

517SERBSF10,631

517SERBSF10,631

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Texfi Industries Inc.

NCD 986 178 226

Immediate Removal

Folders

1. General Correspondence file
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TEXFI BLENDS INC.

Site Information

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[Site Narrative at Listing](#) | [NPL Fact Sheet](#) | [Five-Year Reviews](#) | [Area Map](#)

Site Name: TEXFI BLENDS INC.

Street: 601 HOFFER DRIVE

City / State / ZIP: FAYETTEVILLE, NC 28301

NPL Status: Not on the NPL

Non-NPL Status: Removal Only Site (No Site Assessment Work Needed)

EPA ID: NCD986178226

EPA Region: 04

County: CUMBERLAND

Federal Facility Flag: Not a Federal Facility

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TEXFI BLENDS INC.

Actions

[Actions](#) | [Aliases](#) | [Contaminants](#) | [Actual Costs](#) | [Operable Units](#) | [Site Info](#) | [RODS Site Narrative at Listing](#) | [NPL Fact Sheet](#) | [Five-Year Reviews](#) | [Area Map](#)

<u>OU</u>	<u>Action Name</u>	<u>Qualifier</u>	<u>Lead</u>	<u>Actual Start</u>	<u>Actual Completion</u>
00	REMOVAL ASSESSMENT	H	F	01/23/2003	01/23/2003

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TRIP NOTIFICATION AND AUTHORIZATION FORM

Program:

- | | |
|--|---------------------------------------|
| <input checked="" type="checkbox"/> CERCLA Site Assessment | <input type="checkbox"/> Brownfields |
| <input checked="" type="checkbox"/> State | <input type="checkbox"/> MGP |
| <input type="checkbox"/> NPL/DOD | <input type="checkbox"/> Dry Cleaners |

Site Name:	<u>Texfi Industries, Inc</u>
ID Number:	_____
Street Address:	<u>601 Hoffer Drive</u>
City:	<u>Fayetteville</u>
County:	<u>Cumberland</u>

Date(s) of Trip <u>5/21/02</u>	Trip Canceled: _____	Trip Rescheduled (Date): _____
-----------------------------------	-------------------------	-----------------------------------

Reason For Trip: On-site recon with Removal Project Manager

(if sampling, check appropriate boxes below)

- | | |
|---|--|
| <input type="checkbox"/> Surface Soil | <input type="checkbox"/> Groundwater (bailers) |
| <input type="checkbox"/> Subsurface Soil | <input type="checkbox"/> Groundwater (pumps) |
| <input type="checkbox"/> Using Augers/Shovels to collect soil | <input type="checkbox"/> Surface Water |
| <input type="checkbox"/> Using Little Beaver to collect soil | <input type="checkbox"/> Sediment |
| <input type="checkbox"/> Groundwater (from tap) | |

Project Team Leader	Assistant	Assistant	Assistant
<u>Harry Zinn</u>	<u>Keith Snavelly</u>		

Authorized By: _____

[Signature]
Industrial Hygienist Signature

Office Use Only

County Health Department Official Contact:	<u>Eugene Hines</u>
Title:	<u>Deputy Director of Health Department</u>
Phone Number:	<u>(910) 433-3000</u>
Health Department Official Contacted:	Back Up Letter Required?: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Notes:	<u>Eugene Hines</u> <u>Notified Mr. Hines via voice mail 5-7-02 (DBL)</u>

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Dexter R. Matthews, Director



March 11, 2002

Mr. Myron Lair, Chief
Emergency Response and Removal Branch
US EPA Region IV
61 Forsyth Street, 11th Floor
Atlanta, Georgia 30303

Subject: Immediate Removal Evaluation Request
Texfi Industries, Inc.
601 Hoffer Road
Fayetteville, Cumberland County, North Carolina
NONCD 000 1075

Dear Mr. Lair,

As per our discussions with Don Rigger in Raleigh on March 5, we are forwarding information about the Texfi Industries, Fayetteville site. The NC Superfund Section requests that the US EPA evaluate the site for a possible removal action. The site involves chlorinated solvents in groundwater immediately adjacent to a clear well at a municipal water treatment plant serving approximately 145,000 people. Contaminant source areas are numerous, poorly characterized and located within 400 feet of the clear well. Phil Vorsatz has reviewed a draft version of our Pre-CERCLIS Site Screening, and will be able to answer questions you may have about the site.

The Texfi site is a 95.6 acre property located at 601 Hoffer Road in Fayetteville, North Carolina. The geographic coordinates for the site based on the northeast corner of the Texfi building are 35° 05' 02.97" north latitude and 78° 52' 02.58" west longitude (Attachment 1).

In 1968/69 the first permanent structure known as Fayetteville Finishing Corporation was located on the site. From that time until October 1999 when on-site operations ceased, the site has been utilized as a textile manufacturing facility. This consisted of yarn preparation, weaving, dyeing, and finishing. The dyeing and finishing processes were suspended from 1980 until 1988. Since 1999, the site has been inactive. Texfi Industries is currently in bankruptcy.

Numerous Environmental Site Assessments and sampling events have been conducted at this site. The first report is "Above Ground Tank Dike Remediation Report, Texfi Blends, 601 Hoffer Drive Fayetteville, North Carolina" dated March 6, 1995 by Legacy Environmental Services. This report addressed the remediation of contaminated water and soils within a diked area around a 45 foot diameter above ground storage tank (AST) used to

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-733-4996 \ FAX: 919-715-3605 \ Internet: www.enr.state.nc.us

store No. 6 fuel oil. During the removal of contaminated soils inside the dike area, ground water infiltrated the hole. This water contained a floating layer of BTEX and other fuel related contaminants. Due to concerns about ground water contamination, a monitoring well (MW1) was installed and sampled on April 19, 1995. The well is located northeast of the dike area in a direction assumed to be downgradient from the dike area. Although several contaminants associated with fuel oil were detected, trichloroethene (TCE), tetrachloroethene (PCE), cis-1,2-dichloroethene (c-DCE), and 1,1,1-trichloroethane (111TCA) were also detected at significant levels.

The second report, "Phase I Environmental Site Assessment, Texfi Industries, Fayetteville, North Carolina, Aquaterra Job No. 6100600", was completed by Aquaterra and dated February 13, 1996. This report identified seven potential areas of concern (AOCs). The further investigation of the contaminated ground water found in MW1 is the only AOC that is associated to the chlorinated solvent contamination we are currently concerned with.

The third report, "Phase II Environmental Site Assessments, Texfi Elastics, Inc. Facilities, Fayetteville, Haw River, and Rocky Mount, North Carolina" was completed by Aquaterra and dated March 1, 1996. This report did not address any of AOCs we currently are interested in.

The fourth report, "Limited Ground-Water Assessment, Texfi Facility, Fayetteville, North Carolina" was completed by Southridge Corporation and dated October 1996. This investigation installed three additional monitoring wells (MW2, MW3, and MW4) and used these wells along with MW1 to determine ground water contamination, flow direction and other hydrologic characteristics of the site. According to the analytical results listed on Table 1, MW4 had the highest levels of chlorinated solvents, MW1 had the highest levels of degradation products associated with the breakdown of the solvents, MW3 had low levels of the degradation products, and MW2 had a slight detection of PCE. The ground water flow direction was established as east toward the Cape Fear River.

The fifth report, "Phase I Environmental Site Assessment, Texfi Industries, Inc., Fayetteville, North Carolina", was completed by Aquaterra and dated August 25, 1998. This report identified the same AOCs as the report dated February 13, 1996, with the addition of battery charging stations identified within the plant.

Up until this time, the focus of the investigations was on the Texfi property. On October 10, 2000, Cherokee Investment Partners submitted an application for a Brownfield Agreement for the Texfi property. This application identified the potentially significant threat that the contaminants on the Texfi property posed to both the clear well and the surface water intake located on the Cape Fear River operated at the P. O. Hoffer Water Plant (Hoffer) by the Public Works Commission (PWC). The PWC contracted Mid Atlantic Associates, P.A. and produced a report, "Limited Site Assessment Report, Texfi Facility, Fayetteville, NC, Incident No. 13601" dated February 14, 2001. This report reaffirmed the existence of chlorinated solvent contamination on-site and the potential for off-site migration of the contaminants to the Hoffer facility. Since the issuance of this report, Cherokee Investment

Partners have made no further inquiries concerning redevelopment of the property.

Camp Dresser & McKee (CDM), on behalf of PWC, sent a letter dated February 19, 2001 to Charlotte Jesneck, Head of State Inactive Hazardous Sites Branch (SIHS) with the subject, " Recommendations for Remedial Investigation at the Texfi Facility, Fayetteville, North Carolina". This report recommended an interceptor trench, recovery wells and further assessment be performed. A bid package was prepared based on some of these recommendations and on March 13, 2001 a contract was let between SIHS and CDM. Since that time the following areas have been addressed.

Numerous piezometers previously installed both on the Texfi site and the Hoffer property have been sampled. Analysis of samples collected from these have documented contaminated groundwater migration from the Texfi site to the Hoffer site at levels significantly higher than Drinking Water Standards (Reference 2). Wells within 20 feet of the clear well have tetrachloroethene (PCE) concentrations up to 9,000 ug/l and cis 1,2-Dichloroethene (1,2-DCE) up to 23,000 ug/l.

Samples collected from a drainage ditch running between the Texfi site and the clear well indicate tetrachloroethene (PCE)(11400 ug/l), trichloroethene (TCE)(2800 ug/l), and other degradation products as well. This ditch would be consider to be the Probable Point of Entry for the surface water pathway from the Texfi site. It is approximately 400 feet upstream of the surface water intake for the P.O. Hoffer treatment facility. Surface water and sediment samples collected from the Cape Fear River have not documented any release of any contaminants to the river.

A soil-bentonite slurry wall approximately 450 foot long was constructed between the Texfi site and the clear well. This wall was installed to prevent the migration of contaminants to the clear well area. Three recovery wells were installed in conjunction with the wall to reduce contaminant levels around the clear well and to prevent further migration of contaminants to the clear well toe drain area. Initial sampling of these wells showed levels of PCE as high as 9400 ug/l on 5/23/01. More current analysis of the discharge from these wells indicate PCE as high as 21000 ug/l and TCE as high as 2000 ug/l.

The clear well located on the Hoffer site is an in-ground concrete tank, approximately 300 ft. By 500 ft., with a floor elevation of 84.5 ft above sea level. The first portion of the clear well was constructed in 1969, was located on the north side, closest to Texfi and had a capacity of 2 million gallons. The second phase in 1974 added 10 million gallons capacity and a french drain on the south side of the clear well. The remainder of the toe drain system, which now surrounds the clear well, was installed in 1996. Based on two piezometric surveys in February 2001 by CDM, the water table is as high as 86.7 in the vicinity of the clear well. The clear well is a segmented tank with segments being flushed on a routine basis. While being flushed, the segment is totally drained, potentially allowing a negative head to develop with respect to the groundwater. The clear well is not a monolithic structure, but has joints that may allow seepage into or out of the tank. No further treatment occurs after the treated water enters the clear well.

Since March 21, 2001 CDM has taken weekly samples of the water discharging from the clear well at a tap located inside a laboratory on the P.O. Hoffer site. None of these samples has indicated any contaminants associated with the chlorinated solvents or their degradation products. On two occasions samples were collected directly from the northeastern most segment of the clear well via a peristaltic pump. Neither of these samples indicated contaminants other than the trihalomethanes associated with the chlorination process.

The State Inactive Hazardous Sites Branch currently has a contract with CDM to operate the recovery wells and continue monitoring the groundwater around the clear well for two more years. After that time, no monies will be available to continue the monitoring of this site. No further investigation of the on-site sources on the Texfi property is currently funded. The owners/operators of the Texfi site are in bankruptcy and no monies are expected to be recovered. Based on these facts and a discussion concerning this site with Don Rigger, Chief Removal Operations Section, we request that this site be evaluated for an emergency removal. This is based on the potential of the clear well being impacted by contaminated ground water emanating from the site and the potential of the surface water intake currently supplying P.O. Hoffer Treatment facility being impacted if the contaminated ground water is allowed to continue to migrate toward the Cape Fear River.

Attached are the latitude and longitude worksheets, Table 4 and Figure 3 from *Texfi Interim Remedial Measures Report, September 2001 Monthly Progress Report* by CDM, and three drawings showing construction of the clear well. Additional State funds, other than those committed for the continued monitoring of the site, are not available at this time. Please let us know if and when a field evaluation can be conducted so we may coordinate your site visit with our staff. Please feel free to contact me at (919) 733-2801 ext. 313 or by e-mail at harry.zinn@ncmail.net if you have any questions or comments.

Sincerely,


Harry Zinn
Environmental Engineer
NC Superfund Section


Jim Bateson, Head
Site Evaluation and Removal Branch
NC Superfund Section

Attachments

CC: Scott Ross - File
Don Rigger, USEPA

CC: (Letter Only)

Jack Butler DWM
Charlotte Jesneck DWM
Jennifer Wendel, USEPA
Phil Vorsatz, USEPA
Chrystal Bartlett, DWM

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #2

LI USING ENGINEER'S SCALE (1/60)

SITE NAME: Texfi Industries Inc. CERCLIS #: NONCD 000 1075

AKA: n.a. SSID: n.a.

ADDRESS: 601 Hoffer Road

CITY: Fayetteville STATE: NC ZIP CODE: 28301

SITE REFERENCE POINT: NE corner of Texfi Building

USGS QUAD MAP NAME: Vander TOWNSHIP: - N/S RANGE: - E/W

SCALE: 1 : 24,000 MAP DATE: 1983 SECTION: - 1/4 - 1/4 - 1/4

MAP DATUM 1927 1983 (CIRCLE ONE) MERIDIAN: -

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 7.5' MAP (attach photocopy)

LONGITUDE: 78 ° 45 ' 0.00 " LATITUDE: 35 ° 0 ' 0.00 "

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 2.5' GRID CELL:

LONGITUDE: 78 ° 50 ' 0.00 " LATITUDE: 35 ° 5 ' 0.00 "

CALCULATIONS: LATITUDE (7.5' QUADRANGLE MAP)

A) NUMBER OF RULER GRADUATIONS FROM LATITUDE GRID LINE TO SITE REF POINT: 9

B) MULTIPLY (A) BY 0.3304 TO CONVERT TO SECONDS:

A X 0.3304 = 2.97 "

C) EXPRESS IN MINUTES AND SECONDS (1' = 60") : 0 ' 2.97 "

D) ADD TO STARTING LATITUDE: 35 ° 5 ' 0.00 " + 0 ' 2.97 "

SITE LATITUDE: 35 ° 5 ' 2.97 "

CALCULATIONS: LONGITUDE (7.5' QUADRANGLE MAP)

A) NUMBER OF RULER GRADUATIONS FROM RIGHT LONGITUDE LINE TO SITE REF POINT: 371

B) MULTIPLY (A) BY 0.3304 TO CONVERT TO SECONDS:

A X 0.3304 = 122.58 "

C) EXPRESS IN MINUTES AND SECONDS (1' = 60") : 2 ' 2.58 "

D) ADD TO STARTING LONGITUDE: 78 ° 50 ' 0.00 " + 2 ' 2.58 "

SITE LONGITUDE: 78 ° 52 ' 2.58 "

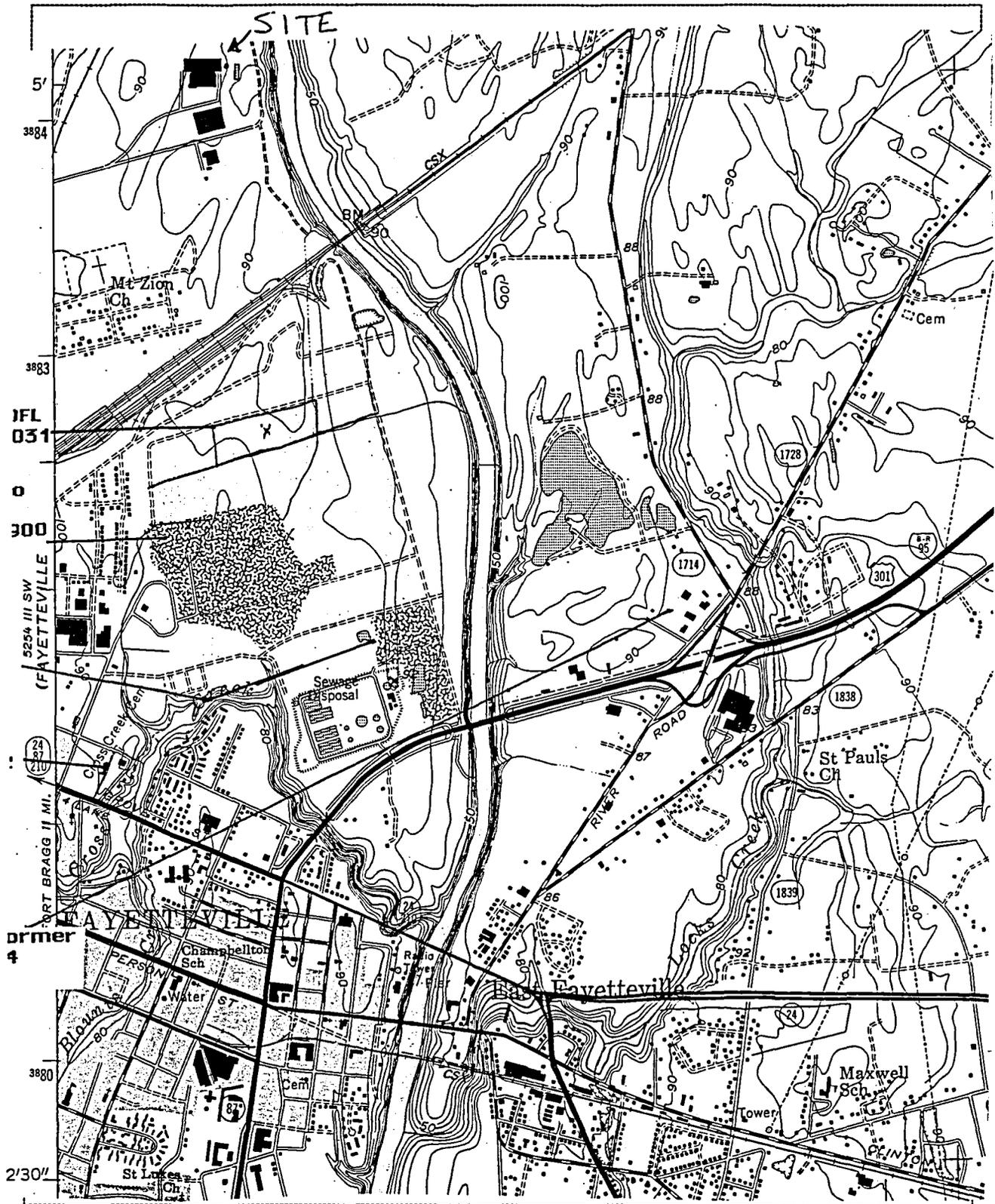
INVESTIGATOR: Harry Zinn DATE: 10/10/01

SITE NAME:

fi Industries Inc.

NUMBER:

NONCD 000 1075



TOPOGRAPHIC MAP QUADRANGLE NAME

Vander

SCALE: 1:24,000

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 2.5' GRID CELL:

LATITUDE:

35° 5' 0.00"

LONGITUDE:

78° 50' 0.00"

**Table 4
Groundwater Elevations
Textil Interim Remedial Measures**

Location	TOC Elevation	Ground Elevation	GW Elevation 1/30/2001	GW Elevation 2/5/2001	GW Elevation 2/7/2001	GW Elevation 2/13/2001	GW Elevation 5/8/2001	GW Elevation 5/31/2001	GW Elevation 6/28/2001	GW Elevation 7/26/2001	GW Elevation 8/16/2001
PWC-GW-1	92.37	92.33	85.13	85.46	85.51	85.56	85.27	84.82	85.43	NM	83.76
PWC-GW-2	92.21	92.03	84.73	84.91	84.92	84.98	84.86	Damaged	84.36	Damaged	Damaged
PWC-GW-3	94.06	93.83	82.33	85.12	85.14	85.11	85.57	85.22	85.99	85.45	85.33
PWC-GW-4	92.52	92.42	82.42	84.91	84.57	84.64	85.23	84.72	85.69	NM	84.74
PWC-GW-5	89.59	88.95	50.95	75.07	75.34	75.15	75.85	75.97	76.80	76.85	76.71
PWC-GW-5a	89.45	88.90	--	--	DRY	75.85	76.51	76.7	79.30	79.27	77.85
PWC-GW-6	92.81	92.53	DRY	81.53	83.46	83.43	NM	83.51	83.88	83.59	83.45
PWC-GW-7	93.44	92.55	--	--	86.70	86.58	86.54	86.49	87.12	87.1	86.87
PWC-GW-8	93.61	92.61	--	--	86.36	86.32	86.11	85.25	86.00	86.00	85.59
PWC-GW-9	92.57	91.83	--	--	85.42	85.61	85.02	85.49	85.54	86.11	85.08
PWC-GW-10	93.46	92.57	--	--	84.57	84.61	84.26	84.31	84.58	84.78	84.25
PWC-GW-11	94.15	93.31	--	--	83.28	83.26	83.15	83.23	83.28	83.33	83.24
PWC-GW-12	91.07	90.35	--	--	86.04	86.44	85.07	84.75	84.87	84.96	84.56
PWC-GW-13	91.88	91.50	--	--	85.37	85.46	NM	NM	85.88	84.61	85.26
PWC-GW-14	90.75	90.44	--	--	85.18	85.25	NM	84.82	85.47	NM	84.77
PWC-GW-15	90.49	90.00	--	--	85.26	85.41	84.19	83.21	83.51	84.37	83.54
PWC-GW-16	94.96	93.18	--	--	83.01	82.85	82.86	82.76	82.84	83.16	83.11
PWC-GW-17	94.97	93.47	--	--	83.02	83.04	82.87	82.72	82.84	82.80	82.72
PWC-GW-18	90.25	89.79	--	--	84.90	85.00	84.95	84.41	85.05	84.86	84.47
PWC-GW-19	92.68	90.85	--	--	83.79	83.82	83.88	83.88	84.37	84.34	83.91
PWC-GW-20	90.84	89.55	--	--	DRY	80.52	80.74	80.74	81.00	81.10	81.09
PWC-GW-21	91.44	89.69	--	--	81.54	85.11	85.53	85.13	86.16	86.03	85.41
PWC-GW-22	93.63	92.37	--	--	84.88	84.73	85.42	84.94	85.65	85.28	84.91
PWC-GW-23	93.08	91.34	--	--	85.02	85.12	85.53	85.34	85.74	85.73	85.51
PWC-GW-24	93.53	91.62	--	--	81.73	83.58	85.44	85.00	84.80	84.38	84.09
PWC-GW-25	92.56	90.85	--	--	84.81	84.84	85.36	84.52	84.98	84.89	84.45
PWC-GW-26	92.89	91.23	--	--	DRY	84.87	84.41	83.30	84.68	84.58	84.29
MW-2	96.57	93.87	--	85.32	85.34	85.37	NM	NM	86.02	85.71	85.50
RW-1	93.08	--	--	--	--	--	--	84.08	82.68	79.87	80.08
RW-2	92.44	--	--	--	--	--	--	83.39	83.59	84.35	83.54
RW-3	94.14	--	--	--	--	--	--	83.64	82.39	84.64	83.46

Notes:

- All elevations are in feet.
- Indicates wells not yet installed.
- Skury wall installation completed 5-10-01.
- Initiation of Recovery Well Pumps on 5-24-01.

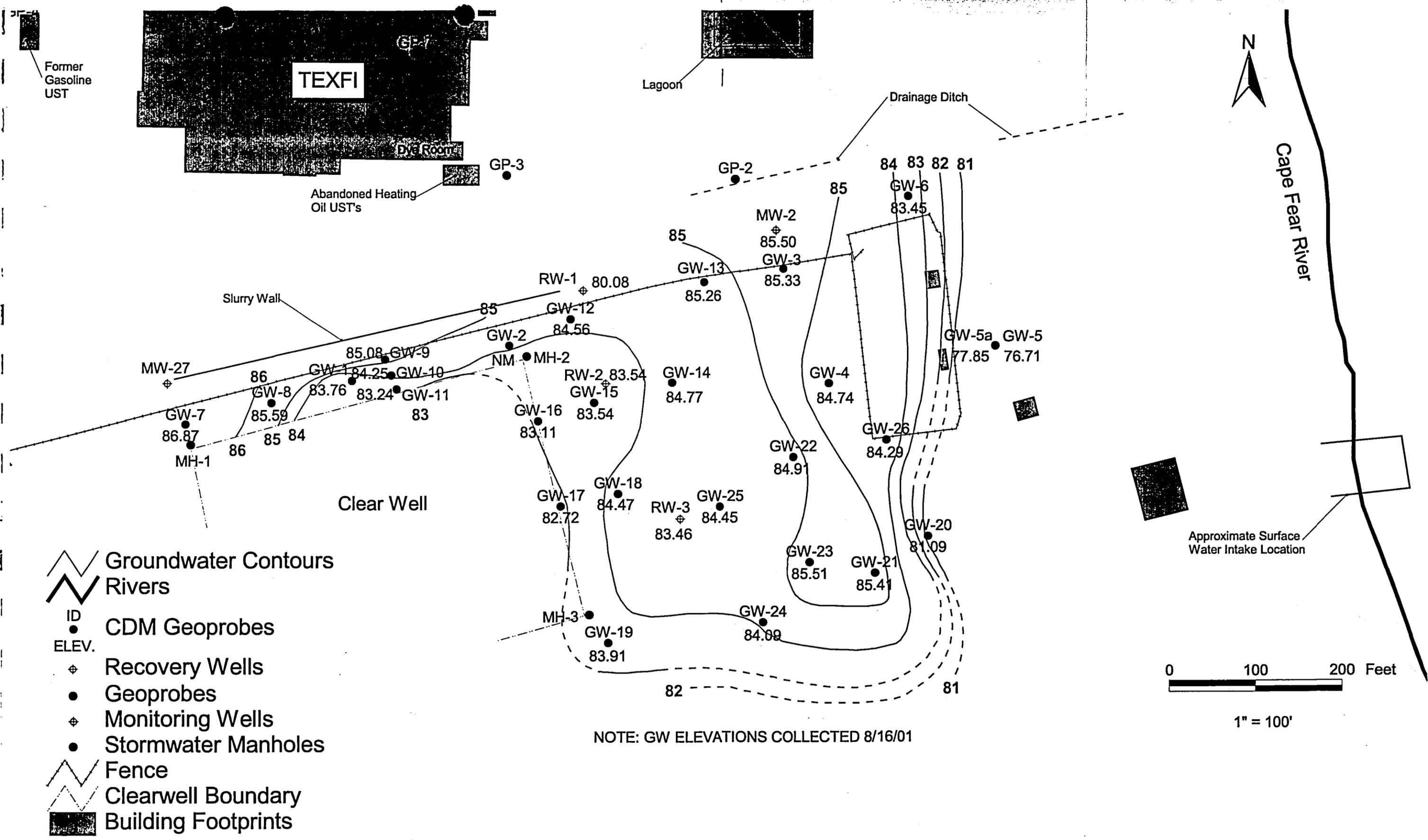


Figure 2
Potentiometric Contour Map