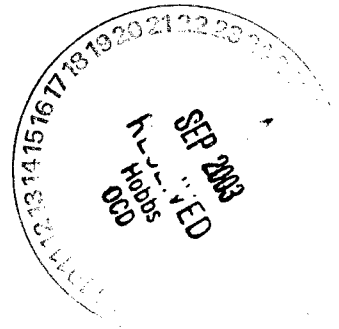


## WORK PLAN



**EIDSON STATE WATER STATION**  
**Lea County, New Mexico**  
**SW ¼ of the SW ¼ of Section 31, Township 16 South, Range 35 East**

Prepared for:

**Wasserhund Inc.**  
P. O. Box 827  
Tatum, New Mexico 88266

10.14.03.  
ETGI BEING TO  
MEET w/ LARRY GANDY  
TO GET PERMISSION TO  
START ASAP.

ETGI Project NoGA2100

Prepared by:

**Environmental Technology Group, Inc.**  
2540 West Marland Street  
Hobbs, NM 88240

**September 2003**

RPT# 1350  
application - PAC 0716326997

## 1.0 INTRODUCTION

On behalf of Wasserhund Inc., Environmental Technology Group, Inc. (ETGI) has prepared this Work Plan for the preliminary investigation of chloride impacted soil at the Eidson State Brine and Fresh Water Station site located in the SW ¼ of the SW ¼ of Section 31, Township 16 South, Range 35 East. For reference, a site location map and a site map are included as Figures 1 and 2, respectively. The purpose of this work plan is to outline the remedial activities associated with the delineation of the vertical and horizontal impact associated with a dike overflow and subsequent chloride impact on the site.

## 2.0 SCOPE OF WORK

Approximately 50 barrels of brine water was released on site due to a dike overflow. Of the 50 barrels released approximately 25 barrels were recovered. The overflow of the diked area resulted in a chloride impact of the surrounding area as indicated on Figure 2. ETGI was contacted by Mr. Larry Gandy of Gandy Corporation to conduct a Preliminary Site Investigation to delineate the vertical and horizontal surface and subsurface impact of the area. The visually impacted area has been excavated with a backhoe and the soil was stockpiled on-site. As indicated on Figure 2, the areas of possible impact parallel State Road 238 (West Side) to the south and north of the station and north of the bermed pit. ETGI will conduct a preliminary site investigation to delineate the vertical and horizontal surface and subsurface impact utilizing a backhoe. The backhoe will excavate several pilot holes in the area to an approximate depth of 2 to 3 feet bgs and soil samples will be collected from the bottom of each pilot hole and analyzed for chloride concentration. The locations of the pilot holes are indicated on Figure 2. The remedial actions will be dependent upon analytical results of the soil samples. The visually chloride impacted soil will be transported to a New Mexico Oil Conservation Division approved landfarm.

The water well database, maintained by the New Mexico State Engineer's Office, was accessed in order to determine the average depth to groundwater in the area. The data indicate the average depth to groundwater in the area is 73 feet bgs.

### Sample Collection

All of the soil samples will be submitted for chloride analysis using EPA Method SW 846-9253. Samples will be collected using stainless steel trowels, disposable gloves, and sterile glass containers equipped with a Teflon-lined lid furnished by the analytical laboratory. The container will be filled to capacity to limit the amount of headspace present. Each container will be labeled and placed on ice in an insulated cooler. The cooler will be sealed for shipment to the authorized laboratory. Proper chain-of-custody documentation will be maintained throughout the sampling process. Trained technicians will perform all sampling.

Jerry Brian  
Project Manager, ETGI  
Hobbs, New Mexico

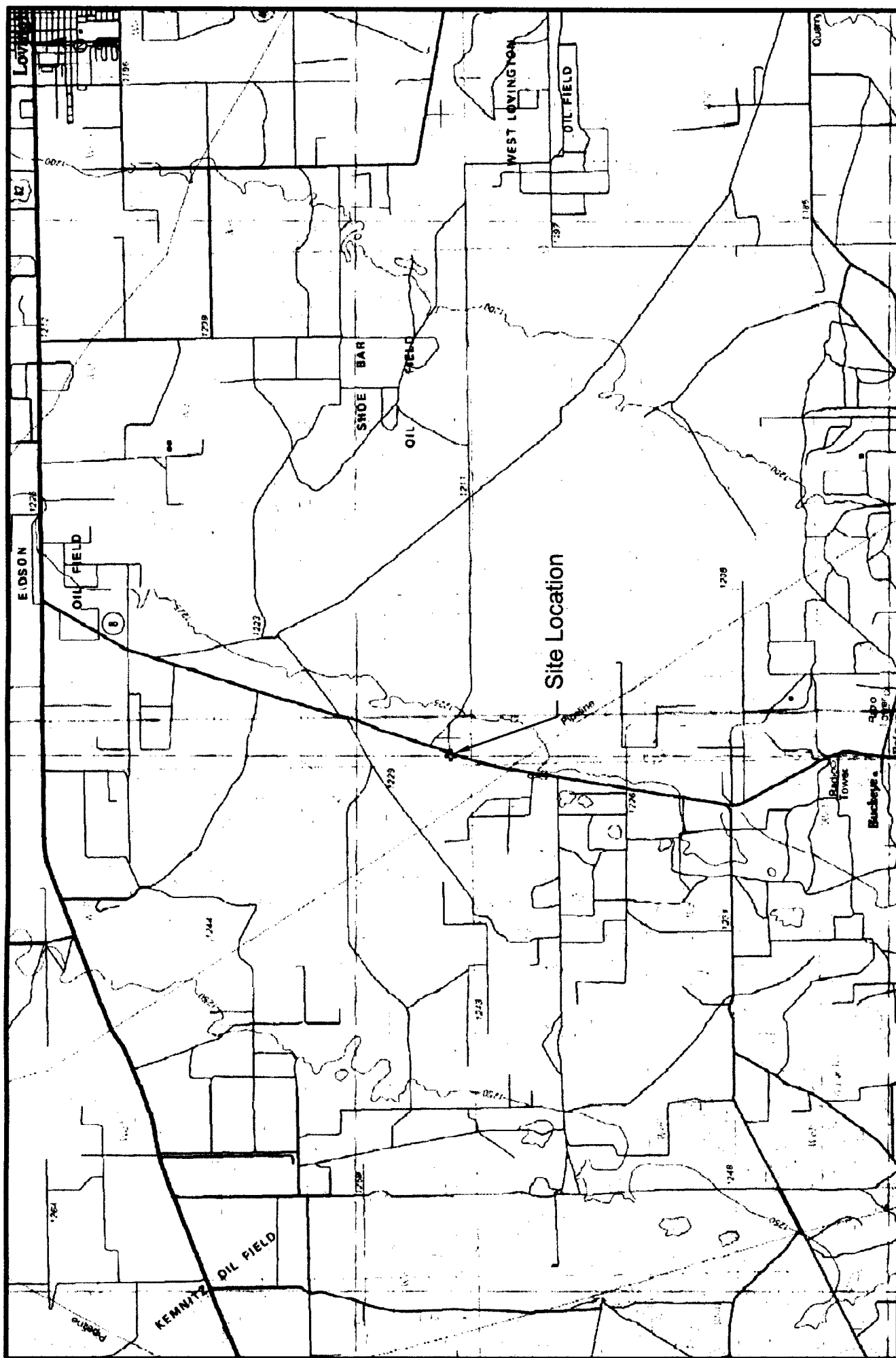


Figure 1

**Figure 1**  
**Site Location Map**

**Gandy Corp.**  
**Eldsoon Brine Station**  
**Location, State**

**Environmental Technology  
Group, Inc.**

Scale: 1" = 200'

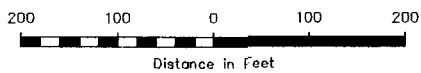
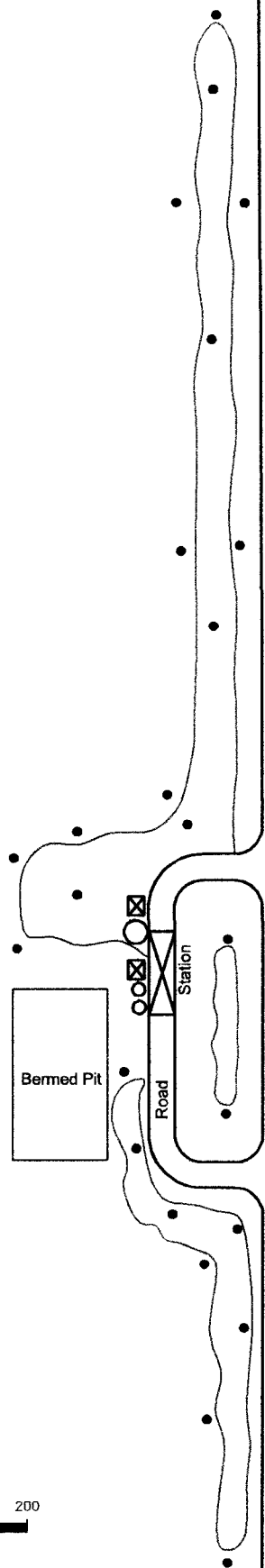
Pranav: JDU

4 Bv. C8

CI Declass # CA2100

CI Declass # CA2100

August 5, 2002



- Legend:
- Proposed Sample Location
  - Extent of Surface Stain
  - ⊠ Building
  - Tank

Figure 2  
Site Map  
Gandy Corp.  
Eidssoon Brine Station  
Location, State



Environmental Technology  
Group, Inc.

Scale: 1" = 200'	Prep By: JDJ	Checked By: CR
August 5, 2003	ETGI Project #: GA2100	
SW1/4 SW1/4 Sec 31, T16S, R35E		

*New Mexico Office of the State Engineer*  
**Well Reports and Downloads**

Township: 16S      Range: 35E      Sections: 31

NAD27 X:      Y:      Zone:      Search Radius:

County: LE      Basin:      Number:      Suffix:

Owner Name: (First)      (Last)      Non-Domestic      Domestic  
All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

**AVERAGE DEPTH OF WATER REPORT 07/21/2003**

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
L	16S	35E	31				2	70	75	73

Record Count: 2

*New Mexico Office of the State Engineer*  
Well Reports and Downloads

Township: 16S Range: 35E Sections: 31

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report Avg Depth to Water Report Water Column Report  
Clear Form WATERS Menu Help

WELL / SURFACE DATA REPORT 07/21/2003

DB File Nbr	Use	Diversion	Owner
L 10270	PRO	0	BTA OIL PRODUCERS
L 10482	PRO	0	MEDALLION PRODUCTION CO.

Well Number
L 10270
L 10482
L 10482 2

(acre ft per annum)

Source	Tws	Rng	Sec	q	q
Shallow	16S	35E	31	3	1 3
Shallow	16S	35E	31	4	3 3
	16S	35E	31	4	3

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are biggest to smallest)

Record Count: 3

AHO: Paul Shreeley

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised March 17, 1999

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

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company GANDY COPORATION	Contact LARRY GANDY
Address P.O. BOX 827, TATUM, NM 88267	Telephone No. (505) 398-4960
Facility Name EIDSON STATE	Facility Type BRINE AND FRESH WATER STATION

Surface Owner EIDSON RANCH	Mineral Owner	Lease No. 25-26883
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## LOCATION OF RELEASE

Unit Letter M	Section 31	Township 16S	Range 35E	Feet from the 567	North/South Line SOUTH	Feet from the 162	East/West Line WEST	County LEA
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## NATURE OF RELEASE

Type of Release DIKE RAN OVER	Volume of Release 50	Volumes Recovered 25
Source of Release BRINE WELL	Date and Hour of Occurrence 6/15/03	Date and Hour of Discovery 6/15/03
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

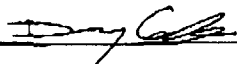
Describe Cause of Problem and Remedial Action Taken.\*

DIKE RAN OVER, REMEDIATION PLANS WILL FOLLOW

Describe Area Affected and Cleanup Action Taken.\*

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

## OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:		
Printed Name: Donny Collins	Approval Date:		
Title: Bookkeeper	Expiration Date:		Attached <input type="checkbox"/>
Date: 6/30/03 Phone: 398-4960	Conditions of Approval:		

\* Attach Additional Sheets If Necessary

