | | TRICHLOROETHYLENE | | TOLUENE | |
| CHLOROFORM | | 1,1,1-TRICHLOROETHANE | | TETRACHLOROETHYLENE (WATER & SOIL) | |
| METHYLENE CHLORIDE | | 1,1-DICHLOROETHYLENE | | 1,1,2,2-TETRACHLOROETHANE | |
| 1,1-DICHLOROETHANE | | TRANS-1,2-DICHLOROETHYLENE | | CHLOROBENZENE | |
| 1,1-DICHLOROETHANE | | 1,2-DICHLOROETHANE | | ETHYLBENZENE | |

TENTATIVE IDENTIFICATION OF THE TEN LARGEST NON PRIORITY POLLUTANT PEAKS BY COMPARISON WITH EPA/NIH MASS SPECTRAL LIBRARY. QUANTITATION AS DIB-ANTHRACENE IS PROVIDED, AND THE VALUES SHOULD BE REGARDED AS APPROXIMATE

| TENTATIVE COMPOUND IDENTIFICATION | APPROXIMATE CONCENTRATION AS D-10 ANTHRACENE (✓ MICROGRAMS/LITER) ( ) MILLIGRAMS/KILOGRAM |
|---|---|
| NO EXTRACTABLES DETECTED | |
| TRICHLOROFLUOROMETHANE (CAS DQA INTERNAL STANDARD) | 3.1 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

COMMENTS AND OTHER REQUESTED ANALYSES

SIGNATURE: Richard L. Albert
DATE: 12/11/84

#1

No. HM 08582 District 10 County Midland Basin Colorado

Discharger Name Lloyd Industrial Properties Time Collected 12 Noon

Plant Name Point of Collection Fish tract

Method of Flow Measurement after Storm

| PERMIT NUMBER | PAGE NO. | Rev. Sel. | DATE Mo. | DATE Day | DATE Yr. | Sample No. |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 0 8 | 1 5 | 8 5 | |

Chlorine Contact Time

Date Shipped 8-20-85

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |

TEXAS DEPARTMENT OF WATER RESOURCES

Lab Used TCM Lab No

No. HM 08582 District 10

Material Sampled: Raw, Partially Treated, Fi

EW5-3747

Type Sample: Heavy Metals

Method of Preservation

Grab ✓ Composite ... Hr

Type Facility

Observations Fish Tract

Auxiliary Tags

Sample #1

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | Chromium | [illegible] | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |

No. HM 08583 District 10 County Midland Basin Colorado

Discharger Name Midland Gear Time Collected 10:50am

Plant Name Point of Collection spigot in shop

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | Rec Type | DATE Mo. | Day | Yr. | Sub Type |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 13 | 95 | |

Chlorine Contact Time

Date Shipped 8-30-95

Collector's Signature Matt Tolbert

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08583 District 10 Lab Used TLL Lab. No

Type Sample: Heavy Metals Material Sampled (Raw, Partially Treated, Fi

Grab ✓ Composite ____ Hr. Method of Preservation Ice HNO3

Observations Sample [illegible] Type Facility [illegible]

Auxiliary Tags none

Date Completed [illegible]

Analyst's Signature [illegible]

EW5-3759

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | Chromium | <0.10 | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |

NOV 16 1995

#3

o. HM 08584 District 10 County Midland Basin Colorado

scharger Name Lee Ross Time Collected 11 30 am

ant Name F.C. Elkins Airport Point of Collection Spur 4 by railroad

ethod of Flow Measurement

| PERMIT NUMBER | PAGE NO. | CODE | DATE Mo. | Day | Yr. | WAT. TEMP. |
|---|---|---|---|---|---|---|
| 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 30 | 85 | |

Chlorine Contact Time

Date Shipped 8-30-85

Collector's Signature Dick Tokheim

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | Water Temp. | (°F) | | |

EXAS DEPARTMENT OF WATER RESOURCES

o. HM 08584 District 10 Lab Used TCH Lab. N.

ype Sample: Heavy Metals Material Sampled (Raw, Partially Treated, F EW5-3749

rab 1 Composite Hr. Method of Preservation

bservations Sample #3 Type Facility Final Well

Auxiliary Tags

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |
| | | Chromium | <0.0 | | |
| | | | | | 6 |

No. HM 08585 District 10 County Midland Basin Colorado

Discharger Name Small Business Complex Time Collected 11:35am

Plant Name Point of Collection Indoor faucet

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | SEQ | DATE Mo. | Day | Yr. | SAMPLE TYPE |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 2 4 | 1 3 | 8 5 | |

Chlorine Contact Time

Date Shipped 8-20-85

Collector's Signature Mell Tolbert

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08585 District 10 Lab Used TDH Lab. No

Material Sampled: Raw, Partially Treated, Fi EW5-3746

Type Sample: Heavy Metals

Method of Preservation

Grab ✓ Composite Hr.

Type Facility Industrial

Observations Sample #1

Auxiliary Tags

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | mg/L | [redacted] | |
| [redacted] | | [redacted] | <20 | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |

NOV 6 1985

#5

No. HM 08586 District K County Midland Basin Colorado

Discharger Name Mr Selby Time Collected 1:30 pm

Plant Name #C1 E. Industrial Loop Point of Collection outside spigot

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | Per OF | DATE Mo. | Day | Yr. | Sample Type |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 09 | 13 | 85 | |

Chlorine Contact Time

Date Shipped 9-30-85

Collector's Signature Matt Jackline

| 21 CODE | 26 PARAMETER VALUE | 36 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08586 District K Lab Used TAI Lab. I EW5-3750

Type Sample: Heavy Metals Material Sampled: Raw, Partially Treated,

Grab ✓ Composite Hr. Method of Preservation

Observations Sample #5 Type Facility

Auxiliary Tags

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 36 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |
| | | Chromium | µg/L | | |
| | | | | | |
| | | | | | |

#6

No. HM 08587 District 10 County [illegible] Basin Colorado

Discharger Name Bill Floyd Time Collected 2:30pm

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible]

| PERMIT NUMBER | PAGE NO. | Code Sec. | DATE Mo. | Day | Yr. | Mat. Code |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 17 | 85 | |

Chlorine Contact Time

Date Shipped

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08587 District 10 Lab Used [illegible] Lab. No.

Type Sample: Heavy Metals Material Sampled: Raw, Partially Treated, Fin EW5-3745

Grab ✓ Composite Hr. Method of Preservation [illegible]

Observations Sample #6 Type Facility [illegible]

Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |
| | | Chromium | mg/L | | |
| | | | | | |

NOV -- 6 1985

AFS

No. HM 08600 District 10 County Ellard Basin Colorado

Discharger Name B&M Gilt Tool Keith Rogers Time Collected 3:21 pm

Plant Name #40 Industrial Park Point of Collection spigot after swim

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | 3E | DATE Mo. | Day | Yr. | MAT STAT |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 13 | 85 | |

Chlorine Contact Time

Date Shipped 8-20-85

Collector's Signature Neil Kilbourn

| 21 CODE | 28 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08600 District 10 Lab Used TCH Lab. No. EWS-3748

Type Sample: Heavy Metals Material Sampled: Raw, Partially Treated, Fin

Grab 1 Composite Hr. Method of Preservation Ice, HNO3

Observations Sample #5 Type Facility WSU

Auxiliary Tags

Date Completed

Analyst's Signature

| 21 CODE | 28 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |
| | | Chromium | mg/l | | |
| | | | 2.20 | | |
| | | | | | |

No. HM 08506 District 10 County [illegible] Basin Colorado

Discharger Name Marion Vogel Time Collected 3:30 pm

Plant Name R.1 3 Box 313 78223 Point of Collection sight by pump

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | SEQ. | DATE Mo. | Day | Yr. | SUFFIX |
|---|---|---|---|---|---|---|
| | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 25 | 85 | |

Chlorine Contact Time

Date Shipped 8-25-85

Collector's Signature Matt [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | Water Temperature (°F) | | [redacted] | |
| [redacted] | | [redacted] | | | |
| [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08506 District 10

Type Sample: Heavy Metals

Grab ✓ Composite ____ Hr.

Observations

Lab Used TDH Lab [redacted] EW5-3790

Material Sampled: Raw, Partially Treated

Method of Preservation

Type Facility Private Well

Auxiliary Tags

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium µg/L | <20 | [redacted] | |
| Lead µg/L | <50 | [redacted] | | [redacted] | <.9 |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08576 District 10 County [illegible] Basin Colorado

Discharger Name [illegible] Time Collected [illegible]

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible]

| PERMIT NUMBER | PAGE NO. | LINE SEQ. | DATE Mo. | Day | Yr. | MAT STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 0 | 1 2 | 3 5 | |

Chlorine Contact Time [illegible]

Date Shipped [illegible]

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] | | [illegible] (PF) | | [illegible] | |
| 0 0 0 5 6 | | 0 0 0 1 1 | | 0 0 4 0 0 | |
| [illegible] | | [illegible] (JTU) | | | |
| 0 0 3 0 0 | | 0 0 0 7 0 | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08576 District [illegible] Lab Used [illegible] Lab #

EWS- 1024

Type Sample: Heavy Metals

Material Sampled: (Raw, Partially Treated,

Method of Preservation [illegible]

Grab [illegible] Composite [illegible] Hr

Type Facility [illegible]

Observations [illegible]

Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] | | [illegible] | | | |
| [illegible] | | Chromium [illegible] | | [illegible] | |
| [illegible] | | [illegible] | | [illegible] | |
| Nickel [illegible] | | [illegible] | | [illegible] | |
| Zinc [illegible] | | | | | |

FEB 25 1986

No. HM [illegible] District [illegible] County [illegible] Basin [illegible]

Discharger Name [illegible] Time Collected [illegible]

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible]

| [redacted] | PAGE NO. | DATE Mo. | Day | Yr. | PAGE |
|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 14 15 | 16 17 | 18 19 | 20 |
| | | 0 | [illegible] | [illegible] | |

Chlorine Contact Time [illegible]

Date Shipped [illegible]

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| 0 0 0 6 0 | | 0 0 0 1 1 | | 0 0 4 0 0 | |
| [redacted] | | [redacted] | | | |
| 0 0 3 0 0 | | 0 0 0 7 0 | | | |

EXAS DEPARTMENT OF WATER RESOURCES

No. HM [illegible] District [illegible] Lab Used [illegible] Lab N

EW5- 1025

Type Sample: Heavy Metals

Material Sampled (Raw, Partially Treated, [illegible]

Method of Preservation [illegible]

Grab [illegible] Composite [illegible]

Type Facility [illegible]

Observations [illegible]

Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | | [redacted] | |
| Lead | | [redacted] | | [redacted] | |
| Nickel | | [redacted] | | [redacted] | |
| Zinc | | | | | |

FEB 25 1985

No. HM [illegible] District 10 County [illegible] Basin [illegible]

Discharger Name [illegible]

Time Collected [illegible]

Plant Name [illegible]

Point of Collection [illegible]

Method of Flow Measurement [illegible]

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo. | DATE Day | DATE Yr. | DATE STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | [illegible] | [illegible] | [illegible] | |

Chlorine Contact Time [illegible]

Date Shipped [illegible]

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| 0 0 0 6 0 | | 0 0 0 1 1 | | 0 0 4 0 0 | |
| D.O. (mg/l) | | Turbidity (JTU) | | | |
| 0 0 3 0 0 | | 0 0 0 7 0 | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM [illegible] District [illegible]

Lab Used [illegible] Lab No EW5- 1023

Type Sample: Heavy Metals

Material Sampled: Raw, Partially Treated, Fi

Method of Preservation [illegible]

Grab [illegible] Composite [illegible] Hr

Type Facility [illegible]

Observations [illegible]

Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] | | [illegible] | | | |
| [illegible] | | Chromium | | [illegible] | |
| Lead | | [illegible] | | [illegible] | |
| 0 0 0 4 | | | | | |
| Nickel | | [illegible] | | [illegible] | |
| 0 0 0 2 | | | | | |
| Zinc | | | | | |
| 0 0 0 2 | | | | | |

FEB 25 1985

TEXAS WATER QUALITY BOARD

No. HM 07399 District 10 County Midland Basin Colorado

Discharger Name Mr. Gas [illegible] Time Collected [illegible]

Plant Name Spike 1014 401 W [illegible] Point of Collection [illegible] SE [illegible]

Method of Flow Measurement [illegible] 79701 [illegible]

Chlorine Contact Time

Date Shipped 10/13/84

Collector's Signature [illegible]

| PERMIT-NUMBER | PAGE NO. | DATE Mo. | Day | Yr. |
|---|---|---|---|---|
| | | | | |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| 00050 | | 00011 | | 00400 | |
| D.O. (mg/l) | | Turbidity (JTU) | | | |
| 00300 | | 00070 | | | |

TEXAS WATER QUALITY BOARD

Lab Used [illegible] Lab. No. EW5-801

No. HM07399 District 10

Type Sample: Heavy Metals

Material Sampled Raw/Partially Treated

Method of Preservation [illegible]

Grab [illegible] Composite [illegible]

Bottle Number [illegible]

Observations [illegible]

Analysis Date [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

10-19-84

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] | | [illegible] | | [illegible] | |
| 01002 | | 01007 | | 01025 | |
| [illegible] | | Chromium (ug/l) | | [illegible] | |
| 01037 | | 01030 | | 01030 | |
| [illegible] | | [illegible] | | [illegible] | |
| 00631 | | 01055 | | 01000 | |
| [illegible] | | [illegible] | | [illegible] | |
| 01007 | | 01027 | | 01077 | |

TEXAS WATER COMMISSION

#-15

No. HM 08637 District 10 County Ector Basin Colorado

Discharger Name Disposal Pit near Ind. Loop, Midland Time Collected 3:00 pm

Plant Name Point of Collection

Method of Flow Measurement

| [redacted] | PACK | CODE | DATE Mo. | Day | Yr. | MAT CODE |
|---|---|---|---|---|---|---|
| 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 0 8 | 1 4 | 8 5 | |

Chlorine Contact Time

Date Shipped 9-16-85

Collector's Signature Matt Tabbein

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | (°F) | [redacted] | |
| [redacted] | | [redacted] | | | |

TEXAS WATER COMMISSION

No. HM 08637 District 10 Lab Used TDH Lab. No.

Type Sample: Heavy Metals Material Sampled Raw, Partially Treated, Final, Stream

Grab Composite Method of Preservation None

Observations Run Leachate Type Facility Waste Pit

Auxiliary Tags none

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | | Chromium Leachate mg/l | [redacted] | UR-9 |
| [redacted] | (NEP Tot) mg/l | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |

#16

HM 08505 District 10 County Midland Basin Colorado

charger Name Landfill Time Collected 3:45 pm

nt Name Sand Bar Bridge Point of Collection Manhole at Sand Bar

thod of Flow Measurement

| PERMIT NUMBER | PAGE NO. | DATE Mo. | Day | Yr. |
|---|---|---|---|---|
| | | 09 | 01 | 85 |

Chlorine Contact Time

Date Shipped 9-30-85

Collector's Signature Mark Johnson

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

XAS DEPARTMENT OF WATER RESOURCES

HM 08505 District 10 Lab Used TCH Lab. No.

e Sample: Heavy Metals Material Sampled, Raw, Partially Treated, Final

Composite Hr. Method of Preservation

servations Soil Sample Type Facility Landfill

Auxiliary Tags

Date Completed

Analyst's Signature

EWS-3789

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | Chromium | µg/L | | |
| | | | <50 | | |
| Lead | µg/L | | | | |
| | <50 | | | | |

No. HM 08504 District 10 County [illegible] Basin [illegible]

Discharger Name [illegible] Time Collected [illegible]

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible] Composite

| PERMIT NUMBER | PAGE NO. | Rpt. Type | DATE Mo. | Day | Yr. | Mult. Stage |
|---|---|---|---|---|---|---|
| 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 06 | 12 | 85 | |

Chlorine Contact Time

Date Shipped [illegible]-85

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | Water Temperature (°F) | | [redacted] | |
| [redacted] | | [redacted] | | | |
| [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08504 District 10

Type Sample: Heavy Metals

Grab Composite Hr.

Observations [illegible]

Lab Used TPH Lab. No

Material Sampled: (Raw) Partially Treated, Fi

Method of Preservation [illegible]

Type Facility

Auxiliary Tags

Date Completed [illegible]

Analyst's Signature [illegible]

EW5-3788

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium mg/l | | [redacted] | |
| Lead mg/l | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | | | | |

T TEXAS WATER COMMISSION TDWR 0287

#15

No. HM 7550 District 12 County Ector Basin Colorado

Discharger Name Texas Plastics Fort Lowa Station Time Collected 3:15 pm

Plant Name _____ Point of Collection city drain

Method of Flow Measurement _____

| PERMIT NUMBER | PAGE NO. | Sex | DATE Mo. | Day | Yr. | Valid |
|---|---|---|---|---|---|---|
| 1 8 | 10 12 | 13 | 14 16 | 16 17 | 18 19 | 20 |
| | | | 06 | 13 | 85 | |

Chlorine Contact Time _____

Date Shipped 9-16-85

Collector's Signature Matt Tolheim

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |

T TEXAS WATER COMMISSION

No. HM 00736 District 12

Type Sample Heavy Metals

Grab _____ Composite _____

Observations _____

Lab Used TDH Lab No. EW6 0085

Material Sampled Raw, Partially Treated, F

Method of Preservation _____

Type Fixation _____

Auxiliary Tags _____

Date Completed _____

Analyst's Signature _____

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | Chromium | Leachable | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | | | | |

OCT 17 1985

. HM 08536 District 53 County Hallam Basin [illegible]

charger Name [illegible] Time Collected [illegible]

nt Name [illegible] Point of Collection [illegible]

thod of Flow Measurement [illegible]

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo. | Day | Yr. | MAT STAMP |
|---|---|---|---|---|---|---|
| | | | 03 | 17 | 86 | |

Chlorine Contact Time

Date Shipped [illegible]

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

RECEIVED APR 30 86 FIELD OPERATIONS DISTRICT 10

TEXAS WATER COMMISSION

o. HM 08536 District 53 Lab Used TDH Lab No. [illegible]

ype Sample: Heavy Metals MAR 19 '86 Material Sampled Raw, Partially Treated, Fin

ab Composite hr. Method of Preservation [illegible]

bservations [illegible] Type Facility [illegible]

[illegible] Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Arsenic | | Barium | | | |
| Cadmium | | Chromium | | Copper | |
| Lead | | Manganese | | Mercury | |
| Nickel | | Selenium | | Silver | |
| Zinc | | Values are mg/l | | | |

Complaints

OFFICIAL COPY
TDWR CENTRAL FILES

TEXAS DEPARTMENT
OF WATER RESOURCES

CITATION NO.
4823

TDWR SW Reg. 31646

PARTY CITED Dowell Division-Dow Chemical Company TWC Permit No. None

Address P O Box 1858 TX Permit No. None

City Midland, Texas Zip 79702 County in which offense occurred Midland

Telephone No. AC 915 /682-4351 Date offense charged 5-18-83 TDWR Inspector Bill Lockey

Description of offense charged A complaint investigation on May 19, 1983 revealed an unauthorized discharge of acid wastewater into an adjacent roadside ditch near the intersection of County Road 170 East and County Road 1130 South, in the Colorado River Basin, from well-service vehicles of Dowell Division-Dow Chemical Company in Midland.

CITATION Issued By William F. Lockey, Supervisor Date May 23, 1983

*This Citation directs the party cited for the offense charged to remedy the violation and take corrective measures. The party cited shall not later than the date specified in this notice of what corrective measures have been undertaken and the date by which such measures will be completed.*

ISSUING OFFICE
Texas Department of Water Resources
204-A West 5th Street
Odessa, Texas 79761
915/332-5122

The written notice of corrective measures shall be submitted no later than June 3, 1983

I hereby acknowledge receipt of this CITATION _____
(Signature)

(Receipt does not constitute an admission of guilt.) _____ Date

Certified Mail- Return Receipt Requested No. P 249 544 466

TDWR-0205 (Rev. 2-23-79)
Page 1 of 4

DOWELL DOWELL DIVISION OF DOW CHEMICAL U.S.A.

June 3, 1983

RECEIVED
JUN 06 '83
DEPT. OF
WATER RESOURCES
DISTRICT 10

WILLIAM F. LOCKEY, SUPERVISOR
TEXAS DEPARTMENT OF WATER RESOURSES
204-A WEST 5th STREET
ODESSA, TEXAS 79761

RECEIVED
JUL 14 '83
ENFORCEMENT AND
FIELD OPERATIONS

RE: CITATION NO. 4823

Dowell has cleaned up this spill in accordance to your recommendation and our spill control and countermeasure plan. This spill was cleaned up on May 21, 1983. We feel that there is no further action required.

Sincerely,

Donald B. Brown

Donald B. Brown
Regional Enviromental Co-ordinator

DBB/ah

TEXAS DEPARTMENT OF WATER RESOURCES
1700 N. Congress Avenue
Austin, Texas

TEXAS WATER DEVELOPMENT BOARD
Louis A. Beecherl, Jr., Chairman
George W. McCleskey, Vice Chairman
Glen E. Roney
W. O. Bankston
Lonnie A. "Bo" Pilgrim
Louie Welch

Charles E. Nemir
Executive Director

TEXAS WATER COMMISSIO
Lee B. M. Biggart, Chairman
Felix M. Donald
John D. Stover

May 24, 1983

CERTIFIED MAIL-RETURN RECEIPT REQUESTED
NO. P 249 544 466

Dowell Division-Dow Chemical Co.
P O Box 1858
Midland, Texas 79702

Attention: Donald Brown

Dear Mr. Brown:

Re: Citation No. 4823

A recent complaint investigation by Department representatives on May 19, 1983 revealed an unauthorized discharge of acid wastewater into an adjacent roadside ditch near the intersection of County Road 170 East and County Road 1130 South. Apparently, Dowell Division personnel intentionally discharged the material on the evening of May 18, 1983 after treating a nearby well. Such discharge into or adjacent to state waters is a violation of statutes of the Texas Water Code.

Section 26.212 of the Texas Water Code provides that

(a) No person may discharge, or cause or permit the discharge of any waste into or adjacent to any water in the state which causes or which will cause water pollution unless the waste is discharged in compliance with a permit or order issued by the department or the Railroad Commission of Texas.

(b) No person to whom the Texas Water Commission has issued a permit or other order authorizing the discharge of any waste at a particular location may discharge, or cause or permit the discharge of the waste in violation of the requirements of the permit or order.

Section 26.213 provides that

A person who violates the provisions of Section 26.212 of this chapter is guilty of a misdemeanor and on conviction

REPLY TO: DISTRICT 10 / 204 A W. 5TH STREET / ODESSA, TEXAS 79761 / AREA CODE 915 332 5122
P. O. Box 13087 Capitol Station ● Austin, Texas 78711 ● Area Code 512 475 3187

is punishable by a fine of not less than $10 nor more than $1,000. Each day that a violation occurs constitutes a separate offense.

Due to these violations, it is necessary to issue a citation for documentation of the offense. Attached is a pink copy for your records via certified mail as referenced. Please take notice of the corrective measures due date of June 3, 1983 for submitting to the district, a written notification of what corrective measures have been undertaken and the date by which such measures will be completed. Your signature on the return receipt is acknowledgement of Citation No. 4823.

Should you need assistance, please feel free to contact me at the Odessa district office.

Sincerely,

William F. Lockey

William F. Lockey,
District Supervisor

WFL/pb

Attachment

CERTIFIED MAIL-RETURN RECEIPT REQUESTED NO. P 249 544 466

P 249 544 466

**RECEIPT FOR CERTIFIED MAIL**

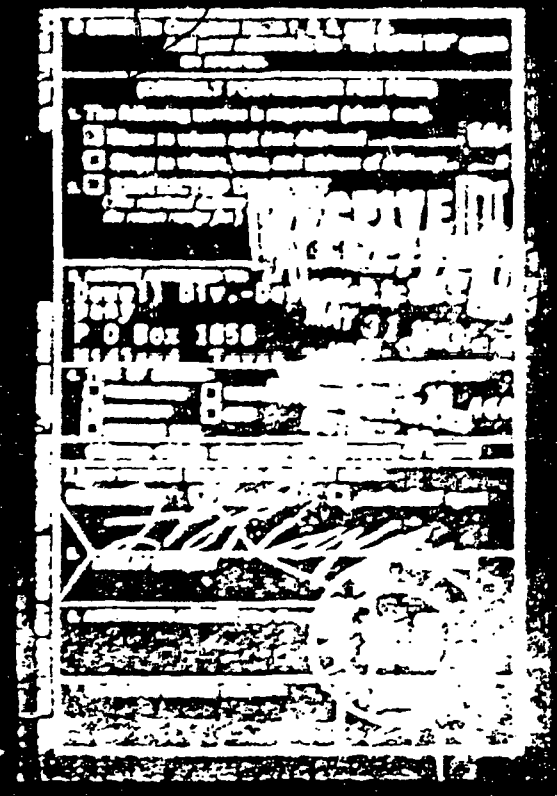
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Dowell Div.-Dow Chemical Company
P O Box 1858
Midland, Texas 79702

| | |
|---|---|
| POSTAGE | $ .20 |
| CERTIFIED FEE | .75 |
| SPECIAL DELIVERY | |
| RESTRICTED DELIVERY | |
| RETURN RECEIPT SERVICE | .60 |
| TOTAL POSTAGE AND FEES | $1.55 |
| POSTMARK OR DATE | |

CONSULT POSTMASTER FOR FEES
OPTIONAL SERVICES

PS Form 3800, Apr. 1976



RECEIVED

AUG 1 7 '84

ENFORCEMENT AND FIELD OPERATIONS

# TEXAS DEPARTMENT OF WATER RESOURCES

## INVESTIGATION REPORT

DISTRICT 10

Date Investigation Requested July 19, 1984 Source Correspondence from Texas Railroad Commission (RRC)

Request for Assistance or Complaint X

Name Rev. G.A. MaGee ( EF8407013 Dist. Ref. #84-7-35

Address 1710 N. Big Spring

City State Zip Midland, Texas 79701

Telephone office (915) 682-9474 home (915) 682-[illegible]

TYPE

Pollution Surface Water
Pollution Ground Water
Solid Waste
Water Rights
Others

Location Southeast of Midland, off of Farm Road 307 in Greenwood.

Alleged Problem Chemicals are stored in metal building which is adjacent to Rev. MaGee's water well.

Summary of Investigation The locked metal building is owned by Mr. Les Freeze (Pre-Treat-915/687-3533). Various treating chemicals (naptha, etc.) utilized to maintain the integrity of a producing oil/gas well, are stored in the building in product form. Empty and/or near empty 55 gallon steel drums that contain the treating chemical residues are also stored in the building. These unrinsed drums are transported to Odessa Drum for cleaning/recycling. The metal building is fully enclosed and has concrete flooring which is sloped toward a small underground storage tank to contain spillage etc.

[ ] Interim Status of Corrective Action if problem is not yet resolved

[X] Final Resolution of Problem This complaint was referred on July 30, 1984 to the Texas Department of Health Lubbock office as they are currently regulating Odessa Drum.

Date and method of notification of person making request for assistance or complaint Rev. MaGee was informed August 7, 1984 by the District 10 office of the above findings and that the complaint was referred to the Texas Department of Health.

County Midland Segment No 1412

Jean Middleton
Jean Middleton, Senior Investigator

River Basin Colorado Permit No None

William T. Lockey
William T. Lockey, Supervisor

Date August 8, 1984

AP 0068 (Rev 8 1980)

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

MACK WALLACE, Chairman
BUDDY TEMPLE, Commissioner
JAMES E. (JIM) NUGENT, Commissioner

J. H. MORROW, P.E.
Director
PHILLIP C. STEED, P.E.
Director, Field Operations

1124 S. IH 35 CAPITOL STATION — P.O. DRAWER 12967 AUSTIN, TEXAS 78711-2967

JUL 17 '84
ENFORCEMENT AND FIELD OPERATIONS

July 16, 1984

Ms. Leah Burnett
Texas Department of Water Resources
Enforcement & Field Operations Division
Box 13087 Capitol Station
Austin, Texas 78711

Re: Mr. G. A. Magee Complaint #8-0187
Pre-Treat Co.
Midland County, Texas

Dear Ms. Burnett:

The enclosed copy of our report on the subject complaint is being forwarded for your review and any assistance you might be able to provide. The problem does not appear to be related to oil and gas operations. Please contact our Midland office if you need additional information or assistance.

Very truly yours,

Bill R. Hall
Assistant Director, Field Operations

BRH:bw

Enclosure

cc: RRC-Midland

An Equal Opportunity Employer

# RAILROAD COMMISSION OF TEXAS
## OIL AND GAS DIVISION

MACK WALLACE, Chairman
BUDDY TEMPLE, Commissioner
JAMES E. (JIM) NUGENT, Commissioner

J. H. MORROW, P.E.
Director
WILLIS C. STEED,
Director, Field Operations
ARCHIE P. FARR, P.E.
District Director

2509 N. BIG SPRING | P. O. BOX 2110 | MIDLAND, TEXAS 79702

July 6, 1984

MEMORANDUM: Mr. Willis C. Steed, Director of Field Operations

ATTENTION: Mr. Bill R. Hall

Re: Pro-Treat Co.
Midland County, Texas

SUBJECT: Complaint Inventory No. 8-0187

COMPLAINT BY: Mr. G.A. Magee
1710 N. Big Spring
Midland, Texas 79701
home (915) 694-0469
office (915) 682-9474

Date: July 2, 1984
Reported: Telephone

NATURE OF COMPLAINT: Chemical stored in barn near his water well.

INVESTIGATED: Wayne G. McClung Date: July 3, 1984

RESULTS: An inspection indicated a large locked metal building very near Mr. Magee's water well. No indication of an oilfield related problem.

FOLLOW-UP: Recommend that this problem be referred to the Texas Department of Water Resources.

COMPLAINANT CONTACT: In person July 3, 1984.

Archie P. Farr, District Director

An Equal Opportunity Employer

**FDIC**
Federal Deposit Insurance Corporation

December 15, 1986

Ms. Christy Smith
Texas Water Commission - Superfund
P. O. Box 13087
Austin, TX 78711

RE: Chromium Contaminated Site in Midland, Texas, known as the B&W Building - Address of #3 E. Industrial Loop

Dear Ms. Smith:

Pursuant to our latest telephone conversation on Tuesday, December 2, 1986, I wish to thank you for your consideration in contacting me.

I would like to request a current written update on the status of the contamination referenced above. Your last report to me indicated that the Superfund group had begun working on this problem but had made no progress as yet. Please make a report to me at your very earliest convenience.

The FDIC is ready to sell this property and shall do so with chromium contamination in place, if possible, as holding costs for this property have become inhibitive.

If I may be of any assistance or if you have any questions, please do not hesitate to contact me at 1-800-592-4023, Extension 6484.

Very truly yours,

Paul D. Evans
Liquidation Assistant
ORE/Commercial

PDE/bjw

cc: Bill Lockey
Texas Water Commission - Dist. 10
204-A W. 5th
Odessa, TX 79761-5023

Billy Brown
Texas Water Commission
P. O. Box 13087
Austin, TX 78711

**FDIC**
**Federal Deposit Insurance Corporation**
P.O. Box 3148, Midland, Texas 79702

CERTIFIED P 496 857 064

November 26, 1986

Mr. Guy Tidmore - Superfund
Texas Water Commission
P. O. Box 13087
Austin, Texas 78711

RE: Chromium Contaminated Site in
Midland, Texas - Owned by the FDIC

Dear Mr. Tidmore:

This letter is a follow up to my previous letter dated October 24, 1986, copy attached. I have not received any type of reply from you.

The FDIC's situation is considered urgent; however, no progress is being made.

Again I wish to request your immediate attention to this matter. This real estate is for sale but the contamination is creating a major barrier.

If I may be of any assistance, please contact me at 1-800-592-4023. A reply at your earliest convenience would be deeply appreciated.

Yours very truly,

Paul D. Evans

Paul D. Evans
Liquidation Assistant

PDE:om

posit Insurance Corporation
48, Midland, Texas 79702

October 24, 1986

Mr. Guy Tidmore - Superfund
Texas Water Commission
P.O. Box 13087
Austin, TX 78711

RE: Chromium Contaminated Site in
Midland, TX - Owned by the FDIC

Dear Mr. Tidmore:

I recently spoke with Dick Ehlert of your organization and he has referred me to you about the referenced contaminated site. I believe this site is on the Texas Water Commission records as the B & W Building. I refer to it by its address, 13 E. Industrial Loop.

I am contacting you, following Mr. Ehlert's recommendation, about the urgency of development on this chromium site. The FDIC has owned it since the discovery of the Chromium contamination, October, 1984, and is unable to sell the property, due to the liability resting with the contaminated situation.

I wish to request your immediate attention to this matter in establishing whether this property will qualify for superfund status. The FDIC is continually incurring considerable holding costs while unable to sell this real estate.

Please reply at your earliest convenience. Thank you for your time.

Very truly yours,

Paul D. Evans
Liquidation Assistant

PDE/gsw

cc: Bill Brown
Texas Water Commission
P.O. Box 13087
Austin, TX 78711

Matt Tokheim
Texas Water Commission - Dist. 10
204-A W. 5th
Odessa, TX 79761-5023

**FDIC**
**Federal Deposit Insurance Corporation**
P.O. Box 3148, Midland, Texas 79702

DIST 10 #3 inst

October 24, 1986

Mr. Guy Tidmore - Superfund
Texas Water Commission
P.O. Box 13087
Austin, TX 78711

RE: Chromium Contaminated Site in
Midland, TX - Owned by the FDIC

Dear Mr. Tidmore:

I recently spoke with Dick Ehlert of your organization and he has referred me to you about the referenced contaminated site. I believe this site is on the Texas Water Commission records as the B & W Building. I refer to it by its address, #3 E. Industrial Loop.

I am contacting you, following Mr. Ehlert's recommendation, about the urgency of development on this chromium site. The FDIC has owned it since the discovery of the Chromium contamination, October, 1984, and is unable to sell the property, due to the liability resting with the contaminated situation.

I wish to request your immediate attention to this matter in establishing whether this property will qualify for superfund status. The FDIC is continually incurring considerable holding costs while unable to sell this real estate.

Please reply at your earliest convenience. Thank you for your time.

Very truly yours,

Paul D. Evans
Liquidation Assistant

PDE/gsw

cc: Bill Brown
Texas Water Commission
P.O. Box 13087
Austin, TX 78711

Matt Tokheim
Texas Water Commission - Dist. 10
204-A W. 5th
Odessa, TX 79761-5023

**TELEPHONE MEMO TO THE FILE**

(Please complete with typewriter or black pen)

Call To: P Evans

Call From: C Smith

Date of Call: 12-2-86

File No.: 113 Industrial Loop

Phone No.: (915) 685-6400

Subject:

Information for File:

Mr. Evans was inquiring through 2 letters to the TWC about the status of the above referenced property. The FDIC now owns the property and wishes to sell it, but cannot until the extent of contamination has been defined and cleanup accomplished. I informed Mr. Evans that our consultant would be investigating the site within the next year.

Signed: Christy Smith

TWC-02258 (Rev. 09-01-88)

(1)

# TELEPHONE MEMO TO THE FILE

(Please complete with typewriter or black pen)

Call To: [illegible]

Call From: Ralph Johnson

Date of Call: 10/ /86

File No.: D-10

Phone No.: ( )

Subject: State Superfund Referrals

Information for File: Ralph called to give some sites that District 10 would like to be addressed under the State Superfund Investigation Contract. These sites are:

1) Presidio Pesticides - old customs airport in Presidio, no longer used - but runway is still in existence. D-10 indicates that there is definite pesticide contamination - but did not indicate what levels. There are several empty containers around the runway. Visual discoloration is readily apparent. The exact location is difficult to place for present ownership due to poor surveys in the area.

2) #3 Industrial Loop - aka B&W Building - located in the industrial area of Midland, south of downtown. Problem is chromium contamination of soil and potentially groundwater levels

(continued)

Signed:

TWC-0225B (Rev. 09-01-85)

(3)

TELEPHONE MEMO TO THE FILE

(Please complete with typewriter or black pen)

Call To: _____ Call From: D-10

Date of Call: 10/ /86 File No.: _____

Phone No.: ( ) _____ Subject: _____

(continued)

Information for File: of contamination were not given. Don't know if there is a well accessible for sampling. B&W Building was in receivership to local bank which is now being managed by FDIC — making FDIC liable party or at least property owner. FDIC is aware of the contamination and would like resolution of problem.

3) Cisco, Howard County - Groundwater contamination by hydrocarbons. Level of contamination was not given over the phone. D-10 indicates they do have sample analyses. Source of contamination is unknown.

4) North Dixie Chromium - Ground water contamination in north Odessa. An isolated water well (domestic) shows chromium contamination. Level of contamination was not indicated over the phone. Source of contamination is not known.

Signed: (cont.)

TWC 02258 (Rev. 08-01-85)

(3)

**TELEPHONE MEMO TO THE FILE**

(Please complete with typewriter or black pen)

Call To: _____ Call From: D-10

Date of Call: 10/ /86 File No.: _____

Phone No.: (____) _____ Subject: _____

(continued)

Information for File:

5) West 42nd Street - Several facilities in Odessa along West 42nd Street have chromium contamination in their wells. Basically an industrial area, but chrome platers or strippers in area. Source of contamination is not known. Level of contamination was not indicated.

D-10 was advised to complete an IOM containing all of the pertinent facts, including any and all analyses, and formally refer the cases to State Superfund through the appropriate channels. I did indicate that Presidio Pesticides and #3 Industrial Loop would be under investigation by Jones and Nance for the SSF to determine whether they were appropriate for inclusion on site registry.

Signed: [signature]

TWC-02258 (Rev. 09-01-85)

Contaminated Groundwater

# TEXAS WATER COMMISSION

## INVESTIGATION REPORT

DISTRICT 10

Date Investigation Requested October 30, 1984 Source Jed Barker - Texas Department of Health

Request for Assistance _____ or Complaint X

Austin #EF8412001
Dist. Ref. #84-11C41

Name: Anonymous

Address: Unknown

City, State, Zip: Unknown

Telephone: Unknown

TYPE

| | |
|---|---|
| Pollution, Surface Water | |
| Pollution, Ground Water | XX |
| Solid Waste | |
| Water Rights | |
| Others | |

Location: Old B&W Building, #3 Industrial Loop, Midland, Midland County, Texas.

Alleged Problem: The groundwater at the above location is discolored light green.

The property is currently owned by the FDIC.

Summary of Investigation: B&W was formerly a metal fabrication, welding shop. Initial investigation conducted by Joan Middleton revealed the water to be green. Analyses taken by Ms. Middleton on December 13, 1984 revealed chromium at 1.66 mg/l.

☐ Interim Status of Corrective Action if problem is not yet resolved

☒ Final Resolution of Problem: An additional investigation (see attachment) completed January 14, 1986 consisted of sampling surrounding water wells and sampling of a nearby calichie pit used for disposal of various types of waste. No chromium was found in any other samples taken. On March 17, 1986 it was learned that an old drilling mud company was located approximately ¼ mile to the northwest of the contaminated well. Soil samples showed hazardous levels of hexavalent chrome. Appropriate measures will be taken to insure clean-up of this site.

*Date and method of notification of person making request for assistance or complaint:* Paul Evans with the FDIC will be updated with each new development.

County Midland Segment No. 1412

River Basin Colorado Permit No N/A

Matt Tokheim
Matt Tokheim Signature of Investigator

William F. Lockey
William F. Lockey, District Manager

Date July 15, 1986

C 0204 (Rev. 09 22 85)

FDIC
Federal Deposit Insurance Corporat

Midland Co.

April 16, 1985

William F. Lockey, Supervisor
Texas Department of Water Resources
206 W. 5th St.
Odessa, Texas 79761

SUBJECT: Midland Consolidated Office
FDIC-#3 Industrial Loop, East Midland, Texas
Chromiun Contamination

Dear Mr. Lockey,

For your information, at The Texas Department of Water Resources, I wish to give you a copy of the latest water testing report done at #3 Industrial Loop East by Martin Water Labs in Midland. As is apparent, the contamination has increased greatly during the last six months.

Thank you for your assistance during the last few weeks. Please let us know of any progress.

Very truly yours,

Paul D. Evans

Paul D. Evans
Liquidation Assitant

PDE/lkw

APR 18 1985

P.O. BOX 1468
MIDLAND, TEXAS 79702
683-3234 OR 563-1040

# Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

## RESULT OF WATER ANALYSES

LABORATORY NO. 485145
SAMPLE RECEIVED 4-10-85
RESULTS REPORTED 4-12-85

TO: Mr. Paul Evans
P.O. Box 3148, Midland, Texas

COMPANY VDIC LEASE
FIELD OR POOL
SECTION BLOCK SURVEY COUNTY STATE
SOURCE OF SAMPLE AND DATE TAKEN
NO. 1 Raw water - taken from water well @ #3 Industrial Loop, East. 4-10-85
NO. 2 Maximum contents for drinking water as recommended by the Texas Dept. of Health.
NO. 3
NO. 4
REMARKS:

### CHEMICAL AND PHYSICAL PROPERTIES

| | NO. 1 | NO. 2 | NO. 3 | NO. 4 |
|---|---|---|---|---|
| Specific Gravity at 60° F. | | | | |
| Grains per Gallon | | | | |
| Parts per Million | | | | |
| Bicarbonate as $HCO_3$ | | | | |
| Supersaturation as $CaCO_3$ | | | | |
| Undersaturation as $CaCO_3$ | | | | |
| Total Hardness as $CaCO_3$ | | | | |
| Calcium as Ca | | | | |
| Magnesium as Mg | | | | |
| Sodium and/or Potassium | | | | |
| Sulfate as $SO_4$ | | | | |
| Chloride as Cl | | | | |
| Iron as Fe | | | | |
| Barium as Ba | | | | |
| Fluoride as Fluorine | | | | |
| Color as Pt | | | | |
| Total Solids, Calculated | | | | |
| Temperature °F | | | | |
| Carbon Dioxide, Calculated | | | | |
| Dissolved Oxygen, Winkler | | | | |
| Hydrogen Sulfide | | | | |
| Resistivity, ohms/cm at 77° F | | | | |
| Suspended Oil | | | | |
| Filtrable Solids as mg/l | | | | |
| Volume Filtered, ml | | | | |
| Chromium, as Cr (hexavalent) | 2.52 | 0.05 | | |

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

Form No. 1

By, W. Reagan White, B.S.

# Texas Water Commission

INTEROFFICE MEMORANDUM

**TO** : Bill Brown, P.E., Field Operations Liaison, Hazardous and Solid Waste Division **DATE**: January 14, 1986

**THRU** :

**FROM** : Matt Tokheim, Engineering Technician III, District 10, Field Operations Division

**SUBJECT**: Chromium Contamination of the old B & W Building water well in Midland, Midland County

Introduction

This report covers the findings of an investigation of groundwater contamination of a water well located in the industrial complex on the southwest side of Midland at #3 Industrial Loop. The investigation was initiated by Joan Middleton of the TDWR District 10 office as a result of an anonymous compliant on October 30, 1984. The property with the contaminated well was the B & W Building and is currently owned by the FDIC.

Nature of Problem

According to the complainant, the well water was a light green color. The original sample taken on October 31, 1984 showed no chromium present. Small levels of zinc and strontium were found. A later sample taken on December 13, 1984 revealed a chromium level of 1.6 ppm (See Attachment). The owner of the building reported that the water was this color when the well was drilled in 1981. This building has been vacant for roughly two years. The building was formerly used as a metal fabrication, welding shop.

Details of the Investigation

Joan Middleton, District 10 field representative, conducted the initial field investigation on December 4, 1984. Water samples and water table depths were taken of available wells in the surrounding area. The investigation was re-assigned to the writer in July of 1985 after Ms. Middleton acquired employment with the EPA.

Water wells in the area are completed in the very southern portion of the Ogallala Aquifer. Published data on the Ogallala in this area suggest an east-southeast hydraulic gradient (See Attachment). This flow direction roughly corresponds to the topography of the area. The Southern Ogallala formation is composed of 60-70% coarse grained, grey to red sand, 20-30% varicolored clay and silt, and 10-20% gravel. The Ogallala is underlain unconformably by a heterogeneous surface of Cretaceous valleys and peaks. Areas of the Ogallala in Ector, Midland, and Glasscock Counties that are underlain by this Cretaceous Trinity Sands Aquifer and have a large saturated thickness, are generally considered to be hydraulically connected. The average saturated thickness of the Ogallala in the area of the contamination is 40-60 feet which is probably sufficient for the aquifers to be hydraulically connected. In the upper portion of the Ogallala in much of the Southern High Plains Aquifer there is what is known as a "Caprock". This aquiclude is

basically a layer of caliche, 10-20 feet thick with low primary porosity and permeability. In some areas of the aquifer this caliche bed is fractured and or dissolved offering a higher rate of travel for fluids due to secondary porosity and permeability. A nearby excavation reveals this calichie to be slightly fractured on top with a gradational hardening effect with greater depth. Post Ogallala deposits are eolian sand and silt about 5 feet thick. Water from the Ogallala in this area is a sulfate chloride type. Dissolved solids are 1000-2000 mg/l. Specific yield from the aquifer in this area is approximately 12%. Permeability of the sand and gravel beds of the Ogallala is on the order of $3.28 \times 10^{-4}$ ft/s. This is a theoretical value for unconsolidated, clean sand and may be subject to variation with actual local formation characteristics.

As shown in Figure 1, the contaminated well is on the edge of an industrial complex. Water depths and samples were taken from these water wells from an area to the west, around the north to the northeast. One well to the far southwest and another well to the east were sampled. All these wells were found to be clean. Figure 1 shows water table depths at the different wells as measured during the investigation. Figure 2 is a contour of water table elevations calculated using measured depths corrected for topography and indicates a slight hydraulic gradient to the west-northwest. This is directly opposite to the natural gradient but is possible due to drawdown of the water table caused by pumping of nearby wells.

A sample taken from the contaminated well at the B & W Building on December 13, 1984 showed chromium levels of 1.6 ppm. A private sample taken in April of 1985 was reported to have shown levels of 2.5 ppm. Wells No. 5, 10, 11 all show a trace of chromium but levels are all far below the EPA drinking water standard.

On June 13, 1985 the writer followed up on an anonymous tip that there had been a surface impoundment used for wastes in the Texas Plastics lot across the street to the west of the B & W building. No visible signs of such an impoundment were visible on the surface. A hand auger was used for subsurface sampling in several places. No discolored or oderiferous, soil was observed, and no other evidence could be found. A sample was taken just to the east of what appeared to be an active septic-type drain field emnating from Texas Plastics and analyzed for EP Toxic chromium. (See Sample No. 18). Analysis showed no EP Toxic chromium. A composite soil sample from the north calichie pit was also taken this day. Analysis showed no EP Toxic chromium (See Sample #17). On August 18, 1985 more samples were taken at the NW corner of the southern pit (Sample #16). The other was a blue powdery substance, several partially filled bags of which were found in the north pit (Sample #15). Both samples showed no EP Toxic chrome. A large portion of the southern pit is covered over with cement. It appeared that other refuse had been covered by this cement. Dowell Schlumberger has used this caliche pit for a dump site in the past. On January 22, 1985 Joan Middleton collected two of the many different bags. One labled Kolite, another calcium chloride. Because of the many different wastes disposed of in this pit much of which is covered over by cement, and because of the shallow water table depth of approximately 25 feet, the pit being greater than 15 feet deep and the possibility of a slight hydraulic gradient to the west - northwest, it is believed by the writer that the source of contamination is somewhere in the cement covered portion of this pit. Another possible source could be the Dowell Schlumberger facility located .4 miles to the north on Industrial Loop. However according to Dowell personnel, chromates have never been used at this facility. Also soil samples taken around an in ground tank at this location showed no chromium. Some water wells between

Dowell and the contaminated well did show traces of chrome. However, those levels were very small and some of the other wells located in between were clean. A Champion Chemical facility located to the northwest has used a small amount of chromium in the past. This facility has no in ground tanks or surface impoundments. A sample was taken from a small pool of stormwater on the Champion property and found to contain no EP Toxic chrome. The Champion facility will be considered as only a minor suspect. No other obvious possible sources were located during the investigation. However the area under consideration is a large industrial complex with many different businesses.

Due to the information gathered in this investigation, it is believed by the writer that the source of this contamination is probably the calcite pit to the southeast of the contaminated well. At the present time, all reasonable possible avenues and resources at the district level have been exhausted. Because it is an industrial area District 10 inspectors are frequently in the area. This report will be updated upon further developments or upon discovery of other pertinant information.

This is submitted for information only.

Signed: Matt Tokheim
Matt Tokheim

Approved: William F. Lockey
William F. Lockey,
District Manager

Figure 1

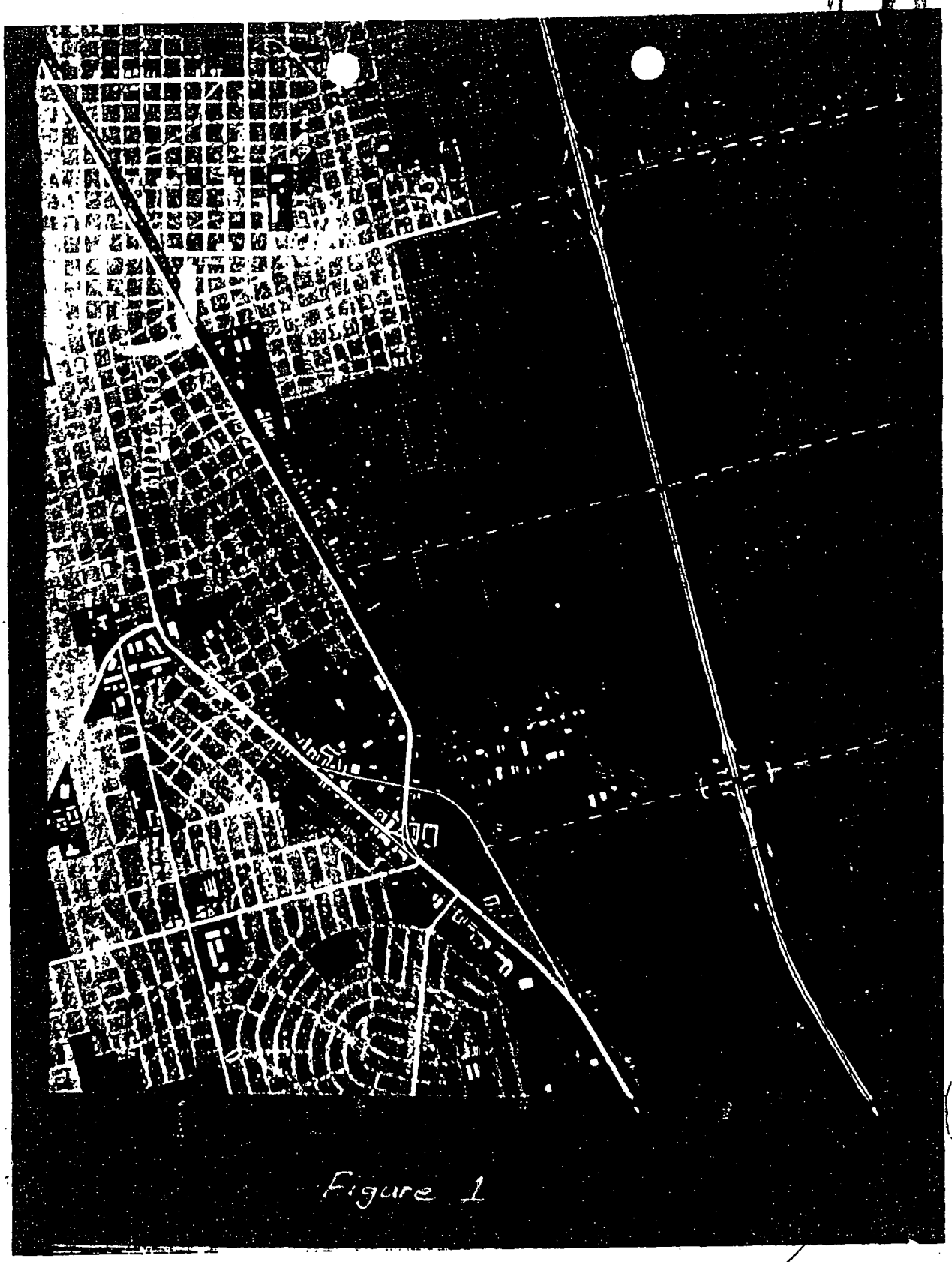


Figure 1

N
Midkiff Rd
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
#12
#13
#15
#17
Apparent Gradient
Caliche
Key
Chromium Contaminated Well
Slightly Contaminated Well
Soil Sample Taken
Well Sampled
Water Table Elevation Contour
Texas Department of Water Resources
District No. 10

Figure 2

TEXAS WATER QUALITY BOARD

No. HM 07398 District 10 County [illegible] Basin Colorado

Discharger Name B. W. Bldg. - FDIC Time Collected [illegible] 9:35 a.m.

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible] ≈15 minutes

Chlorine Contact Time

Date Shipped 12/13/84

Collector's Signature [illegible]

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo | Day | Yr | NAT CAMP |
|---|---|---|---|---|---|---|
| 1 – 9 | 10 – 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 12 | 13 | 84 | |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| 00056 | | 00011 | | 00400 | |
| TSS (mg/l) | | Turbidity (JTU) | | | |
| 00300 | | 00070 | | | |

TEXAS WATER QUALITY BOARD

Lab Used [illegible] Lab. No. EW5-800

No. HM07398 District 10

Material Sampled Raw, Partially Treated, [illegible]

Type Sample Heavy Metals

Method of Preservation [illegible]

Grab [illegible] Composite [illegible] Hr

Type Facility [illegible]

Observations [illegible] 12-14-84

Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Arsenic (ug/l) | | Barium (ug/l) | | [redacted] | |
| 01002 | 15 | 01007 | <200 | 01032 | |
| Cadmium (ug/l) | | Chromium (ug/l) | | Copper (ug/l) | |
| 01027 | <10 | 01034 | 200 | 01042 | <200 |
| Lead (ug/l) | | Manganese (ug/l) | | Mercury (ug/l) | |
| 01051 | <50 | 01055 | <50 | 71900 | <0.13 |
| Nickel (ug/l) | | Selenium (ug/l) | | Silver (ug/l) | |
| 01067 | <200 | 01147 | <5 | 01077 | <10 |
| Zinc (ug/l) | | | | | |
| 01092 | 300 | | | | |

No. GW ——

TEXAS DEPARTMENT OF WATER RESOURCES
P.O. Box 13087, Capitol Station
Austin, Texas 78711

Work No. 9072
Org. No. 540
Sample No.

Owner B&W Bldg - Mr. Ikdal Barton Address #3 Industrial Loop Zip

County Midland Well No. —

Location SE corner of Industrial Loop - Midland

Date Drilled ≈ 1981 Depth Aquifer Ogallala

Water Level Sampled After Pumping ≈ 15 Mins. (Hrs.) Yield GPM Temperature °F

Point of Collection spigot on outside of building Appearance Clear Turbid light green Color

Use Bldg has been vacant for Remarks (Over)

Date Collected 10/31/84 Time ≈ 3:40 pm By Joan Mitchell

Send copy of completed analysis to Dist 10 - J Midland TDWR Office No. 10

TDWR-0778

---

No. GW 2164

TEXAS DEPARTMENT OF WATER RESOURCES
P.O. Box 13087, Capitol Station

Work No. 9072
Org. No. 540
Sample No.

Point of Collection spigot on outside of building

Lab Used TDH Lab No. [redacted] Method of Preservation ice

Type of Facility water stop pumping station Date Completed 11-16-84 Analyst's Signature [illegible]

| | Mg/l | EPM | | Mg/l | EPM | | Other Ions | Mg/l |
|---|---|---|---|---|---|---|---|---|
| Silica | 51 | | Carbonate | 0 | | ☐ | | |
| Calcium | 166 | 8.32 | Bicarbonate | 287 | 4.7 | ☐ | | |
| Magnesium | 64 | 5.24 | Sulfate | 430 | 8.96 | ☐ | | |
| Sodium | 231 | 14.29 | Chloride | 487 | 13.73 | ☐ | | |
| | Total | | | | | ☐ | | |
| ☐ Potassium | 10 | 0.26 | Nitrate | 12.01 | 0.19 | ☐ | | |
| ~~☐ Boron~~ | | total 28.21 | pH 7.5 | | Total 27.58 | ☐ | | |
| ~~Iron~~ | | | Dissolved Solids (sum) | 1694 | | | | |

Remarks

Total Alkalinity as $CaCO_3$ 235 (4.7)
Total Hardness as $CaCO_3$ 678 (13.56)
Specific Conductance (Micromhos/CM³) 2040

"☐" Items will be analyzed if checked, total iron requires separate sample.

## TEXAS WATER QUALITY BOARD

No HM 07397 District [illegible] County [illegible] Basin [illegible]

Discharger Name [illegible] Time Collected [illegible]

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible]

Chlorine Contact Time [illegible]

Date Shipped [illegible]

Collector's Signature [illegible]

| PERMIT NUMBER | PAGE NO | CARD CODE | DATE Mo | Day | Yr | MAT SAMP |
|---|---|---|---|---|---|---|
| [illegible] | | | | | | |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| 00056 | | 00011 | | 00400 | |
| D.O. (mg/l) | | Turbidity (JTU) | | | |
| 00300 | | 00070 | | | |

## TEXAS WATER QUALITY BOARD

Lab Used [illegible] Lab No. EW5-535

No HM07397 District [illegible] Material Sampled Raw/Partially T[illegible]

Type Sample Heavy Metals Method of Preservation [illegible]

Grab ✓ Composite [illegible] Hr Type Facility [illegible]

Observations [illegible] Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Arsenic (ug/l) | | Barium (ug/l) | | [redacted] | |
| 01002 | <10 | 01007 | [illegible] | 01022 | [illegible] |
| Cadmium (ug/l) | | Chromium (ug/l) | | Copper (ug/l) | |
| 01027 | <10 | 01034 | [illegible] | 01042 | [illegible] |
| Lead (ug/l) | | Manganese (ug/l) | | Mercury (ug/l) | |
| 01051 | <50 | 01055 | [illegible] | 71900 | <0.8 |
| Nickel (ug/l) | | Selenium (ug/l) | | Silver (ug/l) | |
| 01067 | [illegible] | 01145 | [illegible] | 01077 | <10 |
| Zinc (ug/l) | | [illegible] | | | |

TER VALUE 62

EW5-3747

TER VALUE 62

TEXAS DEPARTMENT OF HEALTH
GC/MS ANALYSIS REPORT
EPA PRIORITY POLLUTANTS

CARL HOGBERG

SAMPLE TYPE: GW WATER

SAMPLE CONDITION:

ACID EXTRACTABLES

| NAME | MRL | NAME | MRL | NAME | MRL |
|---|---|---|---|---|---|
| PHENOL | <2.0 | 4-CHLORO-3-CRESOL | <2.0 | 4-NITROPHENOL | |
| 2-CHLOROPHENOL | | 2,4,6-TRICHLOROPHENOL | | 2,4-DINITROPHENOL | |
| 2-NITROPHENOL | | 2,4-DIMETHYLPHENOL | | PENTACHLOROPHENOL | |
| 2,4-DICHLOROPHENOL | | 2,4-DINITROPHENOL | | | |

BASE NEUTRAL EXTRACTABLES

| NAME | MRL | NAME | MRL | NAME | MRL |
|---|---|---|---|---|---|
| 4-NITROCHLOROBENZENE | <2.0 | ACENAPHTHYLENE | <2.0 | FLUORANTHENE | |
| BIS-(2-CHLOROETHYL) ETHER | | DIMETHYL PHTHALATE | | PYRENE | |
| 1,3-DICHLOROBENZENE | | 2,6-DINITROTOLUENE | | BENZIDINE | |
| 1,4-DICHLOROBENZENE | | ACENAPHTHENE | | BUTYLBENZYL PHTHALATE | |
| 1,2-DICHLOROBENZENE | | 2,4-DINITROTOLUENE | | BIS(2-ETHYLHEXYL)ADIPATE | |
| BIS-(2-CHLOROISOPROPYL)ETHER | | FLUORENE | | CHRYSENE | |
| HEXACHLOROETHANE | | 4-CHLOROPHENYL PHENYL ETHER | | 3,3'-DICHLOROBENZIDINE | |
| 4-NITROBENZENE | | DIETHYL PHTHALATE | | BIS-(2-ETHYLHEXYL)PHTHALATE | |
| ISOPHORONE | | DIPHENYLAMINE | | DI-n-OCTYL PHTHALATE | |
| BIS-(2-CHLOROETHOXY)METHANE | | 1,2-DIPHENYLHYDRAZINE | | BENZO(b)FLUORANTHENE | |
| 1,2,4-TRICHLOROBENZENE | | 4-BROMOPHENYL PHENYL ETHER | | BENZO(k)FLUORANTHENE | |
| NAPHTHALENE | | HEXACHLOROBENZENE | | BENZO(a)PYRENE | |
| HEXACHLOROBUTADIENE | | PHENANTHRENE | | INDENO(1,2,3-cd)PYRENE | |
| HEXACHLOROCYCLOPENTADIENE | | ANTHRACENE | | DIBENZO(a,h)ANTHRACENE | |
| 2-CHLORONAPHTHALENE | | DI-n-BUTYL PHTHALATE | | BENZO(ghi)PERYLENE | |

PESTICIDES

| NAME | MRL | NAME | MRL | NAME | MRL |
|---|---|---|---|---|---|
| alpha-BHC | <2.0 | ALDRIN | <2.0 | beta-ENDOSULFAN | <2.0 |
| gamma-BHC | | 4,4'-DDE | | ENDOSULFAN SULFATE | |
| beta-BHC | | DIELDRIN | | ENDRIN | |
| delta-BHC | | 4,4'-DDD | | alpha-BHC | |
| HEPTACHLOR | | 4,4'-DDT | | HEPTACHLOR EPOXIDE | |
| ENDRIN ALDEHYDE | | | | | |

VOLATILE ORGANICS

| NAME | MRL | NAME | MRL | NAME | MRL |
|---|---|---|---|---|---|
| CHLOROMETHANE | <1 | 1,2-DICHLOROETHANE | <1 | 1,1,2-TRICHLOROETHANE | |
| BROMOMETHANE | | CARBON TETRACHLORIDE | | 2-CHLOROETHYL VINYL ETHER | |
| VINYL CHLORIDE | | BROMODICHLOROMETHANE | | TRICHLOROETHYLENE | |
| CHLOROETHANE | | BENZENE | | BROMOFORM | |
| TRICHLOROFLUOROMETHANE | DETECTED BELOW | ACROLEIN | | TOLUENE | |
| CHLOROFORM | <1 | 1,1,1-TRICHLOROETHANE | | [illegible] | |
| METHYLENE CHLORIDE | | 1,2-DICHLOROPROPANE | | [illegible] | |
| 1,1-DICHLOROETHYLENE | | trans-1,3-DICHLOROPROPYLENE | | TETRACHLOROETHYLENE | |
| 1,1-DICHLOROETHANE | | [illegible] | | [illegible] | |

#1

No. HM 08582 District 12 County Midland Basin Colorado

Discharger Name [illegible] Time Collected 10:00 am

Plant Name Point of Collection Int Tower after 1 Stow

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | DATE Mo. | Day | Yr. | MAT STAB |
|---|---|---|---|---|---|
| 1 9 | 10 12 | 14 15 | 16 17 | 18 19 | 20 |
| | | 09 | 15 | 85 | |

Chlorine Contact Time

Date Shipped 8-20-85

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08582 District 12 Lab Used TDH Lab. No

Type Sample: Heavy Metals

Material Sampled: Raw, Partially Treated, Fir

Method of Preservation

Grab ✓ Composite Hr

Type Facility

Observations int tower

Sampled

Auxiliary Tags

Date Completed

Analyst's Signature

EW5-3747

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | [illegible] | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |

No. HM 08583 District 10 County Midland Basin Colorado

Discharger Name Midland Coop Time Collected 10:50am

Plant Name Point of Collection spigot in shop

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo. | DATE Day | DATE Yr. | MAIL STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 09 | 13 | 95 | |

Chlorine Contact Time

Date Shipped 9-20-95

Collector's Signature Matt Tabian

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |
| | | | | | |
| | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08583 District 10 Lab Used TLL Lab. No.

Type Sample: Heavy Metals Material Sampled: Raw, Partially Treated, Fi

Grab ✓ Composite Hr. Method of Preservation Ice, pH<2

Observations Sample Type Auxiliary Tags

Date Completed

Analyst's Signature

EW5-3759

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | µg/l | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| | | | | | |
| | | | | | |

NOV 6 1995

#3

No. HM 08584 District 10 County Midland Basin Colorado

Discharger Name Lee Ross

Time Collected 11:30 am

Plant Name [illegible]

Point of Collection Spot [illegible] Wellhead

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | SEQ. OF | DATE Mo. | DATE Day | DATE Yr. | MAN STAT |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 05 | 13 | 85 | |

Chlorine Contact Time

Date Shipped 5-30-85

Collector's Signature Matt Tobleim

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | (°F) | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08584 District 10

Lab Used TCH Lab. N.

Material Sampled: Raw, Partially Treated, F. EW5- 3749

Type Sample: Heavy Metals

Method of Preservation Ice

Grab ✓ Composite Hr.

Type Facility Injection well

Observations Sample #3

Auxiliary Tags None

Date Completed [illegible]

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |
| | | Chromium | µg/l | | |
| | | | < 20 | | |
| | | | | | JUN 6 1985 |

No. HM 08585 District 10 County Midland Basin Colorado

Discharger Name Small Business Complex Time Collected 11:35am

Plant Name Point of Collection Indoor faucet

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | CARD CODE | DATE Mo. | DATE Day | DATE Yr. | MAT STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 13 | 95 | |

Chlorine Contact Time

Date Shipped 8-30-95

Collector's Signature Mill Tabbum

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |
| [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08585 District 10

Type Sample: Heavy Metals

Grab ✓ Composite Hr.

Observations Sample #4

Lab Used TLH Lab. No

Material Sampled: Raw, Partially Treated, Fi

Method of Preservation Free HNO3

Type Facility Industrial

Auxiliary Tags None

Date Completed

Analyst's Signature

EW5-3746

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | µg/L | [redacted] | |
| [redacted] | | | <20 | | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |

NOV 6 1995

#5

No. HM 08586 District 10 County Midland Basin Colorado

Discharger Name Mr Selby Time Collected 1:30 pm

Plant Name #C1 E Industrial Loop Point of Collection outside spigot

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | DATE Mo. | Day | Yr. |
|---|---|---|---|---|
| 1 9 | 10 12 | 14 15 | 16 17 | 18 19 |
| | | 09 | 13 | 85 |

Chlorine Contact Time

Date Shipped 9-20-85

Collector's Signature Matt Fabian

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08586 District 10 Lab Used TLH Lab. I

Type Sample: Heavy Metals

Grab ✓ Composite Hr.

Observations Sample #5

Material Sampled: Raw, Partially Treated, EW5-3750

Method of Preservation Ice

Type Facility Quatelbaum

Auxiliary Tags None

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |
| | | Chromium | µg/L | | |
| | | | | | |
| | | | | | |
| | | | | | |

No. HM District County Basin

Discharger Name Time Collected

Plant Name Point of Collection

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo. | Dby | Yr. | MAT STAMP |
|---|---|---|---|---|---|---|
| 1 8 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |

Chlorine Contact Time

Date Shipped

Collector's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No HM District

Type Sample Heavy Metals

Grab Composite Hr

Observations

Lab Used Lab No

Material Sampled Raw, Partially Treated Fin

Method of Preservation

Type Facility

Auxiliary Tag

Date Completed

Analyst's Signature

EW5-3745

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| | | | | | |

Chromium

NOV 6 1995

No. HM 08588 District [illegible] County Midland Basin Colorado

Discharger Name [illegible] Time Collected 2:55 pm

Plant Name 1809 S. Midkiff Point of Collection [illegible]

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | Sampling Type | DATE Mo. | Day | Yr. | Mail Stamp |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 16 | 16 17 | 18 19 | 20 |
| | | | 06 | 15 | 85 | |

Chlorine Contact Time

Date Shipped 5-20-85

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] | | [illegible] | | [illegible] | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08588 District [illegible] Lab Used TDH Lab. N

Type Sample: Heavy Metals

Grab ✓ Composite ____ Hr.

Observations Sample #7

Material Sampled: Raw, Partially Treated, F

Method of Preservation [illegible]

Type Facility Plume Well

Auxiliary Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

EW5-3744

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] | | [illegible] | | [illegible] | |
| [illegible] | | Chromium | <0.10 | [illegible] | |
| [illegible] | | [illegible] | | [illegible] | |
| [illegible] | | [illegible] | | [illegible] | |

NOV 6 1985

No. HM 08600 District 10 County Dallas Basin Trinity

Discharger Name B&M Oil Tool Keith Moore Time Collected 3:21 pm

Plant Name #40 Industrial Loop Point of Collection spigot after 5 min

Method of Flow Measurement

Chlorine Contact Time

Date Shipped 8-30-85

Collector's Signature Matt Tillman

| PERMIT NUMBER | PAGE NO. | SEQ. | DATE Mo. | DATE Day | DATE Yr. | SMPL STATUS |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 30 | 85 | |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |
| [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08600 District 10 Lab Used TCH Lab. No.

Type Sample: Heavy Metals Material Sampled: Raw, Partially Treated, Fin EWS-3748

Grab ✓ Composite Hr. Method of Preservation Ice, HA

Observations Sample #5 Type Facility Well

Auxiliary Tags None

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | Chromium | mg/L | [redacted] | |
| [redacted] | | [redacted] | 0.20 | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |

No. HM 08506 District 10 County [redacted] Basin Colorado

Discharger Name Marion Vogel Time Collected 3:30 pm

Plant Name Rt 13 Box 315 78223 Point of Collection Spigot by pump

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo. | DATE Day | DATE Yr. | MAT STAT |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 16 | 16 17 | 18 19 | 20 |
| | | | 08 | 27 | 85 | |

Chlorine Contact Time

Date Shipped 8-27-85

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | Water Temperature (°F) | | [redacted] | |
| [redacted] | | [redacted] | | | |
| [redacted] | | [redacted] | | | |
| O [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08506 District 10 Lab Used TDH Lab [redacted]

Type Sample: Heavy Metals Material Sampled: Raw, Partially Treated EWS-3790

Grab ✓ Composite ____ Hr. Method of Preservation [illegible]

Observations Type Facility Private Well

Auxiliary Tags [illegible]

Date Completed AUG 28 1985

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium µg/L | <20 | [redacted] | |
| Lead µg/L | <50 | [redacted] | | [redacted] | -9 |
| [redacted] | | Selenium | | [redacted] | |
| [redacted] | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM District County Basin

Discharger Name Time Collected

Plant Name Point of Collection

Method of Flow Measurement

| [redacted] | PAGE NO. | CARD TYPE | DATE Mo. | Day | Yr. | FILE STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 0 | 1 | | |

Chlorine Contact Time

Date Shipped

Collector's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] °F) | | [redacted] | |
| 00056 | | 00011 | | 00400 | |
| [redacted]) | | [redacted] JTU) | | | |
| 00300 | | 00070 | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM District

Type Sample: Heavy Metals

Grab Composite Hr

Observations

Lab Used Lab #

Material Sampled: Raw, Partially Treated,

Method of Preservation

Type Facility

Auxiliary Tags

Date Completed

Analyst's Signature

EW5- 1024

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| Nickel | | [redacted] | | [redacted] | |
| Zinc | | | | | |

FEB 2 1 1985

No. HM

District

County

Basin

Discharger Name

Time Collected

Plant Name

Point of Collection

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO | DATE Mo | Day | Yr |
|---|---|---|---|---|
| 1 8 | 10 12 | 13 14 | 15 16 | 17 18 |

Volume Control Form

Date Shipped

Collector's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE |
|---|---|---|---|---|---|
| | | | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM

EXH. 1025

FEB 25 19

No. HM District County Basin

Discharger Name Time Collected

Plant Name Point of Collection

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | DATE Mo. | DATE Day | DATE Yr. |
|---|---|---|---|---|
| 1 9 | 10 12 | 14 15 | 16 17 | 18 19 |

Chlorine Contact Time

Date Shipped

Collector's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| 0 0 0 5 6 | | 0 0 0 1 1 | | 0 0 4 0 0 | |
| D.O. (mg/l) | | Turbidity (JTU) | | | |
| 0 0 3 0 0 | | 0 0 0 7 0 | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No HM District Lab Used Lab No. EWS- 1023

Type Sample Heavy Metals

Grab Composite Hr

Observations

Material Sampled Raw, Partially Treated, F

Method of Preservation

Type Facility

Auxiliary Tags

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | [redacted] | | |
| Lead | | [redacted] | [redacted] | | |
| Nickel | | [redacted] | [redacted] | | |
| Zinc | | | | | |

FEB 25 1985

**TEXAS WATER QUALITY BOARD**

No. HM 07400 District [illegible] County [illegible] Basin [illegible]

Discharger Name [illegible] Time Collected [illegible]

Plant Name [illegible] Point of Collection [illegible]

~~Method of Flow Measurement~~ [illegible]

Chlorine Contact Time [illegible]

Date Shipped 12/13/84

Collector's Signature [illegible]

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo | Day | Yr | CARD |
|---|---|---|---|---|---|---|
| 1 – 9 | 10 – 12 | 13 | 14 | 15 | 16 – 17 | 18 – 19 – 20 |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | | Water Temperature (°F) | | pH | |
| 0 0 0 5 6 | | 0 0 0 1 1 | | 0 0 4 0 0 | |
| D.O. (mg/l) | | Turbidity (JTU) | | | |
| 0 0 3 0 0 | | 0 0 0 7 0 | | | |

**TEXAS WATER QUALITY BOARD**

No. HM 07400 District [illegible] Lab Used [illegible] Lab No. EW5-802

Type Sample: Heavy Metals

Material Sampled: Raw, Partially Treated, [illegible]

Method of Preservation [illegible]

Grab [illegible] Composite [illegible] Hr

Type Facility [illegible]

Observations [illegible]

Auxiliary Tags [illegible]

Date Completed 12-14-84

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] (ug/l) | | [illegible] (ug/l) | | [illegible] (ug/l) | |
| 0 1 0 0 2 | | 0 1 0 0 7 | | 0 1 0 2 7 | |
| [illegible] (ug/l) | | Chromium (ug/l) | | [illegible] | |
| 0 1 0 2 7 | | 0 1 1 0 3 4 | | 0 1 0 4 2 | |
| [illegible] (ug/l) | | [illegible] (ug/l) | | [illegible] (ug/l) | |
| 0 1 0 5 1 | | 0 1 0 5 5 | | 7 1 9 0 0 | |
| [illegible] (ug/l) | | [illegible] (ug/l) | | [illegible] | |
| 0 1 0 6 7 | | 0 1 0 8 7 | | 0 1 0 [illegible] | |
| Zinc (ug/l) | | | | | |

JAN 17 1985

**TEXAS WATER QUALITY BOARD**

No. HM 07399 District 10 County [illegible] Basin [illegible]

Discharger Name [illegible] Time Collected [illegible]

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible] Chlorine Contact Time [illegible]

Date Shipped [illegible]

Collector's Signature [illegible]

| PERMIT NUMBER | PAGE NO | CARD TYPE | DATE Mo | Day | Yr | MAT SAMP |
|---|---|---|---|---|---|---|
| | | | | | | |

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Flow (gpd) | 0 0 0 5 6 | Water Temperature (°F) | 0 0 0 1 1 | pH | 0 0 4 0 0 |
| D.O. (mg/l) | 0 0 3 0 0 | Turbidity (JTU) | 0 0 0 7 0 | | |

**TEXAS WATER QUALITY BOARD**

No HM07399 District [illegible] Lab Used [illegible] Lab No EW5-801

Type Sample Heavy Metals Material Sampled Raw, Partially Treated [illegible]

Grab [illegible] Composite [illegible] Method of Preservation [illegible]

Type Facility [illegible]

Observations [illegible] Analysis Tags [illegible]

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [illegible] (ug/l) | 0 1 0 0 2 | [illegible] (ug/l) | 0 1 0 0 7 | [illegible] (ug/l) | 0 1 0 3 2 |
| [illegible] (ug/l) | 0 1 0 2 7 | Chromium (ug/l) | 0 1 0 3 4 | [illegible] (ug/l) | 0 1 0 4 2 |
| [illegible] (ug/l) | 0 1 0 5 1 | [illegible] (ug/l) | 0 1 0 5 5 | [illegible] (ug/l) | 0 1 9 0 0 |
| [illegible] (ug/l) | 0 1 0 6 7 | [illegible] (ug/l) | 0 1 1 4 7 | [illegible] (ug/l) | 0 1 0 2 [illegible] |

TEXAS WATER COMMISSION

#15

No. HM 08637 District 10 County Ector Basin Colorado

Discharger Name Disposal Pit near Ind Loop, Midland Time Collected 3:00 pm

Plant Name _____ Point of Collection _____

Method of Flow Measurement _____

| [redacted] ER | [redacted] | CARD TYPE | DATE Mo. | Day | Yr. | MAT STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 14 | 85 | |

Chlorine Contact Time _____

Date Shipped 9-16-85

Collector's Signature Matt Tobkein

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | (°F) | [redacted] | |
| [redacted] | | [redacted] | | | |

TEXAS WATER COMMISSION

No. HM 08637 District 10

Lab Used TDH Lab. No _____

Material Sampled: Raw, Partially Treated, Final, Stream

Type Sample: Heavy Metals

Method of Preservation None

Grab ✓ Composite _____

Type Facility Waste Pit

Observations Run Leachate

Auxiliary Tags none

Date Completed _____

Total of tox leachate

Analyst's Signature _____

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | | Chromium Leachate | [redacted] | 12 - 9 |
| [redacted] (EP Tox) | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | | | | |

#16

No. HM 08505 District 16 County [illegible] Basin [illegible]

Discharger Name [illegible] Fill Time Collected 3:45 pm

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | CARD CODE | DATE Mo. | DATE Day | DATE Yr. | FILE STATUS |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 05 | 14 | 85 | |

Chlorine Contact Time

Date Shipped 8-20-85

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | (°F) | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |
| [redacted] | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

No. HM 08505 District 16 Lab Used [illegible] Lab. No. [illegible]

Type Sample: Heavy Metals Material Sampled: Raw, Partially Treated, Fin[illegible] EW5-3789

Grab Composite Hr. Method of Preservation [illegible]

Observations [illegible] Type Facility [illegible]

[illegible] Auxiliary Tags [illegible]

[illegible] Date Completed [illegible]

[illegible] Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium µg/L | <50 | [redacted] | |
| Lead µg/L | <50 | [redacted] | | [redacted] | -9 |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | | | | |

No. HM 08504 District [illegible] County [illegible] Basin [illegible]

Discharger Name [illegible] Time Collected [illegible]

Plant Name [illegible] Point of Collection [illegible]

Method of Flow Measurement [illegible] Composite

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo. | Day | Yr. | MAT STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 08 | 12 | 85 | |

Chlorine Contact Time

Date Shipped 9-20-85

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | Water Temperature (°F) | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |
| | | [redacted] | | | |

TEXAS DEPARTMENT OF WATER RESOURCES

Lab Used TDH Lab. No EW5-3788

No. HM 08504 District [illegible]

Material Sampled (Raw) Partially Treated, Fi

Type Sample: Heavy Metals

Method of Preservation [illegible]

Grab ____ Composite [illegible] Hr.

Type Facility

Observations [illegible]

Auxiliary Tags

Date Completed [illegible]

Analyst's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium µg/L | < 50 | [redacted] | |
| Lead µg/L | < 50 | [redacted] | | [redacted] | -9 |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | | | | |

T TEXAS WATER COMMISSION *OWP 0287

#15

No. HM District 10 County Ector Basin Colorado

Discharger Name Texas Plastics East Loop Midland Time Collected 3:15 pm

Plant Name Point of Collection city drain

Method of Flow Measurement

| PERMIT NUMBER | PAGE NO. | CARD CODE | DATE Mo. | Day | Yr. | MAIL CODE |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 16 | 18 17 | 18 19 | 20 |
| | | | 06 | 13 | 85 | |

Chlorine Contact Time

Date Shipped 9-16-85

Collector's Signature Matt Tolheim

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | [redacted] | | |
| [redacted] | | [redacted] | | | |

T TEXAS WATER COMMISSION

No. HM District 10

Type Sample Heavy Metals

Grab Composite

Observations

Lab Used TCA Lab No. EW6 0085

Material Sampled Raw, Partially Treated, F

Method of Preservation

Type Facility Drain Pond

Auxiliary Tags None

Date Composited

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | | |
| [redacted] | | Chromium | Leachable | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | | | | |

OCT 17 1985

No. HM [illegible] District 53 County [illegible] Basin [illegible]

Discharger Name [illegible]

Time Collected [illegible]

Plant Name [illegible]

Point of Collection [illegible]

Method of Flow Measurement [illegible]

| PERMIT NUMBER | PAGE NO. | CARD TYPE | DATE Mo. | Day | Yr. | MAT STAMP |
|---|---|---|---|---|---|---|
| 1 9 | 10 12 | 13 | 14 15 | 16 17 | 18 19 | 20 |
| | | | 0 3 | 1 7 | 8 6 | |

Chlorine Contact Time

Date Shipped 3-18-86

Collector's Signature [illegible]

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| [redacted] | | [redacted] | | [redacted] | |
| [redacted] | | [redacted] | | | |

RECEIVED APR 30 86 FIELD OPERATIONS DISTRICT 10

TEXAS WATER COMMISSION

No. HM 08536 District 53 Lab Used TDH Lab. No. [redacted]

Type Sample: Heavy Metals MAR 19 '86 Material Sampled: Raw, Partially Treated, Fin[redacted]

Grab Composite Hr. Method of Preservation Ice

Observations Soil Compost Type Facility Soil

Auxiliary Tags None

Date Completed

Analyst's Signature

| 21 CODE | 26 PARAMETER VALUE | 35 CODE | 40 PARAMETER VALUE | 49 CODE | 54 PARAMETER VALUE 62 |
|---|---|---|---|---|---|
| Arsenic | | Barium | | | |
| | <0.0 | | <4.0 | | |
| Cadmium | | Chromium | Extra [illegible] | Copper | |
| [illegible] | <0.0 <0.0 | | 5.0 | | <0.0 |
| Lead | | Manganese | | Mercury | |
| [illegible] | <0.0 <0.0 | | 4.0 | | <0.0 |
| Nickel | | Selenium | | Silver | |
| | <0.0 | | <0.0 | | <0.0 <0.0 |
| Zinc | | Values are mg/L | | | |
| | 7.0 | | | | |

RECEIVED
NOV 30 '84
ENVIRONMENT AND FIELD OPERATIONS

# TEXAS DEPARTMENT OF WATER RESOURCES

## INVESTIGATION REPORT

DISTRICT 10

Date Investigation Requested October 30, 1984 Source Mr. Jed Barker-Texas Department of Health

Request for Assistance _____ or Complaint X

Name Anonymous Dist. Ref. #84-11C41

Address Unknown

City State, Zip Unknown

Telephone Unknown

TYPE

Pollution, Surface Water X
Pollution, Ground Water
Solid Waste
Water Rights
Others

Location B & W Building, #3 Industrial Loop Midland, Midland County

Alleged Problem The ground water at the B & W Building location is discolored light green.

Summary of Investigation B & W Building has been vacant for roughly a year (B & W was formerly a metal fabrication, welding shop). The investigation on November 1, 1984 of the B & W Building revealed that the well water was discolored a light green. The owner stated the ground water was this color when the water well was drilled in approximately 1981. The well was pumped for approximately 15 minutes before samples were collected. The samples have been shipped to the Texas Department of Health laboratory in Austin.

X Interim Status of Corrective Action if problem is not yet resolved

Final Resolution of Problem: A preliminary analysis for any chromium content was run by the City of Odessa laboratory on November 1, 1984 - 1.3 mg/l of chromium was present. The Texas Department of Health laboratory analyses are currently pending. Further sampling of area ground water wells will be conducted to determine the extent of chromium contamination, as well as, a possible source of contamination.

Date and method of notification of person making request for assistance or complaint: As this was an anonymous complaint, the complainant was not notified of the results of the investigation.

County Midland Segment No. 1412

River Basin Colorado Permit No N/A

Joan Middleton
Joan Middleton
Signature of Investigator

William F. Lockey
William F. Lockey, Supervisor

Date November 26, 1984

# OVERSIZE DOCUMENTS, MAPS, & PHOTOS

Record Series: SITE DISCOVERY
File #: 981-055-080

The below listed documents, from the above referenced file, that belong in this location in the file were not microfilmed because of their size and/or media format. See the Records staff for the location of the following oversize documents and/or photographs:

| DATE ON DOCUMENT | DESCRIPTION OF DOCUMENT |
|---|---|
| | Abandoned BLDG (B-10) |
| NA | SITE Inspection Report |
| NA | SITE LOCATION MAP 4 shts |