

**ATTACHMENT 6**  
**FACILITY DESCRIPTION**

**Attachment 6**  
**FACILITY INFORMATION**  
**[R315-3-2.5(b)(10), (11), and (19); R315-8-2.9]**

**1.0 TRAFFIC INFORMATION**  
**[R315-3-2.5(b)(10)]**

Traffic patterns for truck vehicles hauling products and wastes are shown on the Drawing No. 7946-AD-001 - Plot Plan in Appendix A. Truck traffic volume averages less than 12 vehicles per day. Vehicles used include 6 tractors and 4 vans (one, 28 ft.; one, 40 ft.; one, 45 ft.; and one, 48 ft.).

The facility has a truck entrance gate which is closed and locked when facility personnel are not present. Access is limited to authorized vehicles. Warning signs are posted at the gate.

The access street is 11th Street, which is a blacktop street that routinely carries transport trucks weighing 80,000 pounds gross. Traffic control signals are not necessary because of the limited amount of traffic. The nearest traffic control signal is approximately one mile from the Ashland facility. Ashland's operations do not significantly increase the volume of traffic within the Freeport Center area.

**2.0 FACILITY LOCATION INFORMATION**  
**[UAC R315-3-2.5(b)(11), R315-8-2.9]**

- (a) In accordance with UAC R315-50-11, the Ashland Clearfield facility is located in Davis County.
- (b) The Clearfield facility is not a new facility and has previously demonstrated compliance with the seismic standard. Refer to Appendix B for the Dames & Moore report resulting from a field investigation conducted in November 1983. The report indicates that the site is in compliance with 40 CFR 264.18(a) and UAC R315-8-2.9(a).
- (c) The current National Flood Insurance Program Flood Insurance Rate Map (FIRM) for the City of Clearfield, Utah, dated February 20, 1979 (Drawing No. 71030-ZD-003 in Appendix C), indicates that the Ashland Clearfield facility is not located within a 100-year flood plain. The nearest 100-year flood plain area is approximately 1,600 feet from the Ashland Clearfield facility.

- (d) The current National Flood Insurance Program FIRM for the City of Clearfield, Utah, indicates that the Ashland Clearfield facility is not located within a 100-year flood plain. Therefore, this requirement does not apply to the Ashland Clearfield facility.
- (e) The current National Flood Insurance Program FIRM for the City of Clearfield, Utah, indicates that the Ashland Clearfield facility is not located within a 100-year flood plain. Therefore, this requirement does not apply to the Ashland Clearfield facility.

### **3.0 TOPOGRAPHIC MAPS [UAC R315-3-2.5(b)(19)]**

This section includes a topographic map (Drawing No. 71030-ZD-002 in Appendix D) showing a distance of 1,000 feet around the facility at a scale of 2.5 centimeters, 1 inch, equal to not more than 61.0 meters, 200 feet, respectively. Contours are shown on the map. The contour interval is sufficient to clearly show the relief is greater than 6.1 meters, 20 feet, or an interval of 0.6 meters, 2 feet if the relief is less than 6.1 meters, 20 feet. The map clearly shows the following:

- Map scale and date
- 100-year floodplain area
- Surface waters including intermittent streams
- Surrounding land uses, residential, commercial, agricultural, and recreational
- A wind rose, i.e., prevailing wind speed and direction
- Orientation of map, north arrow
- Legal boundaries of the hazardous waste management facility site
- Access control, fences, gates
- Injection and withdrawal wells both onsite and offsite
- Buildings; treatment, storage, or disposal operations; or other structures, recreation areas, run-off control systems, access and internal roads, storm, sanitary, and process sewerage systems, loading and unloading areas, fire control facilities, etc.
- Barriers for drainage or flood control
- Location of operational units within hazardous waste management facility site, where hazardous waste is, or will be, treated, stored, or disposed, include equipment cleanup areas

As Appendix E, Ashland has included a 7.5-minute series topographic map with contour intervals of 5 feet showing a distance of 1,000 feet around the facility at a scale of one inch equal to not more than 200 feet (Drawing No. 71030-ZD-001). The topographic map is supplemented by the following maps:

- Appendix F: Site Plan Truck Dock and Hazardous Waste Storage Truck Route (Drawing No. 71030-ZD-004).
- Appendix G: Farmington, Utah Wind Rose

#### **4.0 LEGAL DESCRIPTION**

Refer to Appendix H for a legal description of the Ashland Clearfield property.

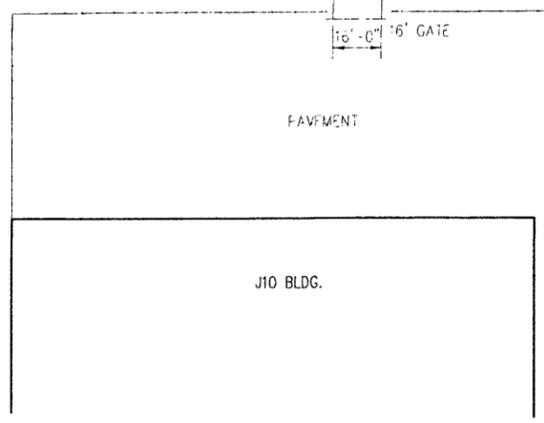
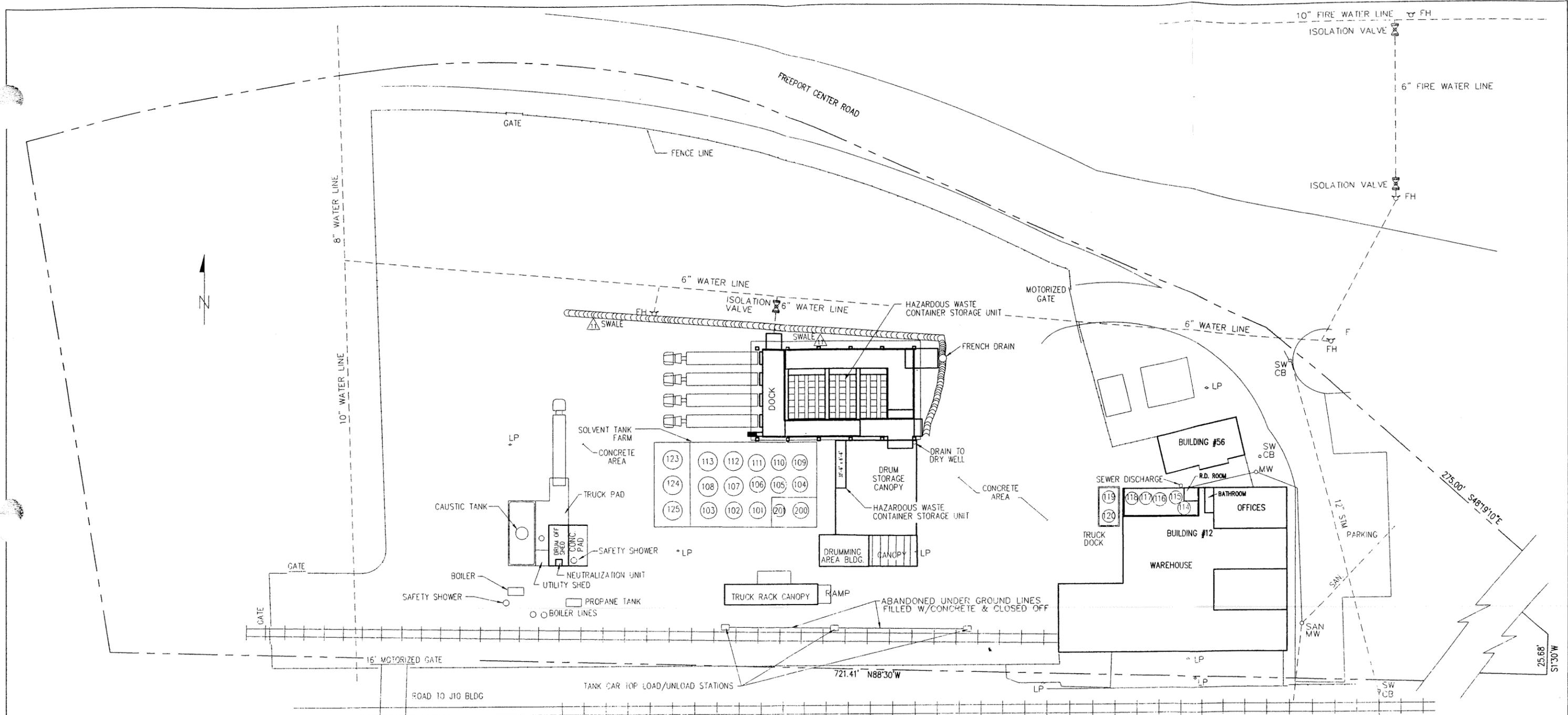
#### **5.0 SITE PHOTOGRAPHS**

Refer to Appendix I for site photographs.

**APPENDIX A**

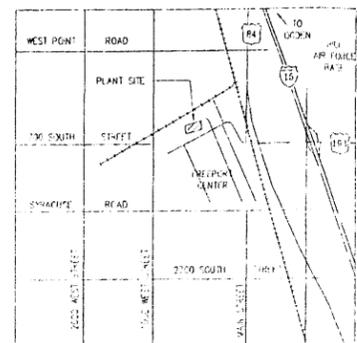
**PLOT PLAN**

**DRAWING NO. 7946-AD-001**



- LEGEND
- LP - LIGHT POLE
  - ⊕ FH - FIRE HYDRANT
  - MW - MANWAY
  - SW - STORM WATER
  - CB - CATCH BASIN

LOCATION PLAN  
SCALE: NONE



REV.	DATE	DRN.	CHK'D	REVISIONS DESCRIPTION	APPR.
14	2-5-07	W.A.A.		REVISED PER FIELD INFORMATION AS SUPPLIED BY EHS	M. RITTER
13	5-2-05	S.R.J.		REVISED PER AS-BUILT FIELD INFORMATION	
12	6-26-02	Chaput		REVISED PAD TO REFLECT DRAWING 71030-CD-003-1	
11	4-22-02	Chaput		ADDED DRY WELL AND SWALE NORTH SIDE OF BUILDING	
10	4-23-96	SHAPUL		REMOVED HAZARDOUS WASTE AND STORAGE TANK	
9	3/31/95	SJP		ADDED TKS-123,124,125	
8	11/10/94	SJP		AS-BUILT	

**ASHLAND**  
ASHLAND DISTRIBUTION COMPANY

APPROVED FOR CONST. BY	REV. DATE	LOCATION SALT LAKE CITY, UT UNIT #1170	TITLE
		DRN. R.M.L.	PLOT PLAN
		DATE 5/25/99	
		CHK'D R.B.	DRAWING NO.
		DATE 5/30/99	7946-AD-001
		SCALE 1" = 30' 0"	REV. 14
		PLOT 1-000	
PROJ. # 7946	PROJ. TITLE GENERAL PLAN I		

**APPENDIX B**  
**DAMES & MOORE REPORT**



November 29, 1983

Ashland Chemical Company  
Engineering Department  
P.O. Box 2219  
Columbus, Ohio 43216

Attention: Mr. David L. Anderson  
Environmental Engineer

Gentlemen:

Supplemental Discussions  
Report  
Soils and Foundation and Ground Water  
Investigation  
Proposed Tank Farm  
Adjacent to Existing Building 12 at  
at Freeport Center  
Clearfield, Utah  
For Ashland Chemical Company

#### INTRODUCTION

This report presents supplemental discussions pertaining to the geoseismic setting of the referenced site. These discussions are required in order that the proposed facility be in compliance with 40 CFR 264.18(a) which pertains to seismic considerations.

This letter supplements our report of November 1, 1982\* and should be attached thereto.

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\* "Report, Soils, Foundation and Ground Water Investigation, Proposed Tank Farm Adjacent to Building 12 at the Freeport Center, Clearfield, Utah, For Ashland Chemical Company"

November 29, 1983

DISCUSSIONS

As stated on page 17 of our November 1, 1982 report, no active faults are known to pass through or immediately adjacent to the site. The nearest projected faults are located approximately three miles southwest and approximately three miles to the east of the site. These faults are projected based upon geophysical data and may be older than Holocene time. It should be noted that there is no surface expression of these geophysically inferred faults.

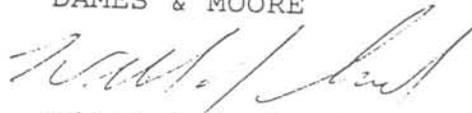
Based upon our review of the available data, it is our opinion that the site is not located within 61 meters (200 feet) of a fault which has had displacement in Holocene time. Therefore, the site is in compliance with 40 CFR 264.18(a).

oOo

We appreciate the opportunity of performing this service for you. If you have any questions regarding this report or require additional information, please contact us.

Sincerely,

DAMES &amp; MOORE



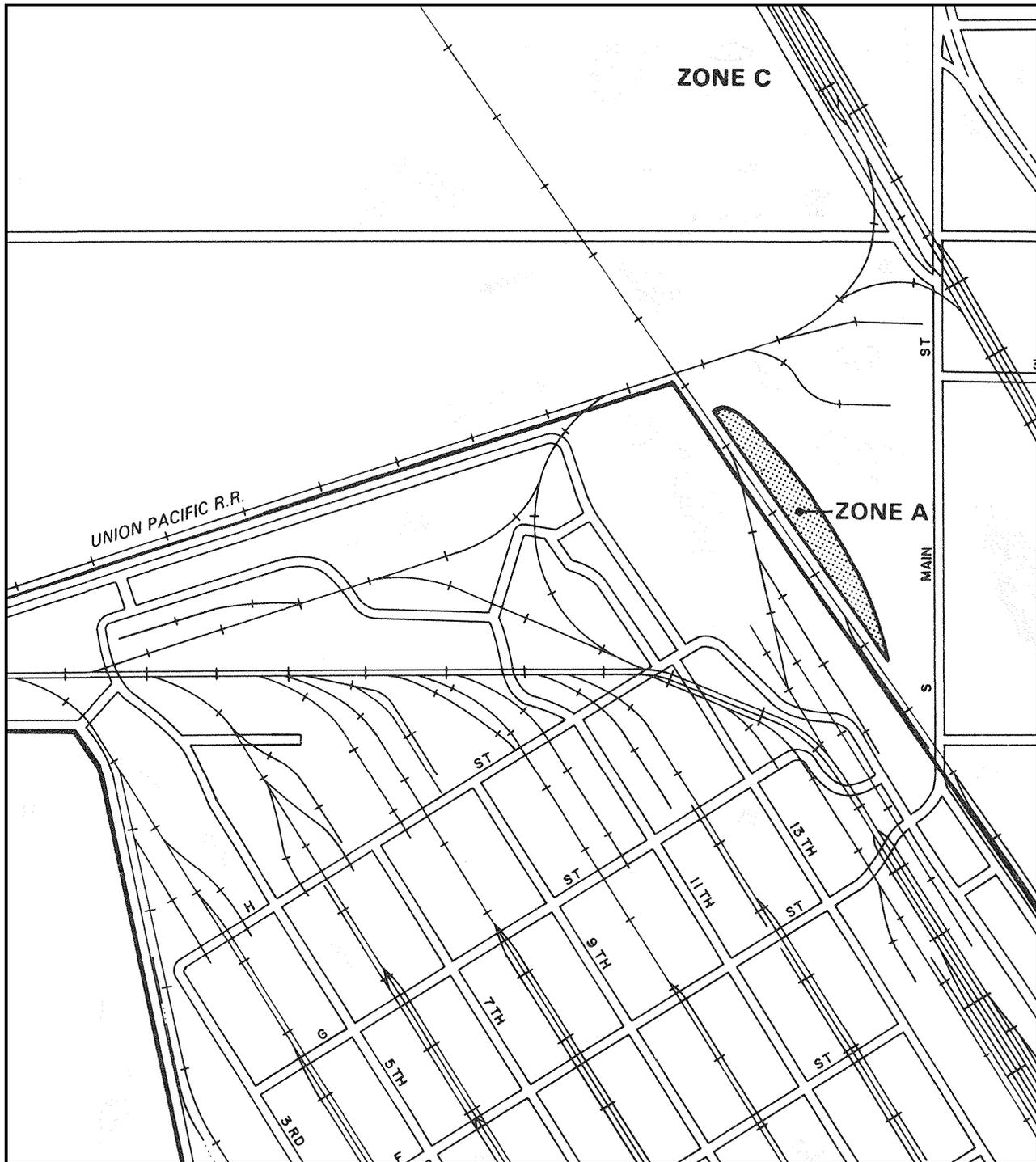
William J. Gordon, Partner  
Professional Engineer No. 3457  
State of Utah

WJG:chr

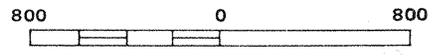
(3 copies submitted)

## **APPENDIX C**

### **FLOOD INSURANCE RATE MAP (FIRM) DRAWING NO. 71030-ZD-003**



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
FLOOD INSURANCE RATE MAP

CITY OF  
**CLEARFIELD,**  
UTAH  
DAVIS COUNTY

ONLY PANEL PRINTED

COMMUNITY-PANEL NUMBER  
490041 0001 B

EFFECTIVE DATE:  
FEBRUARY 20, 1979



U.S. DEPARTMENT OF HOUSING  
AND URBAN DEVELOPMENT  
FEDERAL INSURANCE ADMINISTRATION

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

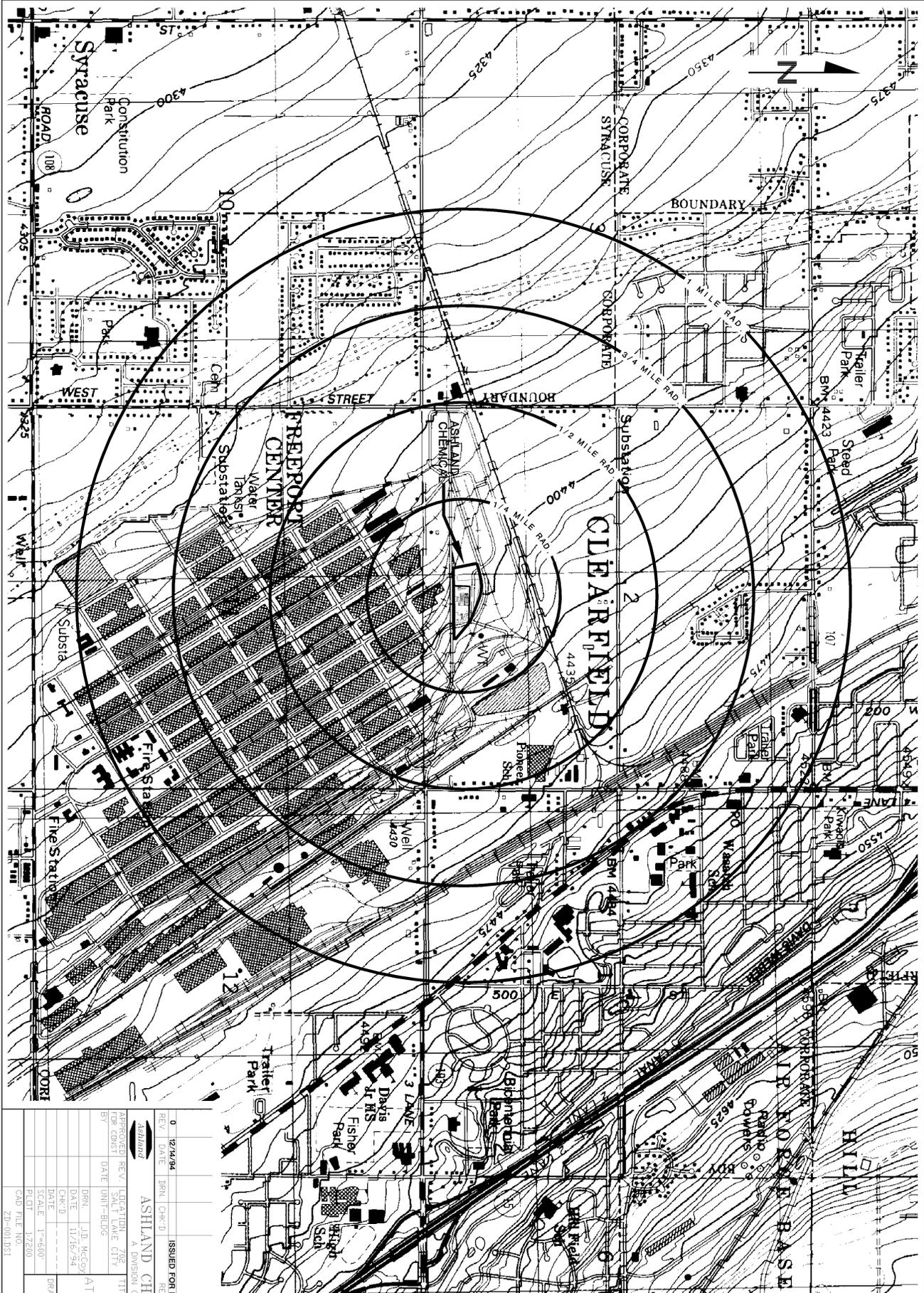
## **APPENDIX D**

### **TOPOGRAPHIC MAP DRAWING NO. 71030-ZD-002**



## **APPENDIX E**

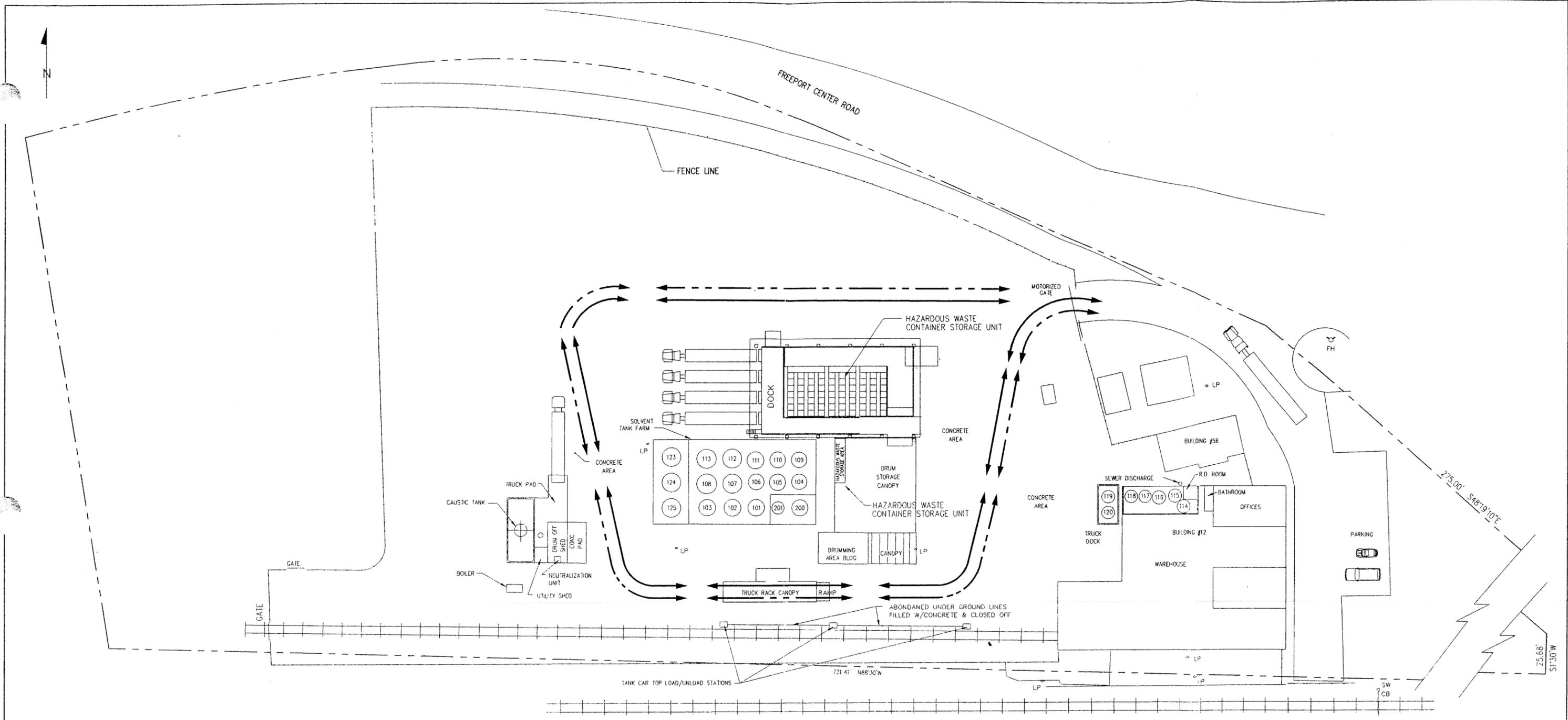
### **7.5-MINUTE SERIES TOPOGRAPHIC MAP (DISTANCE 1,000 FEET) DRAWING NO. 71030-ZD-001**



T 5 N T 4 N 4552		5 MI. TO U.S. 89 280 000 FEET		UTAH 232 CITY 25 MI.	
TITLE TOPOGRAPHIC MAP AT ONE (1) MILE RADIUS		DRAINAGE NO. 71030-ZD-001		REV 0	
ASHLAND CHEMICAL COMPANY A DIVISION OF ASHLAND OIL, INC.		ISSUED FOR PERMIT REVISIONS DESCRIPTION APRR		DATE 12/14/94	
ASHLAND SALT LAKE CITY		LEGATION 702		DATE 11/16/94	
BY DATE		DATE 11/25/00		SCALE 1"=400'	
CAD FILE NO. ZD-001B31		0		YACULT FILE NO.	

## **APPENDIX F**

# **SITE PLAN TRUCK DOCK AND HAZARDOUS WASTE STORAGE TRUCK ROUTE DRAWING NO. 71030-ZD-004**



**LEGEND**  
 NORMAL TRUCK ROUTES  
 HAZARDOUS WASTE ROUTES

NOTE: A COMPLETE CIRCLE COULD BE MADE IN EITHER DIRECTION AROUND DRUM STORAGE & TANK FARM.

2	2-5-07	W.A.A.		REVISED PER FIELD INFORMATION AS SUPPLIED BY EH&S	M. RITTER
1	4-23-96	S.J.A.P.L.J.		REMOVED HAZARDOUS WASTE AND STORAGE TANK	
0	12-14-94	S.V.P.		ISSUED FOR PERMIT	
REV.	DATE	DRN.	CHK'D	REVISIONS DESCRIPTION	APPR.

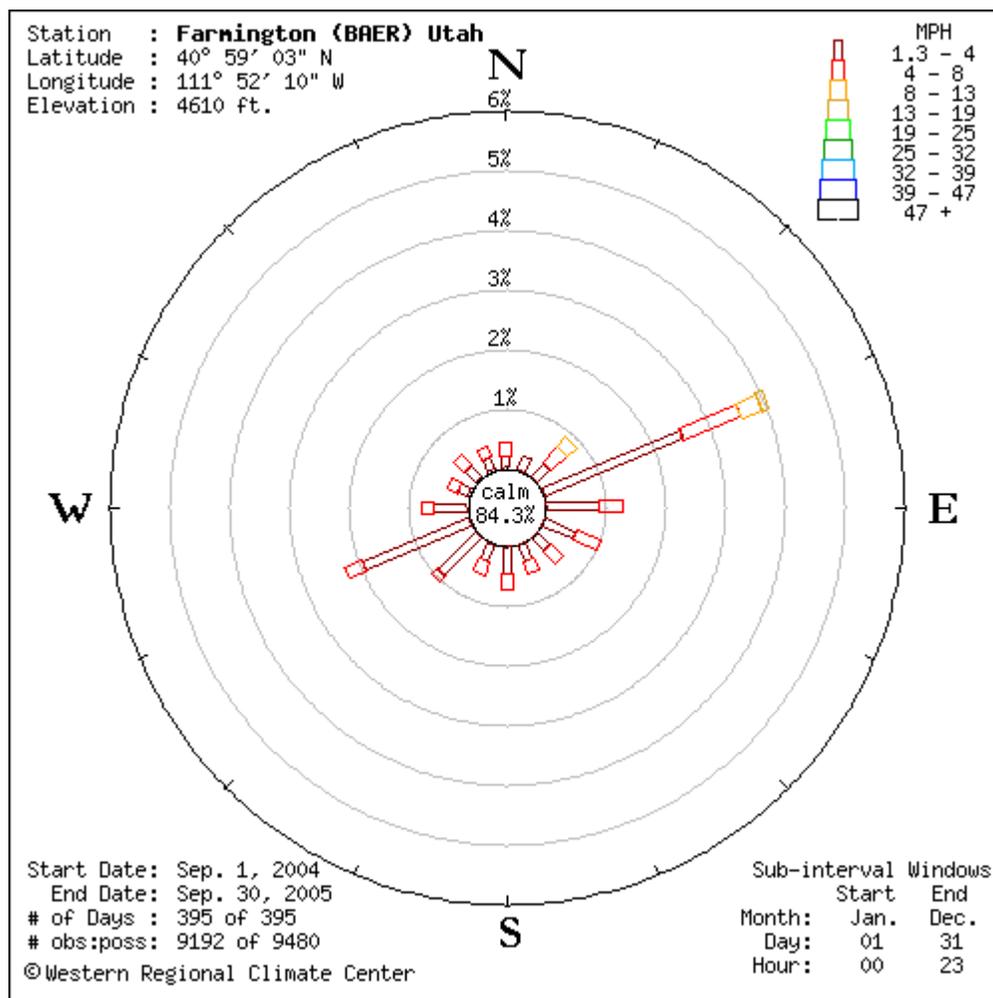
**ASHLAND**  
 ASHLAND DISTRIBUTION COMPANY

APPROVED FOR CONST. BY	REV. DATE	LOCATION SALT LAKE CITY, UT. UNIT-BLDG	TITLE	
		DRN. F.L.P.	TRUCK DOCK & HAZARDOUS WASTE STORAGE TRUCK ROUTING	
		DATE 12-1-94		
		CHK'D		
		SCALE 1" = 50'-0"		
		PLOT 1:360	DRAWING NO. 71030-ZD-004	REV. 2
PROJ. # 7046	PROJ. TITLE GENERAL PLANT			

## **APPENDIX G**

### **WIND ROSE**

# Farmington (BAER) Utah



## Farmington (BAER) Utah - Wind Frequency Table (percentage)

Latitude : 40° 59' 03" N  
 Longitude : 111° 52' 10" W  
 Elevation : 4610 ft.

Start Date : Sep. 1, 2004  
 End Date : Sep. 30, 2005  
 # of Days : 395 of 395  
 # obs : poss : 9192 of 9480

Sub Interval Windows  
 Start End  
 Month Jan. Dec.  
 Day 01 31  
 Hour 00 23

(Greater than or equal to initial interval value and Less than ending interval value.)

Range (mph)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
1.3 - 4	0.2	0.2	0.3	2.5	0.9	0.6	0.3	0.3	0.4	0.3	0.9	1.9	0.6	0.2	0.2	0.2	9.9
4 - 8	0.2	0.1	0.4	1.0	0.4	0.4	0.3	0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.2	0.2	4.8
8 - 13	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
13 - 19	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
19 - 25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

25 - 32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
32 - 39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
39 - 47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
47 -	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total(%)	0.4	0.3	0.9	4.0	1.3	1.0	0.6	0.5	0.7	0.5	1.0	2.2	0.7	0.4	0.5	0.4	15.6
Calm (<1.3)																	84.3
Ave Speed	4.3	3.7	6.4	5.0	3.8	3.9	4.2	3.9	3.9	4.6	4.2	3.7	3.7	4.3	4.2	4.3	0.7

## Farmington (BAER) Utah - Hourly Wind Statistics Table

Latitude : 40° 59' 03" N	Start Date : Sep. 1, 2004	Sub Interval Windows	
Longitude : 111° 52' 10" W	End Date : Sep. 30, 2005	Start	End
Elevation : 4610 ft.	# of Days : 395 of 395	Month	Jan. Dec.
	# obs : poss : 9192 of 9480	Day	01 31
		Hour	00 23

- Time - Time of Day (L.S.T.)
- Speed - Average (Scalar) Speed in MPH
- U-Vel - East-West Velocity, Positive to East
- V-Vel - North-South Velocity, Positive to North
- Res Spd - Vector Average (resultant) Speed in MPH
- Res Dir - Vector Average (resultant) Direction
- Dir Con - Directional Constancy (Res Spd/Speed)
- Num Spd - Number of Wind Speed Observations
- Num Dir - Number of Wind Direction Observations

Time	Speed	U-Vel	V-Vel	Res Spd	Res Dir	Dir Con	Num Spd	Num Dir
0	0.6	0.1	0.4	0.4	70	0.609	380	380
1	0.6	0.1	0.4	0.4	72	0.637	384	384
2	0.6	0.1	0.4	0.4	79	0.686	383	383
3	0.5	0.1	0.4	0.4	67	0.719	381	381
4	0.6	0.1	0.4	0.4	71	0.756	382	382
5	0.5	0.1	0.3	0.3	67	0.728	383	383
6	0.5	0.1	0.3	0.3	63	0.671	382	382
7	0.4	0.1	0.3	0.3	66	0.734	384	384
8	0.4	0.1	0.3	0.3	79	0.707	385	385
9	0.3	0.1	0.1	0.1	56	0.384	384	384
10	0.4	0.1	0.1	0.1	47	0.211	383	383
11	0.5	-0.0	-0.0	0.0	231	0.070	384	384
12	0.7	-0.1	-0.1	0.2	222	0.275	383	383
13	0.8	-0.3	-0.2	0.4	216	0.451	382	382
14	1.1	-0.4	-0.3	0.5	217	0.467	382	382
15	1.2	-0.3	-0.4	0.5	237	0.439	380	380

16	1.2	-0.2	-0.4	0.4	236	0.372	383	383
17	1.0	-0.1	-0.3	0.3	244	0.328	384	384
18	0.7	-0.0	-0.0	0.0	241	0.017	383	383
19	0.6	0.1	0.3	0.4	75	0.613	384	384
20	0.6	0.1	0.4	0.4	77	0.686	382	382
21	0.9	0.2	0.7	0.7	73	0.789	384	384
22	1.0	0.3	0.6	0.6	65	0.648	385	385
23	0.8	0.2	0.5	0.5	71	0.681	385	385
ALL	0.7	0.0	0.2	0.4	83	0.518	9192	9192



[Return to Wind Rose Options](#)



[Return to WRCC Home Page](#)

## **APPENDIX H**

### **LEGAL DESCRIPTION**

**GREAT BASIN ENGINEERING, INC.**

Consulting Engineers and Land Surveyors  
P.O. Box 8307  
Ogden, Utah 84409

Ogden (801) 394-4310  
Salt Lake (801) 521-8529  
FAX (801) 392-7344



May 13, 1994

FREPORT CENTER  
ASHLAND CHEMICAL

**LEGAL DESCRIPTION**

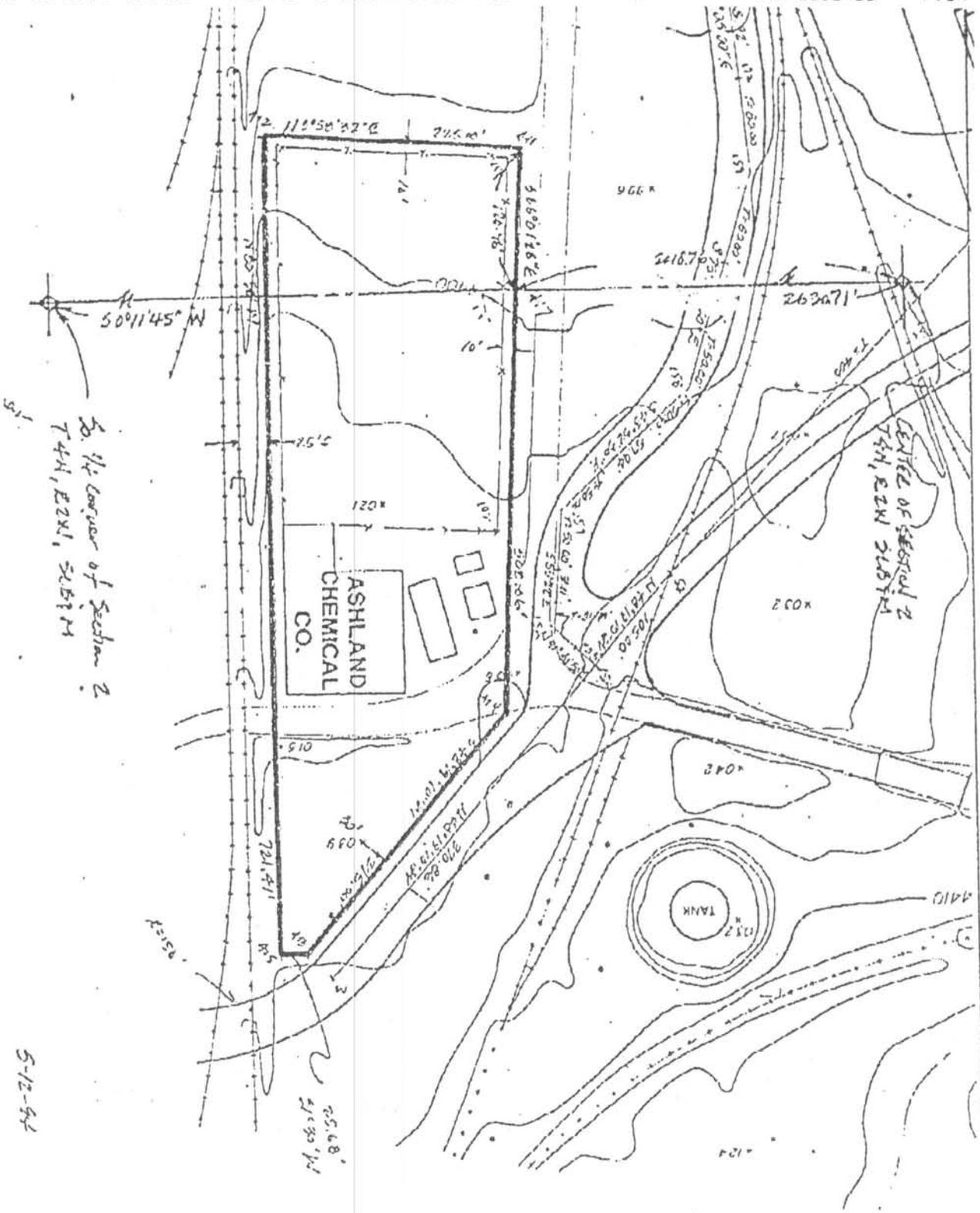
A part of the South 1/2 of Section 2, Township 4 North, Range 2 West,  
Salt Lake Base and Meridian, U.S. Survey:

Beginning at a point 2018.76 feet South  $0^{\circ}11'45''$  West along the Quarter  
Section Line and 120.46 feet North  $55^{\circ}01'28''$  West from the center of said  
Section 2; and running thence South  $06^{\circ}01'28''$  East 502.06 feet; thence  
South  $48^{\circ}19'10''$  East 276.00 feet; thence South  $1^{\circ}30'$  West 25.68 feet; thence  
North  $88^{\circ}30'$  West 721.41 feet; thence North  $3^{\circ}58'52''$  East 225.00 feet to the  
point of beginning.

Contains 3.04 Acres

MEMBER OF AMERICAN SOCIETY OF CIVIL ENGINEERS / MEMBER OF UTAH COUNCIL OF LAND SURVEYORS  
MEMBER OF AMERICAN CONSULTING ENGINEERS COUNCIL

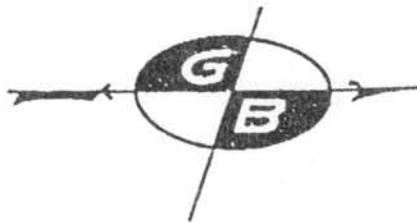
CURRENT



So. 1/4 corner of Section 2  
T4M, E2M, S257M

5-12-94

CURRENT



# GREAT BASIN ENGINEERING, INC.

Consulting Engineers and Land Surveyors  
P.O. Box 9307  
Ogden, Utah 84409

Ogden (801) 394-4515  
Salt Lake (801) 521-8529  
FAX (801) 392-7544



October 25, 1994

**FREEMONT CENTER  
ASHLAND CHEMICAL (ALT. NO. 1)**

### LEGAL DESCRIPTION

A part of the South 1/2 of Section 2, Township 4 North, Range 2 West, Salt Lake Base and Meridian, U.S. Survey:

Beginning at a point 1902.76 feet South 0°11'45" West along the Quarter Section Line and 431.07 feet West from the center of said Section 2; and running Easterly along the arc of a 1539.77 foot radius curve to the right 223.38 feet (Long Chord bears North 78°58'38" East 223.19 feet); thence North 83°08'00" East 16.88 feet; thence Easterly along the arc of a 513.34 foot radius curve to the right 276.55 feet (Long Chord bears South 81°26'00" East 273.22 feet); thence South 66°00'00" East 308.45 feet; thence South 48°19'10" East 306.56 feet; thence South 1°30' West 25.68 feet; thence North 88°30' West 963.24 feet; thence North 9°16'03" West 330.09 feet to the point of beginning.

Contains 6.497 Acres

(PROPOSED)



# **APPENDIX I**

## **SITE PHOTOGRAPHS**

Site Photographs

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Photo #1: Front Sign



Photo #2: Front of Building

## Site Photographs

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Photo #3: Electronic Slide Gate for Truck Entrance



Photo #4: Side of Waste CSU Building

## Site Photographs

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Photo #5: Truck Loading and Unloading Area



Photo #6: CSU Storage Area 1

## Site Photographs

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Photo #7: CSU Storage Area 2



Photo #8: CSU Storage Area 3

Site Photographs

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Photo #9: CSU Storage Area 4