

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 8826

*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

*RP# 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

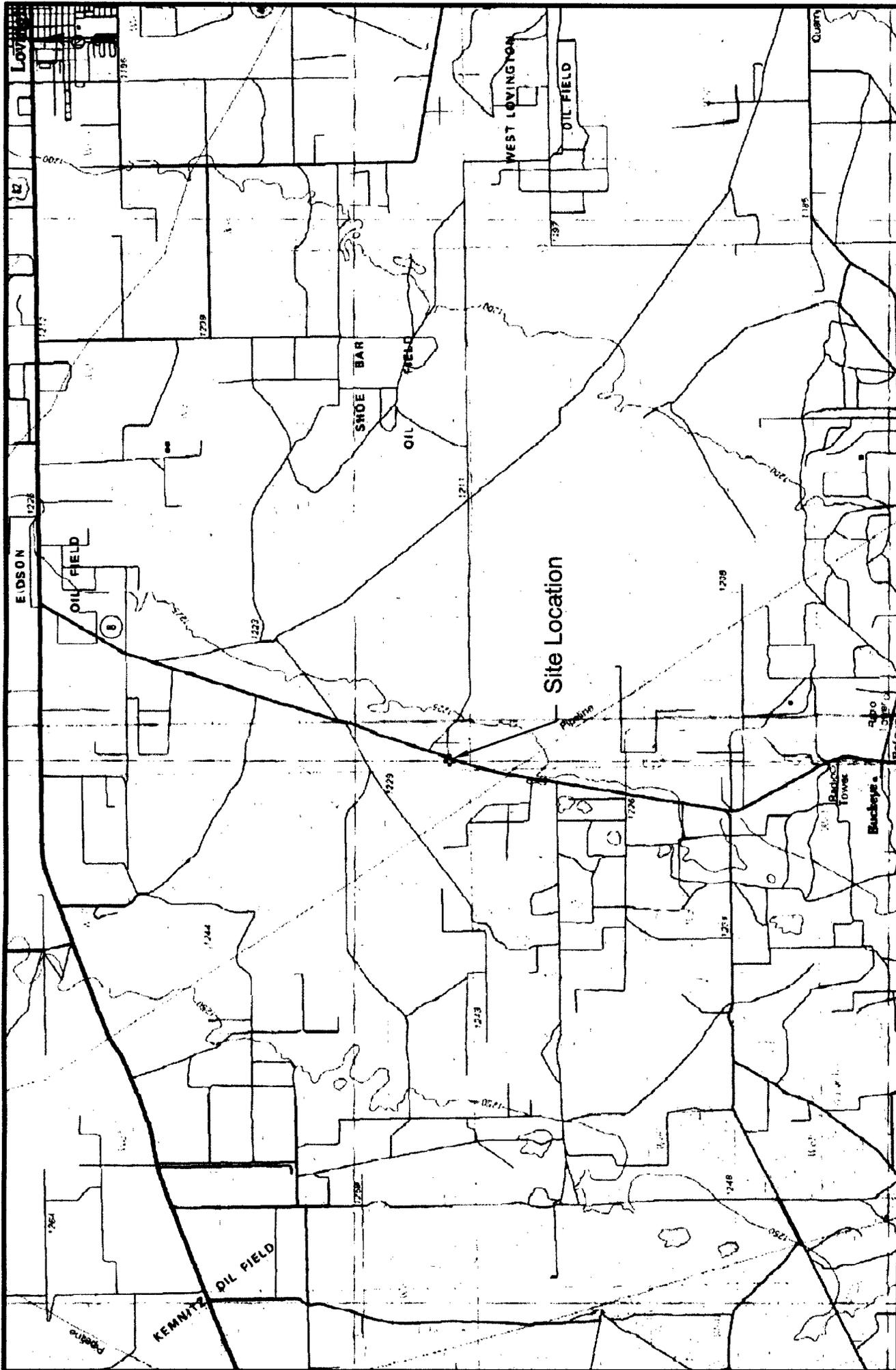
Approximately 50 barrels of brine water was released on site due to a dike overflow. Of the 50 barrels released approximately 25 barrels were recovered. The overflow of the diked area resulted in a chloride impact of the surrounding area as indicated on Figure 2. ETGI was contacted by Mr. Larry Gandy 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.

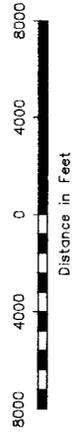
Jerry Brian
Project Manager, ETGI
Hobbs, New Mexico



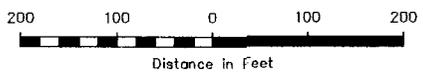
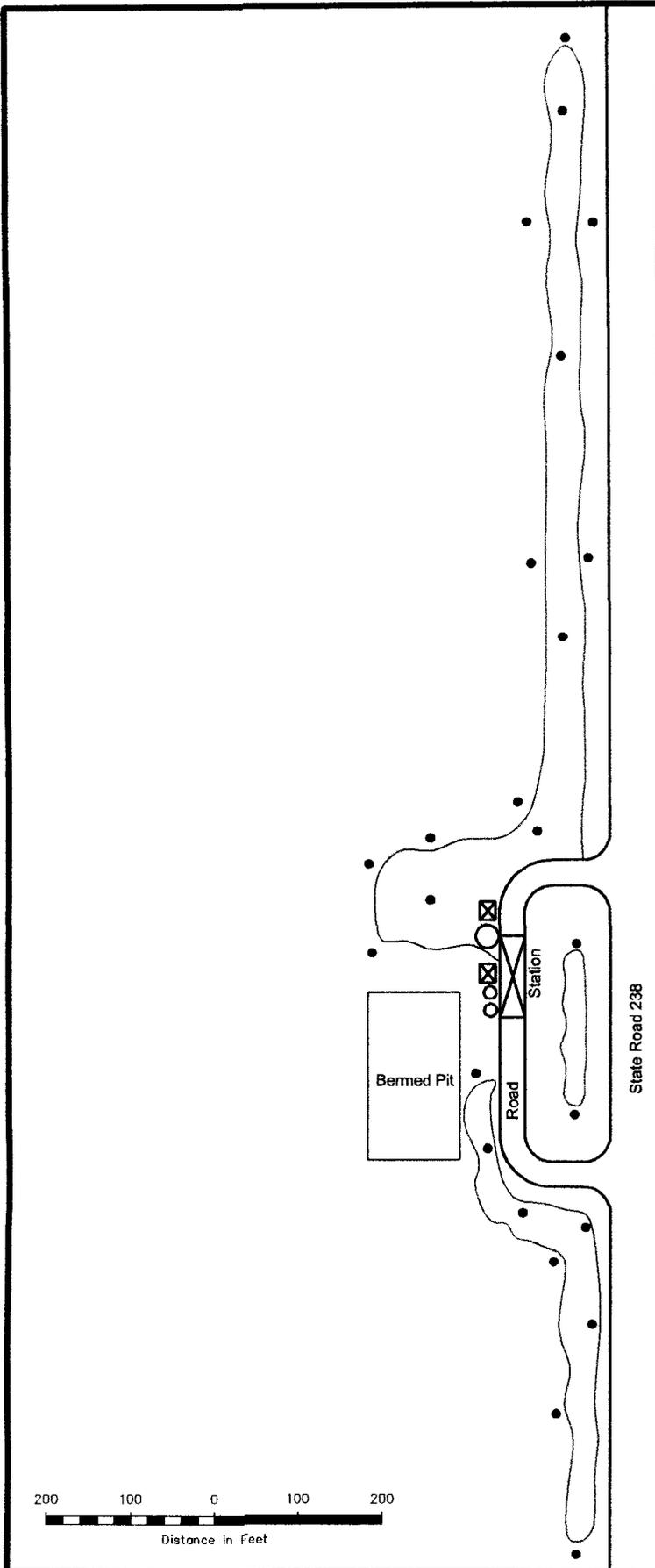
Environmental Technology Group, Inc.
 Scale: 1" = 200'
 August 5, 2003
 BW1/4 SW1/4 Sec 31, T16S, R38E



Figure 1
 Site Location Map
 Gandy Corp.
 Eldson Brine Station
 Location, State



Distance in Feet



- 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, R36E		

**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

(acre ft per annum)		(quarters are 1=NW 2=NE 3=SW 4=SE)	
DB File Nbr	Use	Source	Twz Rng Sec q q q
L 10270	PRO 0	Shallow	16S 35E 31 3 1 3
L 10482	PRO 0	Shallow	16S 35E 31 4 3 3
			16S 35E 31 4 3 3

Record Count: 3

AHM: Paul Shaeley

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

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.

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

* Attach Additional Sheets If Necessary

