19c

RCRA ENVIRONMENTAL INDICATOR CA750 REPORT
DETERMINATION OF CURRENT OF RELEASES TO GROUNDWATER CONTROLLED
GM LINDEN FACILITY
LINDEN, NEW JERSEY
US EPA ID #NJD002186690
NJDEP CASE NO. 95-01-25-1618-35

by

Haley & Aldrich, Inc.
Cleveland, Ohio

for

ENCORE
Pontiac, Michigan

File No. 28499-308
September 27, 2005

662327

Tables

TABLE 2.4.1
SUMMARY OF SURROUNDING PROPERTIES

GM LINDEN FACILITY
LINDEN, NEW JERSEY

	AUL	BROWNSFIELD VCP	CERC-NFRAP	CORRACTS	DRYCLEANERS	ERNS	FINDS	FTTS INSP	HIST LF	HMIRS	LUST	MLTS	NJ MAJOR FACILITIES	NP PDES	NJ RELEASE	NJ SPILLS	PADS	RAATS	RCRA LQG	RCRA SQG	RCRA TSDF	SHWS	SSTS	TRIS	TSCA	UST	VCP
1065 EDWARD STREET DRUMS							X																				
119 BRADFORD AVENUE		X																									X
1200 SYLVAN STREET						X				X																	
126 EAST LINCOLN AVENUE						X																					
1331 WEST EDGAR RD						X										X											
135 SOUTH STILES STREET							X									X											
1512 W ELIZABETH AVE						X				X					X												
1515 WEST ELIZABETH AVE						X																					
1701 REALTY CO																										X	
1710 WEST ELIZABETH AVE						X	X													X							
1711 W ELISABETH AVE						X									X												
330 S STILES ST						X									X	X											
5 NORTH STILES ST.						X																					
530 W. LINDEN AVE. WRENCH TRAN						X									X												
720 WEST EDGAR ROAD											X					X										X	
811 SMITH STREET							X									X											
A I MANUFACTURING CORPORATION							X													X							
A&H REALTY							X																			X	
ABC FURNITURE STORE																X											
AHC MANUFACTURING CORP							X															X				X	
AIRSTECH CHEMICAL CORPORATION														X													
AIRTEC INC							X																				
ALLIED SYSTEMS LTD														X													
ALLSTATE POWER VAC INCORPORATE							X									X				X							
ALOYCO INC														X													
AMERICAN LEATHER MFG CO																				X							
ANCHOR MOTOR FREIGHT																										X	
ARCO SERVICE STATION LINDEN							X				X									X		X					
ARISTECH CHEMICAL COMPANY																X											
ARISTECH CHEMICAL CORP							X																				
ATLANTIC PETROLEUM											X					X											
ATLANTIC RICHFIELD SERVICE STA							X																				
BASIC FORMULATIONS							X													X						X	
BLDG 805															X												
BOLL PARTNERSHIP							X													X							
BRODIE SYSTEM INC							X													X							
BUICK OLDS															X												
CADILLAC PLASTIC																X											
CAMBRIDGE CHEMICAL CLEANING							X																				
CARNIVAL CREATIONS															X	X											
CHALLENGER ELECTRICAL EQUIPMEN							X													X							
CHEMICAL SERVICES INC. (CSI)							X						X			X							X				
CHOCK FULL O' NUTS CORP							X				X															X	
CHROME PLUS INCORPORATED							X																				
CITGO GAS STATION																X											
CITY LINE REALTY ASSO NJ LIMT																										X	
COLORCO INCORPORATED							X	X			X			X		X											
COLORFLO INC							X							X													
CONRAIL CORP YARD LINDEN							X																				
CONRAIL LINDEN RAILYARDS																X											
COOKS INDUSTRIAL																									X		
COOPER ELECTRIC SUPPLY COMPANY		X					X				X				X	X										X	X
CRASH COLLISION REPAIRS							X													X							
DISTILLERS COMPANY LIMITED							X																				
DISTRIBUTION CENTER TRAFFIC DE																										X	
DOCK RESIN CO															X												
DOCK RESINS															X	X											
DOCK RESINS CORP							X							X	X	X			X			X		X		X	
EAST COAST TRUCK SALES							X								X					X							
EAST SIDE METAL STAMPING							X																				
ELF LUBRICANTS NORTH AMERICA							X						X	X	X	X				X				X		X	
ELIZABETHTOWN GAS CO NUI							X																				
EMERY INDUSTRIES INCORPORATED							X													X							
EXPRESS SHIPPING SERVICE INC							X																				
EXXON CO USA 30557							X				X									X		X				X	
FLOMART																X											
FORMER AUTO REPAIR SHOP											X					X											
GARDEN STATE METAL FINISHING C																						X					
GATE STATION ON LOWER RD TO															X												
GENERAL MAGNAPLATE CORPORATION			X	X			X								X	X			X		X						
GENERAL MOTORS			X	X		X	X						X	X	X	X			X		X	X		X			
GENES AUTO BODY							X													X							
GIANT INTERNATIONAL TRUCKS IN																										X	
HELICOPTER SERVICES INC							X													X							
HOLLER METAL FABRICATORS INC							X																				
HOLLINSHED RESIDENCE																X											
HOME DEPOT 934							X													X							
HOWARD PRESS							X				X				X	X				X		X				X	
HYDRO GROUP INC							X				X					X				X						X	
INDUSTRIAL MACHINE & ENGR CO I							X							X						X						X	
INSPECTORATE AMERICA CORP							X													X							
ISCO SUBS NUCLEAR SUPPORT							X													X							
JERRY & SONS AUTO REPAIR															X												
JOAN E SILVER							X																			X	
JOBE INDUSTRIES INC							X						X	X													
KUIXX LINDEN															X												
LEASEWAY MOTORCAR TRANSPORT							X							X													
LEE'S INDEPENDENT AUTO SERVICE							X				X					X										X	
LIMA PLASTICS INC.							X							X						X							
LINDEN AIRPORT						X	X								X	X			X								
LINDEN ASSOC LLC /WAREHOUSE																X											
LINDEN AUTO MEDIC															X												
LINDEN CENTER																						X					

TABLE 2.4.1
SUMMARY OF SURROUNDING PROPERTIES

GM LINDEN FACILITY
LINDEN, NEW JERSEY

	AUL	BROWNSFIELD VCP	CERC-NFRAP	CORRACTS	DRYCLEANERS	ERNS	FINDS	FTTS INSP	HIST LF	HMIRS	LUST	MLTS	NJ MAJOR FACILITIES	NP PDES	NJ RELEASE	NJ SPILLS	PADS	RAATS	RCRA LQG	RCRA SQG	RCRA TSDF	SHWS	SSTS	TRIS	TSCA	UST	VCP
LINDEN MUNICIPAL AIRPORT							X							X						X		X				X	
LINDEN RC/SAFETY KLEEN															X												
LINDEN REALTY							X																				
LINDEN YARD														X													
LINN ASSOCIATES											X															X	
MALONE CHEMICAL INC			X				X									X				X							
MALSTROM CHEMICAL CORPORATION							X																				
MARGON CORPORATION							X													X							
MAXIMUS CLEANER							X													X							
MERCK			X	X			X	X	X			X	X	X	X	X	X		X		X	X	X	X	X	X	
MICROCAST CO INC							X																				
MID ATLANTIC TRUCK CENTER INC							X													X							
MINIBAG USA CORP							X																				
MISTRAL WING & ROTOR CORP																										X	
NEW DIRECTIONS IN MARBLE DESIG							X																				
OLD LINCOLN AIRPORT																X											
OLD LINDEN AIRPORT																X											
PARAMOUNT METAL FINISHING							X												X					X			
PARAMOUNT MFG CO							X							X						X						X	
PARAMOUNT PLATING CO														X	X												
PARKING LOT (A&P)					X										X												
PENSKE AUTO LEASING																X											
PIC CORP																							X				
PLANT SITE WEST SIDE															X												
PRECISION MARKING CORP							X																				
PRO PLASTICS INC							X								X												
QUIXX CO							X								X												
R & R SALVAGE CORPORATION		X					X									X						X					X
RAD & ASSOC INC							X																				
RAHWAY IMPORT AUTO REPAIRS							X				X				X	X										X	
RAILROAD WELL AT REAR OF															X												
REPUBLIC MOLD & TOOL CO INC							X																				
RHEEM MFG CO - ECRA CLEAN UP																				X							
RHODES PLASTICS CORP							X								X					X						X	
RWENCH TRANSPORTATION																X											
SAFETY CLEAN			X	X			X	X					X	X	X	X		X	X		X					X	
SANDEEP FUEL CORP																										X	
SERVICE STATION							X													X							
SIEMENS ENERGY & AUTOMATION SE							X													X						X	
SMALL LOT STAMPING COMPANY		X					X																				X
SOLO FURNITURE																X											
SOLVENTS RECOVERY						X																					
SONOL GAS INC							X									X											
STACK 939 FACTORY 6 BLDG 54															X												
STANDARD T CHEMICAL CO	X						X													X		X				X	
SUNOCO SERVICE STATION							X													X							
TETLEY INCORPORATED							X													X							
UNION CNTY PROBATION OFFICE							X									X				X							
UNIQUE METAL PRODUCTSCO INC							X																				
UNIQUE PRECISION CO							X							X						X							
UNITED LACQUER		X					X																				X
UNITED STATES STEEL (USS) CHEM			X	X			X												X		X						
USX CORP																						X				X	
WESLEY WINTER & MOORE INC							X													X							
WILLIAM MCCULLOUGH TRUCKING											X					X											
WRISCO INDUSTRIES INC							X																				
XPORT SERVICES INC							X	X																			
1400 WEST ELIZABETH																X											
833 HAMPDEN ST															X												
829 HAMPTON ST															X												
1200 SYLVAN STREET															X												
329 NORTH STILES ST															X												
2071 MONTGOMERY ST															X												
301 PLESENT ST															X												
120 LINDEGAR ST															X												
1301 WEST ELIZABETH																X											
801 HAMPDEN ST															X												
1963 LUFBERRY ST																X											
1015 EDWARD ST																X											
319 SOUTH STILES ST															X												
SOUTH STILES RD / WEST																X											
STYLES AVE / EDGAR																X											
203 BRADFORD AVE															X												
RT 1/SMITH ST															X	X											
PLEASENT / LINDEN AV																X											
RT#17 + LAKE ST															X	X											

Notes:
1. Information obtained from EDR search results for a one-mile radius.

TABLE 2.8.3.1
SUMMARY OF RISING HEAD PERMEABILITY TESTS - STAGE III RFI/RI
GENERAL MOTORS VEHICLE MANUFACTURING - LINDEN ASSEMBLY PLANT
LINDEN, NEW JERSEY

Well ID	DEPTH TO BOTTOM	WELL DIAMETER (in)	SCREENED, OR OPEN BORE HOLE	MONITORING INTERVAL (ft)	DATE	TEST ID	K(h) (cm/sec)	Slug Test Methodology	Analysis Methodology	COMMENTS
Shallow Overburden										
MW-27S	17.5	4	SCREENED	7.5-17.5	6/15/2005	T1	2.98E-04	RH	B-R	
					6/16/2005	T2	4.05E-04	RH	B-R	
					6/16/2005	T3	5.23E-04	RH	B-R	
MW-40S	17.5	4	SCREENED	7-17	12/13/2004	T1	2.2E-03	RH	B-R	
					12/13/2004	T2	2.3E-03	RH	B-R	
MW-41S	17.0	4	SCREENED	7-17	6/9/2005	T1	3.1E-04	RH	B-R	
					6/15/2005	T2	3.3E-04	RH	B-R	
MW-43S	18.5	4	SCREENED	8-18	12/13/2004	T1	3.7E-04	RH	B-R	
					12/13/2004	T2	4.4E-04	RH	B-R	
MW-44S	17.0	4	SCREENED	7-17	12/13/2004	T1	6.0E-03	RH	B-R	
					12/13/2004	T2	7.2E-03	RH	B-R	
					12/13/2004	T3	7.6E-03	RH	B-R	
MW-47S	17.5	4	SCREENED	7-17	12/14/2004	T1	1.2E-03	RH	B-R	
					12/14/2004	T2	1.5E-03	RH	B-R	
MW-49S	17.0	4	SCREENED	7-17	6/13/2005	T2	4.0E-04	RH	B-R	
					6/13/2005	T3	4.9E-04	RH	B-R	
MW-50S	15.0	4	SCREENED	5-15	4/28/2005	T1	1.5E-03	RH	B-R	
					4/20/2005	T2	1.6E-03	RH	B-R	
MW-52S	14.0	4	SCREENED	4-14	4/7/2005	T1	6.2E-02	RH	B-R	
MW-53S	12.0	4	SCREENED	2-12	6/7/2005	T1	1.1E-03	RH	B-R	
					6/7/2005	T2	1.2E-03	RH	B-R	
MW-55S	13.0	4	SCREENED	3-13	7/27/2005	T1	3.6E-03	RH	B-R	
					7/27/2005	T2	3.2E-03	RH	B-R	
					7/27/2005	T3	3.1E-03	RH	B-R	
MW-57S	14.0	4	SCREENED	4-14	6/22/2005	T1	2.6E-02	RH	B-R	
					6/22/2005	T2	2.6E-02	RH	B-R	
MW-59S	14.0	4	SCREENED	4-14	6/22/2005	T1	1.7E-03	RH	B-R	
					6/22/2005	T2	1.7E-03	RH	B-R	
MW-62S	15.0	4	SCREENED	5-15	7/28/2005	T1	1.5E-03	RH	B-R	
					7/28/2005	T2	1.7E-03	RH	B-R	
MW-63S	17.0	4	SCREENED	7-17	6/9/2005	T1	2.6E-03	RH	B-R	
					6/9/2005	T2	2.8E-03	RH	B-R	
					6/9/2005	T3	2.9E-03	RH	B-R	
MW-67S	16.0	4	SCREENED	6-16	5/26/2005	T1	5.0E-05	RH	B-R	
MW-68S	12.0	4	SCREENED	2-12	6/7/2005	T1	2.3E-03	RH	B-R	
					6/7/2005	T2	2.6E-03	RH	B-R	
					6/7/2005	T3	2.6E-03	RH	B-R	
MW-69S	13.0	4	SCREENED	3-13	7/27/2005	T1	2.8E-03	RH	B-R	
					7/27/2005	T2	2.8E-03	RH	B-R	
					7/27/2005	T3	2.8E-03	RH	B-R	

TABLE 2.8.3.1
SUMMARY OF RISING HEAD PERMEABILITY TESTS - STAGE III RFI/RI
GENERAL MOTORS VEHICLE MANUFACTURING - LINDEN ASSEMBLY PLANT
LINDEN, NEW JERSEY

Well ID	DEPTH TO BOTTOM	WELL DIAMETER (in)	SCREENED, OR OPEN BORE HOLE	MONITORING INTERVAL (ft)	DATE	TEST ID	K(h) (cm/sec)	Slug Test Methodology	Analysis Methodology	COMMENTS
Weathered Bedrock										
MW-9W	49.0	4	SCREENED	39-49	5/16/2005	T1	1.1E-05	RH	H	
MW-23W	37.0	4	SCREENED	27-37	1/7/2005	T1	2.2E-02	RH	H	
					1/7/2005	T2	2.3E-02	RH	H	
MW-40W	44.0	4	SCREENED	34-44	12/8/2004	T1	5.0E-03	RH	H	
					12/8/2004	T2	6.5E-03	RH	H	
					12/8/2004	T3	1.3E-03	RH	H	
MW-41W	34.0	4	SCREENED	29-34	12/7/2004	T1	1.9E-04	RH	H	
					12/7/2004	T2	2.0E-04	RH	H	
					12/7/2004	T3	1.7E-04	RH	H	
MW-42W	42.0	4	SCREENED	32-42	12/9/2004	T1	1.6E-02	RH	H	
					12/9/2004	T2	1.4E-02	RH	H	
					12/9/2004	T3	1.3E-02	RH	H	
MW-43W	47.0	4	SCREENED	37-47	1/6/2005	T1	6.2E-04	RH	H	
					1/6/2005	T2	1.0E-03	RH	H	
MW-44W	43.0	4	SCREENED	33-43	12/14/2004	T1	6.1E-03	RH	H	
					12/14/2004	T2	5.1E-03	RH	H	
MW-45W	50.0	4	SCREENED	40-50	12/9/2004	T1	1.3E-02	RH	H	
MW-46W	39.0	4	SCREENED	29-39	12/8/2004	T1	1.3E-03	RH	H	
					12/8/2004	T2	1.6E-03	RH	H	
MW-47W	38.0	4	SCREENED	28-38	12/9/2004	T1	1.6E-03	RH	H	
					12/9/2004	T2	1.6E-03	RH	H	
MW-48W	35.0	4	SCREENED	30-35	12/8/2004	T1	1.7E-03	RH	H	
					12/8/2004	T2	1.8E-03	RH	H	
					12/8/2004	T3	1.5E-03	RH	H	
MW-49W	40.0	4	SCREENED	30-40	5/16/2005	T1	2.6E-03	RH	H	
					5/16/2005	T2	1.1E-03	RH	H	
MW-50W	38.0	4	SCREENED	28-38	3/15/2005	T1	9.5E-04	RH	H	
					3/15/2005	T2	9.1E-04	RH	H	
MW-52W	50.0	4	SCREENED	40-50	3/21/2005	T1	3.5E-04	RH	H	
					3/21/2005	T2	3.3E-04	RH	H	
					3/21/2005	T3	4.0E-04	RH	H	
MW-54W	44.0	4	SCREENED	34-44	3/25/2005	T1	6.6E-05	RH	H	
					3/25/2005	T2	1.5E-04	RH	H	
MW-55W	49.0	4	SCREENED	39-49	3/17/2005	T1	2.0E-03	RH	H	
					3/17/2005	T2	1.0E-03	RH	H	
MW-57W	35.0	4	SCREENED	23-35	3/23/2005	T1	4.0E-03	RH	H	
					3/23/2005	T2	1.9E-03	RH	H	
					3/23/2005	T3	2.1E-03	RH	H	
MW-58W	61.0	4	SCREENED	51-61	3/16/2005	T1	1.0E-04	RH	H	
					3/17/2005	T2	7.1E-05	RH	H	
MW-61W	53.0	4	SCREENED	43-53	6/8/2005	T1	9.9E-04	RH	H	
MW-66W	42.0	4	SCREENED	32-42	6/6/2005	T1	2.0E-03	RH	H	
					6/6/2005	T2	8.1E-04	RH	H	
					6/6/2005	T3	2.6E-02	RH	H	
					6/6/2005	T4	3.6E-02	RH	H	
MW-67W	48.0	4	SCREENED	38-48	5/31/2005	T1	6.9E-03	RH	H	
					5/31/2005	T2	6.7E-03	RH	H	
					5/31/2005	T3	6.5E-03	RH	H	
MW-69W	48.0	4	SCREENED	38-48	6/6/2005	T1	3.7E-03	RH	H	
					6/6/2005	T2	3.2E-03	RH	H	

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GENERAL MOTORS VEHICLE MANUFACTURING - LINDEN ASSEMBLY PLANT
LINDEN, NEW JERSEY

Well ID	DEPTH TO BOTTOM	WELL DIAMETER (in)	SCREENED, OR OPEN BORE HOLE	MONITORING INTERVAL (ft)	DATE	TEST ID	K(h) (cm/sec)	Slug Test Methodology	Analysis Methodology	COMMENTS
Bedrock										
MW-9B	99.0	6	OPEN HOLE	74-99	12/29/2004	T1	2.4E-04	RH	H	
					12/29/2004	T2	1.7E-04	RH	H	
MW-37B	109.0	6	OPEN HOLE	84-109	3/11/2005	T1	7.7E-05	RH	H	
					3/11/2005	T2	7.7E-05	RH	H	
MW-43B	205.0	6	OPEN HOLE	180-205	7/14/2005	T1	6.3E-05	RH	H	
MW-44B	200.0	6	OPEN HOLE	175-200	7/1/2005	T1	4.6E-04	RH	H	
MW-45B	90.0	6	OPEN HOLE	65-90	7/7/2005	T1	2.8E-04	RH	H	
					7/7/2005	T2	3.0E-04	RH	H	
MW-49B	150.0	6	OPEN HOLE	130-150	6/27/2005	T1	3.7E-04	RH	H	
					6/27/2005	T2	3.4E-04	RH	H	
MW-52B	110.0	6	OPEN HOLE	90-110	3/8/2005	T1	5.0E-05	RH	H	
MW-54B	123.0	6	OPEN HOLE	98-123	7/8/2005	T1	6.3E-05	RH	H	
					7/11/2005	T2	6.3E-05	RH	H	
MW-55B	100.0	6	OPEN HOLE	80-100	3/18/2005	T1	2.2E-04	RH	H	
					3/18/2005	T2	2.4E-04	RH	H	
					3/18/2005	T3	2.8E-04	RH	H	
MW-57B	70.0	6	OPEN HOLE	50-70	3/5/2005	T2	3.9E-04	RH	H	
					3/5/2005	T3	5.5E-04	RH	H	
MW-58B	108.0	6	OPEN HOLE	88-108	3/7/2005	T1	5.1E-05	RH	H	
MW-61B	98.0	6	OPEN HOLE	78-98	6/29/2005	T1	1.3E-05	RH	H	
					7/13/2005	T2	1.3E-05	RH	H	
MW-62B	109.0	6	OPEN HOLE	94-109	6/30/2005	T1	1.9E-04	RH	H	
MW-63B	100.0	6	OPEN HOLE	80-100	7/6/2005	T1	3.3E-04	RH	H	
					7/6/2005	T2	3.2E-04	RH	H	
MW-66B	85.0	6	OPEN HOLE	60-85	3/4/2005	T1	1.2E-04	RH	H	
					3/4/2005	T2	1.3E-04	RH	H	

Notes:
* Bore log not available for review
** Field data
*** Not Found
B-R - Bouwer & Rice (1976)
H - Hvorslev (1951)

TABLE 2.8.3.2
SUMMARY OF PACKER PERMEABILITY TESTS
STAGE III RFI/RI
GENERAL MOTORS LINDEN FACILITY
LINDEN, NEW JERSEY

Monitoring Well	Test Date	Depth Interval (ft)	Lugeon Value	Hydraulic Conductivity (cm/sec)	Notes
MW-9B	11/11/2004	39-44	4.58	4.39E-05	
	11/11/2004	44-49	8.34	8.00E-05	
	11/11/2004	49-54	1.63	1.57E-05	
	11/11/2004	54-59	0.16	1.55E-06	
	11/12/2004	59-64	0.06	5.53E-07	
	11/12/2004	64-69	0.05	5.12E-07	
	11/12/2004	69-74	0.07	6.69E-07	
	11/12/2004	74-79	0.03	2.56E-07	
	11/15/2004	79-84	7.38	7.08E-05	
	11/15/2004	84-89	1.26	1.20E-05	
	11/15/2004	89-94	1.39	1.33E-05	
	11/15/2004	94-99	0.04	3.55E-07	
MW-14W	11/30/2004	45-50	10.88	1.04E-04	
	11/30/2004	50-55	9.34	8.96E-05	
	11/30/2004	55-60	9.77	9.37E-05	
MW-23W	9/14/2004	32-37	18.2	1.75E-04	
	9/15/2004	37-42	6.47	6.21E-05	
MW-37B	1/13/2005	40-45	3.54	3.40E-05	
	1/13/2005	45-50	0.04	4.19E-07	
	1/13/2005	50-55	Low	Low	No take observed during test.
	1/17/2005	55-60	2.05	1.97E-05	
	1/17/2005	60-65	0.12	1.11E-06	
	1/17/2005	65-70	0.99	9.53E-06	
	1/18/2005	70-75	Low	Low	No take observed during test.
	1/18/2005	75-80	0.06	6.23E-07	
	1/18/2005	80-85	0.09	8.24E-07	
	1/19/2005	85-90	0.44	4.23E-06	
	1/19/2005	90-95	5.44	5.22E-05	
	1/19/2005	95-100	0.1	9.91E-07	
	1/20/2005	100-105	0.08	7.98E-07	
	1/20/2005	105-110	0.03	3.22E-07	
	1/20/2005	110-115	0.06	5.42E-07	
MW-40W	10/27/2004	34-39	13.04	1.25E-04	
	10/27/2004	39-44	13.18	1.26E-04	
MW-41W	8/17/2004	33-41	9.2	9.63E-05	
MW-42W	9/7/2004	35-40	14.7	1.41E-04	
	9/7/2004	35-45	2.15	2.45E-05	
MW-43W	11/5/2004	34-41	10.81	1.04E-04	
	11/5/2004	41-46	4.37	4.19E-05	
	11/5/2004	46-51	6.42	6.16E-05	
MW-43B	4/13/2005	55-60	17.61	1.69E-04	
	4/13/2005	60-65	3.71	3.56E-05	
	4/13/2005	65-70	18.19	1.75E-04	
	4/14/2005	70-75	13.63	1.31E-04	
	4/14/2005	75-80	5.73	5.50E-05	
	4/14/2005	80-85	4.07	3.91E-05	
	4/15/2005	85-90	0.37	3.57E-06	
	4/15/2005	90-95	1.15	1.11E-05	
	4/18/2005	95-100	5.22	5.01E-05	
	4/18/2005	100-105	19.95	1.91E-04	
	4/19/2005	105-110	8.79	8.43E-05	
	4/19/2005	110-115	0.44	4.18E-06	
	4/19/2005	115-120	5.44	5.22E-05	
	4/20/2005	120-125	0.1	9.41E-07	
	4/20/2005	125-130	0.1	9.59E-07	
	4/20/2005	130-135	0.06	5.57E-07	
	4/20/2005	135-140	8.53	8.19E-05	
	4/21/2005	140-145	0.37	3.59E-06	
	4/21/2005	145-150	0.52	5.01E-06	
	4/21/2005	150-155	0.33	3.19E-06	
	4/21/2005	155-160	0.54	5.23E-06	
	4/22/2005	160-165	0.24	2.28E-06	
	4/22/2005	165-170	1.29	1.24E-05	
	4/25/2005	170-175	0.46	4.40E-06	
	4/25/2005	175-180	0.63	6.04E-06	
	4/25/2005	180-185	4.51	4.33E-05	
	4/26/2005	185-190	1.84	1.77E-05	
	4/26/2005	190-195	3.17	3.04E-05	
	4/28/2005	195-200	1.84	1.76E-05	
	4/28/2005	200-205	0.69	6.59E-06	
	4/28/2005	205-210	0.23	2.22E-06	

TABLE 2.8.3.2
SUMMARY OF PACKER PERMEABILITY TESTS
STAGE III RFI/RI
GENERAL MOTORS LINDEN FACILITY
LINDEN, NEW JERSEY

Monitoring Well	Test Date	Depth Interval (ft)	Lugeon Value	Hydraulic Conductivity (cm/sec)	Notes
MW-44W	8/23/2004	35-40	16.6	1.59E-04	
	8/23/2004	40-45	9	8.63E-05	
	8/23/2004	45-50	3.74	3.59E-05	
MW-44B	2/14/2005	50-55	6.17	5.91E-05	
	2/14/2005	55-60	0.31	3.01E-06	
	2/14/2005	60-65	0.92	8.83E-06	
	2/14/2005	65-70	Low	Low	No take observed during test.
	2/15/2005	70-75	4.17	4.00E-05	
	2/16/2005	75-80	3.57	3.42E-05	
	2/16/2005	80-85	0.09	8.38E-07	
	2/16/2005	85-90	8.74	8.38E-05	
	2/16/2005	90-95	Low	Low	No take observed during test.
	2/17/2005	95-100	0.96	9.22E-06	
	2/17/2005	100-105	Low	Low	No take observed during test.
	2/17/2005	105-110	Low	Low	No take observed during test.
	2/18/2005	110-115	Low	Low	No take observed during test.
	2/18/2005	115-120	0.03	2.94E-07	
	2/18/2005	120-125	4.97	4.77E-05	
	2/18/2005	125-130	3.1	2.98E-05	
	2/21/2005	130-135	0.03	2.61E-07	
	2/21/2005	135-140	0.03	2.51E-07	
	2/21/2005	140-145	0.12	1.19E-06	
	2/22/2005	145-150	Low	Low	No take observed during test.
	2/22/2005	150-155	0.02	2.27E-07	
	2/22/2005	155-160	Low	Low	No take observed during test.
	2/22/2005	160-165	0.53	5.10E-06	
	2/23/2005	165-170	0.03	2.83E-07	
	2/23/2005	170-175	0.05	4.57E-07	
	2/23/2005	175-180	0.01	1.11E-07	
	2/23/2005	180-185	1.82	1.75E-05	
	2/24/2005	185-190	6.32	6.06E-05	
	2/24/2005	190-195	0.72	6.90E-06	
	2/24/2005	195-200	Low	Low	No take observed during test.
	2/25/2005	200-205	0.02	2.39E-07	
	2/28/2005	205-210	0.1	9.28E-07	
	2/28/2005	210-215	0.25	2.37E-06	
	2/28/2005	215-220	0.41	3.92E-06	
	3/1/2005	220-225	1.77	1.69E-05	
MW-45B	10/13/2004	55-60	0.02	2.38E-07	
	10/13/2004	60-65	10.97	1.05E-04	
	10/14/2004	65-70	4.3	4.12E-05	
	10/14/2004	70-75	3.09	2.97E-05	
	10/14/2004	75-80	9.02	8.65E-05	
	10/14/2004	80-85	6.46	6.20E-05	
	10/15/2004	85-90	1.3	1.25E-05	
MW-46W	10/1/2004	33-38	0.1	9.88E-07	
	10/1/2004	38-43	1.44	1.38E-05	
MW-47W	10/6/2004	32-37	10.98	1.11E-04	
	10/6/2004	37-42	9.86	9.46E-05	
	10/7/2004	42-47	4.55	4.37E-05	
MW-47B	3/21/2005	50-55	10	1.04E-04	
	3/21/2005	55-60	9.4	9.76E-05	
	3/21/2005	60-65	2.32	2.23E-05	
	3/22/2005	65-70	0.33	3.19E-06	
	3/22/2005	70-75	1.17	1.13E-05	
	3/23/2005	75-80	9.66	9.27E-05	
	3/25/2005	80-85	6.4	6.14E-05	
MW-48W	9/28/2004	33-38	0.85	8.14E-06	

TABLE 2.8.3.2
SUMMARY OF PACKER PERMEABILITY TESTS
STAGE III RFI/RI
GENERAL MOTORS LINDEN FACILITY
LINDEN, NEW JERSEY

Monitoring Well	Test Date	Depth Interval (ft)	Lugeon Value	Hydraulic Conductivity (cm/sec)	Notes
MW-49B	12/8/2004	35-40	11.91	1.14E-04	
	12/8/2004	40-45	2.82	2.70E-05	
	12/10/2004	45-50	6.09	5.84E-05	
	12/10/2004	50-55	0.98	9.37E-06	
	12/13/2004	55-60	0.05	5.01E-07	Minimal take observed during test.
	12/13/2004	60-65	0.21	1.97E-06	Minimal take observed during test.
	12/13/2004	65-70	0.21	2.04E-06	
	12/13/2004	70-75	0.07	6.68E-07	Minimal take observed during test.
	12/13/2004	75-80	1.09	1.04E-05	
	12/15/2004	80-85	0.6	5.79E-06	Minimal take observed during test.
	12/15/2004	85-90	0.06	5.46E-07	Minimal take observed during test.
	12/15/2004	90-95	0.08	7.36E-07	Minimal take observed during test.
	12/15/2004	95-100	0.07	6.50E-07	Minimal take observed during test.
	12/16/2004	100-105	0.03	3.20E-07	Minimal take observed during test.
	12/16/2004	105-110	0.82	7.87E-06	
	12/16/2004	110-115	0.03	3.07E-07	Minimal take observed during test.
	12/16/2004	115-120	6.54	6.27E-05	
	12/20/2004	120-125	2.72	2.61E-05	
	12/20/2004	125-130	NA	NA	No take observed during test.
	12/20/2004	130-135	6.08	5.84E-05	
	12/21/2004	135-140	0.06	5.52E-07	Minimal take observed during test.
	12/21/2004	140-145	2.63	2.52E-05	
	12/21/2004	145-150	0.05	4.69E-07	Minimal take observed during test.
	12/22/2004	150-155	2.39	2.29E-05	
MW-49BD	4/5/2005	150-155	0.98	9.42E-06	
	4/5/2005	155-160	0.75	7.15E-05	
	4/6/2005	160-165	0.86	8.20E-06	
	4/6/2005	165-170	0.37	3.58E-06	
	4/7/2005	170-175	0.99	9.50E-06	
	4/7/2005	175-180	2.32	2.22E-05	
	4/7/2005	180-185	2.89	2.77E-05	
	4/7/2005	185-190	2.41	2.32E-05	
	4/7/2005	190-195	1.33	1.28E-05	
	4/7/2005	195-200	1.48	1.42E-05	
	4/7/2005	200-205	1.18	1.14E-05	
	4/7/2005	205-210	1.26	1.20E-05	
	4/7/2005	210-215	0.84	8.06E-06	
	4/7/2005	215-220	0.56	5.40E-06	
	4/7/2005	220-225	0.54	5.16E-06	
	4/8/2005	225-230	0.75	7.15E-06	
	4/8/2005	230-235	1.54	1.47E-05	
	4/11/2005	235-240	0.34	3.31E-06	
	4/12/2005	240-245	0.07	6.27E-07	
MW-50B	2/14/2005	48-58	4.33	4.94E-05	
	2/14/2005	58-68	2.59	2.95E-05	
	2/14/2005	68-78	0.61	6.94E-06	
	2/15/2005	78-88	1.83	2.08E-05	
	2/15/2005	88-98	4.85	5.52E-05	
	2/15/2005	98-108	2.58	2.94E-05	
	2/15/2005	108-118	1.74	1.99E-05	
	2/15/2005	118-128	0.56	6.41E-06	
	2/15/2005	128-138	1.62	1.85E-05	
	2/11/2005	138-143	1.17	1.13E-05	
	2/16/2005	143-148	1.57	1.51E-05	
	2/16/2005	148-153	2.58	2.48E-05	
	2/17/2005	153-158	1.79	1.71E-05	
	2/17/2005	158-163	1.14	1.09E-05	
MW-52B	12/21/2004	49-54	33.31	3.20E-04	Possible leak in packer seal.
	12/21/2004	54-59	0.47	4.49E-06	
	12/22/2004	59-64	NA	NA	No take observed during test.
	12/22/2004	64-69	0.44	4.22E-06	
	12/22/2004	69-74	0.49	4.70E-06	
	12/22/2004	74-79	0.12	1.14E-06	
	12/23/2004	79-84	1.17	1.12E-05	
	12/23/2004	84-89	0.02	2.27E-07	
	12/27/2004	89-94	0.13	1.27E-06	
	12/27/2004	94-99	1.66	1.59E-05	
	12/27/2004	94-104	1.58	1.80E-05	Leak in packer seal from 99-104 ft.
	12/28/2004	104-109	1.22	1.17E-05	
	12/30/2004	109-114	15.38	1.48E-04	Possible leak in packer seal.
	1/3/2005	119-124	0.02	1.63E-07	
	1/3/2005	114-124	0.28	3.21E-06	
	1/3/2005	109-124	0.18	2.22E-06	

TABLE 2.8.3.2
SUMMARY OF PACKER PERMEABILITY TESTS
STAGE III RFI/RI
GENERAL MOTORS LINDEN FACILITY
LINDEN, NEW JERSEY

Monitoring Well	Test Date	Depth Interval (ft)	Lugeon Value	Hydraulic Conductivity (cm/sec)	Notes
MW-54B	2/24/2005	49-54	4.24	4.07E-05	
	2/24/2005	54-59	4.06	3.89E-05	
	2/24/2005	59-64	3.87	3.71E-05	
	2/24/2005	64-69	9.93	9.52E-05	
	2/25/2005	69-74	5.66	5.43E-05	
	2/25/2005	74-79	10.84	1.01E-04	
	3/2/2005	79-83	2.49	2.25E-05	
	3/3/2005	83-88	3.9	3.75E-05	
	3/3/2005	88-93	2.17	2.08E-05	
	3/3/2005	93-98	1.61	1.54E-05	
	3/4/2005	98-103	2.59	2.48E-05	
	3/4/2005	103-108	5.02	4.82E-05	
	3/4/2005	108-113	1.76	1.69E-05	
	3/4/2005	113-118	3.05	2.93E-05	
	3/7/2005	118-123	0.67	6.39E-06	
MW-57B	1/18/2005	32-38	0.48	4.87E-06	
	1/18/2005	38-43	9.27	8.89E-05	
	1/19/2005	43-48	0.1	9.88E-07	
	1/20/2005	48-53	0.67	6.42E-06	
	1/20/2005	52-58	2.77	2.79E-05	
	1/20/2005	58-63	1.39	1.33E-05	
	1/21/2005	63-68	0.17	1.66E-06	
	1/22/2005	68-73	0.62	5.96E-06	
	1/25/2005	73-78	0.65	6.28E-06	
MW-58B	2/18/2005	39-48	0.13	1.46E-06	
	2/18/2005	48-53	10.31	9.89E-05	
	2/22/2005	53-58	8.83	8.47E-05	
	2/22/2005	58-63	1.63	1.57E-05	
	2/22/2005	63-68	3.91	3.75E-05	
	2/22/2005	68-73	0.22	2.09E-06	
	2/23/2005	73-78	0.05	4.35E-07	
	2/23/2005	78-83	0.36	3.48E-06	
	2/23/2005	73-88	0.45	4.31E-06	
	2/23/2005	88-93	5.56	5.34E-05	
	2/24/2005	93-98	3.62	3.47E-05	
	2/24/2005	98-103	0.12	1.15E-06	
	2/25/2005	103-108	0.36	3.46E-06	
MW-59B	2/4/2005	52-57	0.84	8.04E-06	
	2/4/2005	57-62	0.35	3.36E-06	
	2/7/2005	62-67	0.67	6.45E-06	
	2/7/2005	67-72	0.05	4.94E-07	
	2/7/2005	72-77	0.05	4.61E-07	
	2/7/2005	77-82	0.08	7.86E-07	
	2/8/2005	82-87	0.11	1.08E-06	
	2/8/2005	87-92	2.63	2.52E-05	
	2/8/2005	92-97	2.24	2.15E-05	
	2/8/2005	97-102	0.05	4.61E-07	
	2/8/2005	102-107	0.07	6.58E-07	
MW-61B	3/10/2005	35-43	0	NA	No take observed during test.
	3/10/2005	43-48	18	1.73E-04	
	3/10/2005	48-53	16.14	1.55E-04	
	3/11/2005	53-58	0.17	1.61E-04	
	3/11/2005	58-63	0.73	6.96E-06	
	3/11/2005	63-68	0.58	5.55E-06	
	3/14/2005	68-73	0.07	6.89E-07	
	3/14/2005	73-78	0.02	1.82E-07	
	3/14/2005	78-83	1.32	1.27E-05	
	3/15/2005	83-88	0.06	6.22E-07	
	3/15/2005	88-93	0.79	7.56E-06	
	3/16/2005	93-98	1.03	9.86E-06	
	3/16/2005	98-103	0.02	1.98E-07	
	3/16/2005	103-108	0.25	2.41E-06	

TABLE 2.8.3.2
SUMMARY OF PACKER PERMEABILITY TESTS
STAGE III RFI/RI
GENERAL MOTORS LINDEN FACILITY
LINDEN, NEW JERSEY

Monitoring Well	Test Date	Depth Interval (ft)	Lugeon Value	Hydraulic Conductivity (cm/sec)	Notes
MW-62B	3/2/2005	36-43	0.44	4.55E-06	
	3/2/2005	43-49	0.31	3.15E-06	
	3/3/2005	49-54	0.13	1.21E-06	
	3/3/2005	54-59	14.48	1.39E-04	
	3/3/2005	59-64	7.86	7.54E-05	
	3/3/2005	64-69	0.89	8.56E-06	
	3/4/2005	69-74	0.07	6.37E-07	
	3/4/2005	74-79	0.02	2.13E-07	
	3/4/2005	79-84	0.09	8.38E-07	
	3/7/2005	84-89	0.12	1.19E-06	
	3/7/2005	89-94	0.04	3.74E-07	
	3/7/2005	94-99	0.24	2.33E-06	
	3/7/2005	99-104	4.07	3.90E-05	
	3/8/2005	104-109	0.35	3.32E-06	
MW-63B	3/11/2005	30-43	0.26	3.17E-06	
	3/11/2005	43-48	0.26	2.51E-06	
	3/11/2005	48-53	12.29	1.18E-04	
	3/11/2005	53-58	0.09	8.59E-07	
	3/14/2005	58-63	0.11	1.04E-06	
	3/14/2005	63-68	1.07	1.03E-05	
	3/14/2005	68-73	0.33	3.17E-06	
	3/14/2005	73-78	0.16	1.57E-06	
	3/14/2005	78-83	0.24	2.26E-06	
	3/14/2005	83-88	13.04	1.25E-04	
	3/14/2005	88-93	1.01	9.71E-06	
	3/15/2005	93-98	9.7	9.31E-05	
	3/15/2005	98-103	1.01	9.68E-06	
	3/15/2005	103-108	0.92	8.79E-06	
	3/15/2005	108-113	1.12	1.08E-05	
MW-66B	2/2/2005	35-40	5.53	5.31E-05	
	2/2/2005	40-45	2.58	2.48E-05	
	2/2/2005	45-50	1.25	1.20E-05	
	2/2/2005	50-55	1.72	1.65E-05	
	2/2/2005	55-60	NA	NA	No take observed during test.
	2/3/2005	60-65	0.24	2.32E-06	
	2/3/2005	65-70	8.17	7.84E-05	
	2/3/2005	70-75	4.83	4.63E-05	
	2/3/2005	75-80	NA	NA	No take observed during test.
	2/3/2005	80-85	NA	NA	No take observed during test.
MW-67W	3/17/2005	33-38	13.01	1.25E-04	
	3/17/2005	38-43	17.7	1.70E-04	
	3/18/2005	43-48	19.11	1.83E-04	
	3/18/2005	48-53	16.87	1.62E-04	
MW-68W	3/24/2005	35-43	1.09	1.18E-05	
	3/24/2005	43-48	9.4	9.01E-05	
	3/24/2005	48-53	2.27	2.18E-05	
MW-69W	3/31/2005	38-45	10.24	1.07E-04	
	3/31/2005	45-50	17.49	1.68E-04	
	3/31/2005	50-55	7.98	7.66E-05	

NOTE:
1. Lugeon value calculation based on "Routine Interpretation of the Lugeon Water Test", A. C. Houlsby, 1976
2. Draft - subject to revision.

Table 2.9.2
Well Record Search
General Motors Linden Assembly Plant
Linden, New Jersey

Bell Well Search	Location ID	Well Owner	Well Location	Atlas Sheet Coordinates	Permit Number	Total Depth (ft)	Casing Depth (ft)	Screen Length (ft)	Static Water Level Before Pumping (ft bgs)	Well Use	Installation Date	Abandonment Date	Comments
Yes	3	Apex Rendezvous, Inc.	1135 West Elizabeth Ave. Linden	26.31.324	26-4446	440	50		25	Domestic	2/18/1972		
	6	Chereuko, Mr. Joseph	401 East Scott Ave. Rahway	26.31.348	26-1629	119	48		18	Domestic	5/29/1957		Address does not exist. According to Rahway Municipal: never did
	10	G. & L. Tool Company	1167 Roosevelt Ave. Carteret	26.31.338	26-4053	165	54.5		30	Domestic	1/25/1967		Well location and atlas location fall outside the one-mile search radius
Yes	13	Kalla, Mr. Al	30 West Elm St. Linden	26.31.326	26-4347	245	40		10	Domestic	8/26/1970		
Yes	**19**	**Melenchuk, Mr. Walter**	**828 Smith St. Linden**	**26.31.349**	**26-530**	**96**	**40**		**12**	**Domestic**	**8/2/1952**	**5/Jan/00**	**Merck & Co., Inc. Quarterly Remediation Report 3/28/2000**
Yes	22	Pezzuto, Mr. Vincent	108 West Elm St. Linden	26.31.328	26-5015	225	50		30	Domestic	4/8/1981		
	25	Segalla, Mr. John	U.S. #1 Diner Rt #1 Linden	26.31.325	26-2035	485	80		30	Domestic	9/20/1959		
	30	Walsh, Mr. Carl	Jensen Ave. Woodbridge	26.21.375	26-521	93	20		25	Domestic	7/12/1952		Well location and atlas location fall outside the one-mile search radius
	31	Hanuschik, Mr. & Mrs. Paul & Joyce	42 Hogback Rd. Bordentown Twp	28.31.322	28-44887	114	104	10	47	Domestic	9/15/1999		Included in well record search, but incorrect atlas location
Yes	1	Airline Food Corporation	1130 West Elizabeth Ave. Linden	26.31.318	26-120	266	42	225	25	Industrial	8/23/1949		
Yes	4	Automatic Injection Molding	315 Cantor Ave. Linden	26.31.317	26-4117	250	28.75	--	34	Industrial	11/1/1967		
Yes	8	Delta Knit Finishers	362 Cantor Ave. Linden	26.31.263	26-4447	359	41		50	Industrial	2/16/1972		Injection Molding Cooling ('77). DEP ('94) Requested abandonment. No followup available
Yes	15	Linden Ice Co.	18 Donaldson Pl. Linden	26.31.315	26-1979	550	40		19	Industrial	3/31/1959		
	16	Linden Lumber Co.	Linden Ave. Linden	26.31.324	26-1987	278			18	Industrial	4/15/1959		
	17	M & E Properties LLC	1427 South Wood Ave. Linden	26.31.338	26-55225	200	48	152	25	Industrial	10/13/1999		
Yes	**21**	**Pacific Airmotive Corp.**	**Linden Airport Linden**	**26.31.355**	**26-174**	**300**	**31**		**5**	**Industrial**	**4/30/1950**	**22/Feb/01**	**Abandoned; Linden health Department record.**
	27	Smith & Kanzler Co.	1414 East Linden Ave. Linden	26.31.372	26-2969	360	27		8	Industrial	3/8/1965		Well location and atlas location fall outside the one-mile search radius
	11b	General Gummed Products	531 North Stiles St. Linden	26.31.317	26-1599	310			15	Industrial	3/13/1957		DEP (1994) requested well be abandoned. No follow up available
	23b	**Quinn & Boden Company, Inc.**	**1905 Elizabeth Ave. Rahway**	**26.31.266**		**357**	**137**	**--**	**47**	**Industrial**	**3/16/1966**	**Abandoned**	**Merck & Co., Inc. Corrective Measures Study Rahway Plant Volume I Table A-4 Survey Results of Properties Not Receiving Water Bills and Well Use Questionnaires**
	24	Safty Kleen Corp.	1200 Sylvan St. Linden	26.31.364	26-32687	45	28	17	10	Injection	2/26/1993		
	9a	Dock Resins Corp.	1512 West Elizabeth Ave. Linden	26.31.341	26-48058	6	3	3	Not taken	Injection	7/22/1997		
	11a	General Gum Products Co.	531 North Stiles St. Linden	26.31.317	26-757	316	39.75		16	Private	10/21/1953		Undefined well use identification
Yes	2	Ancet Realty Corp.	1539 West Elizabeth Ave. Linden	26.31.319	26-9241	3	--	50	2.54	Recovery	7/17/1986		Unconfirmed/conflicting well construction
	26	Siemens Energy & Automati	1600 Route 1 Linden	26.31.334	26-33299	12	2	10	5	Recovery	5/6/1993		
	18a	Merck & Co., Inc.	126 East Lincoln Ave. Rahway	26.31.327	26-51213	29	19	10	8	Recovery	7/13/1998		
	18b	Merck & Co., Inc.	126 East Lincoln Ave. Rahway	26.31.327	26-51214	26	16	10	6	Recovery	7/19/1998		
	18c	Merck & Co., Inc.	126 East Lincoln Ave. Rahway	26.31.324	26-52259	18	6	12	9	Recovery	12/28/1998		
	18d	Merck & Co., Inc.	126 East Lincoln Ave. Rahway	26.31.324	26-52260	19	7	12	9	Recovery	12/29/1998		
	18e	Merck & Co., Inc.	126 East Lincoln Ave. Rahway	26.31.327	26-63157	252	170	82	13	Recovery	3/30/1999		
	29a	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36682	15	1	14	5	Recovery	4/20/1994		
	29b	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36683	16	1	15	5	Recovery	4/20/1994		
	29c	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36684	16	1	15	5	Recovery	4/20/1994		
	29d	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36685	16	1	15	5	Recovery	4/20/1994		
	29e	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36686	15	2	13	5	Recovery	5/16/1994		
	29f	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36687	15	2	13	5	Recovery	5/16/1994		
	29g	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36688	15	2	13	5	Recovery	5/16/1994		
	29h	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36689	15	2	13	5	Recovery	5/16/1994		
	29i	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36690	15	2	13	5	Recovery	5/16/1994		
	29j	Sun Company Inc.	Route 1 and Stiles St. Linden	26.31.361	26-36691	15	2	13	5	Recovery	5/16/1994		
	5a	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-29283	7	1	6	3	Recovery	4/30/1992		
	5aa	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38873	15.5	0.5	15	1.2	Recovery	5/11/1995		
	5ab	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38874	14	4	10	6.1	Recovery	5/11/1995		
	5ac	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38875	13	3	10	6.2	Recovery	5/11/1995		
	5ad	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38865	11	1	10	2.1	Recovery	6/18/1995		
	5b	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-29370	12	2	10	8-10	Recovery	5/11/1992		
	5c	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-33144	12	2	10	5	Recovery	4/14/1993		
	5d	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-33146	13	2	11	5	Recovery	4/14/1993		
	5e	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-33145	9	1.5	7.5	5	Recovery	4/15/1993		
	5f	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35138	10	4	6	6	Recovery	11/18/1993		
	5g	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35139	10	4	6	6	Recovery	11/18/1993		
	5h	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35140	10	4	6	6	Recovery	11/18/1993		
	5i	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35141	10	4	6	6	Recovery	11/18/1993		
	5j	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35142	10	4	6	6	Recovery	11/18/1993		
	5k	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35167	10	4	6	6	Recovery	11/18/1993		
	5l	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35168	10	4	6	6	Recovery	11/18/1993		
	5m	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35169	10	4	6	6	Recovery	11/18/1993		
	5n	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35170	10	4	6	6	Recovery	11/18/1993		
	5o	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35171	10	4	6	6	Recovery	11/18/1993		
	5p	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35183	10	4	6	6	Recovery	11/18/1993		
	5q	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35184	10	4	6	6	Recovery	11/18/1993		
	5r	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35185	10	4	6	6	Recovery	11/18/1993		
	5s	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-35186	10	4	6	6	Recovery	11/18/1993		

Table 2.9.2
Well Record Search
General Motors Linden Assembly Plant
Linden, New Jersey

Bell Well Search	Location ID	Well Owner	Well Location	Atlas Sheet Coordinates	Permit Number	Total Depth (ft)	Casing Depth (ft)	Screen Length (ft)	Static Water Level Before Pumping (ft bgs)	Well Use	Installation Date	Abandonment Date	Comments
	5t	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.366	26-37427	5.5	0.5	5	0.5	Recovery	7/26/1994		
	5u	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-40504	11	1	10	Not taken	Recovery	4/25/1995		
	5v	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-40505	12	2	10	Not taken	Recovery	4/25/1995		
	5w	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38869	15	5	10	7.5	Recovery	5/11/1995		
	5x	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38870	13.5	3.5	10	9.2	Recovery	5/11/1995		
	5y	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38871	6	1	5	1.2	Recovery	5/11/1995		
	5z	Buckeye Pipeline Company	2650 Marshes Dock Rd. Linden	26.31.368	26-38872	6	1	5	1.7	Recovery	5/11/1995		
	7a	Consolidated Rail Corp.	600 West Linden Ave. Linden	26.31.319	26-45886	15	5	10	6.5	Recovery	10/9/1996		
	7b	Consolidated Rail Corp.	600 West Linden Ave. Linden	26.31.319	26-45887	19	4	15	6	Recovery	10/9/1996		
	7c	Consolidated Rail Corp.	600 West Linden Ave. Linden	26.31.319	26-45888	15	5	10	6	Recovery	10/10/1996		
	9b	Dock Resins Corp.	1512 West Elizabeth Ave. Linden	26.31.342	26-62593	3.5	1.5	2	3	Recovery	10/17/2001		
	9c	Dock Resins Corp.	1512 West Elizabeth Ave. Linden	26.31.342	26-62594	2.5	1	1.5	2	Recovery	10/17/2001		
	9d	Dock Resins Corp.	1512 West Elizabeth Ave. Linden	26.31.342	26-62595	11.5	10.5	1	10	Recovery	10/18/2001		
	9e	Dock Resins Corp.	1512 West Elizabeth Ave. Linden	26.31.342	26-62596	13.5	10.5	3	10	Recovery	10/18/2001		
	12	Hatfield Wire & Cable Co.	Linden	26.31.239	26-1933	356	45.75		11	Test	4/18/1959		
Yes	**14**	**Layne New York Co.**	**1250 West Elizabeth Ave. Linden**	**26.31.342**	**26-1124**	**308**	**36**		**20**	**Test**	**2/8/1955**	**9/13/1960**	**Hand written on Well Record**
Yes	20	Orange Plastics	315 Cantor Ave. Linden	26.31.263	26-4736	330	51.75		70-80		3/22/1978		
	28	Speed-E-Clean	1400 East St. George Ave. Linden	26.31.384	26-4899	300	50	20	50		10/1/1980		Well location and atlas location fall outside the one-mile search radius
	23a	**Quinn & Boden Company, Inc.**	**1905 Elizabeth Ave. Rahway**	**26.31.266**	**26-3761**	**35.5**	**35**				**12/27/1944**	**Abandoned**	**Merck & Co., Inc. Corrective Measures Study Rahway Plant Volume I Table A-4 Survey Results of Properties Not Receiving Water Bills and Well Use Questionnaires**

Notes:

	Known anomaly
	Information unavailable
Bold	Known abandoned well

Table 3.2.1: Overburden Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria	Construction GCC (mg/L)	Ratio of Max Detect to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Max Detect to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Max Detect to Residential VI Criteria
Off-Site	AOI16	VOC	cis-1,2-Dichloroethene	156-59-2	D	4	3	8.00E-04	3.20E-03	7.00E-02	FM	4.6E-02	2.11E+01	1.5E-04	4.21E+06	7.6E-10	1.62E+02	2.0E-05
Off-Site	AOI16	VOC	Methyl Acetate	79-20-9		4	1	3.40E-03	3.40E-03	3.65E+01	NC	9.3E-05	4.33E+03	7.9E-07	9.67E+07	3.5E-11	5.63E+05	6.0E-09
Off-Site	AOI16	VOC	Methyl tert-butyl ether	1634-04-4		4	4	1.10E-03	5.50E-03	3.74E-01	C	1.5E-02	2.09E+03	2.6E-06	4.97E+06	1.1E-09	7.99E+04	6.9E-08
Off-Site	AOI16	VOC	Trichloroethene	79-01-6	C-B2	4	4	1.10E-03	3.70E-03	5.00E-03	FM	7.4E-01	2.50E+01	1.5E-04	1.55E+06	2.4E-09	3.19E+01	1.2E-04
Off-Site	AOI16	INORG	Arsenic	7440-38-2	A	4	4	9.80E-03	2.57E-02	1.00E-02	FM	**2.6E+00**	1.44E+01	1.8E-03				
Off-Site	AOI16	INORG	Barium	7440-39-3	D	4	4	1.91E-01	3.76E-01	2.00E+00	FM	1.9E-01	3.43E+03	1.1E-04				
Off-Site	AOI16	INORG	Cadmium	7440-43-9	B1	4	4	1.70E-04	5.90E-04	5.00E-03	FM	1.2E-01	1.80E+01	3.3E-05				
Off-Site	AOI16	INORG	Cobalt	7440-48-4	B1	4	4	1.20E-03	2.30E-03	7.30E-01	NC	3.2E-03	8.09E+03	2.8E-07				
Off-Site	AOI16	INORG	Manganese	7439-96-5	D	4	4	2.60E+00	3.82E+00	8.76E-01	NC	**4.4E+00**	5.96E+03	6.4E-04				
Off-Site	AOI16	INORG	Nickel	7440-02-0	A	4	4	2.70E-03	3.20E-03	7.30E-01	NC	4.4E-03	2.38E+03	1.3E-06				
Off-Site	AOI16	INORG	Selenium	7782-49-2	D	4	4	1.50E-03	2.00E-03	5.00E-02	FM	4.0E-02	1.54E+03	1.3E-06				
Off-Site	AOI16	INORG	Vanadium	7440-62-2		4	2	5.20E-04	5.20E-04	3.65E-02	NC	1.4E-02	1.94E+01	2.7E-05				
Off-Site	AOI16	INORG	Zinc	7440-66-6	D	4	1	1.11E-02	1.11E-02	1.10E+01	NC	1.0E-03	1.10E+05	1.0E-07				
Off-Site	General	VOC	Acetone	67-64-1	ID	9	1	1.10E-02	1.10E-02	3.29E+01	NC	3.3E-04	6.26E+03	1.8E-06	8.58E+08	1.3E-11	1.17E+06	9.4E-09
Off-Site	General	VOC	Carbon Tetrachloride	56-23-5	B2	9	2	8.00E-04	5.90E-02	5.00E-03	FM	**1.2E+01**	2.93E+00	2.0E-02	9.96E+04	5.9E-07	1.81E+00	3.3E-02
Off-Site	General	VOC	Chlorobenzene	108-90-7	D	9	1	8.00E-04	8.00E-04	1.00E-01	FM	8.0E-03	3.65E+01	2.2E-05	2.13E+06	3.8E-10	3.14E+02	2.5E-06
Off-Site	General	VOC	Chloroform	67-66-3	B2	9	2	1.00E-03	4.10E-02	8.00E-02	FM	5.1E-01	2.11E+00	1.9E-02	2.75E+05	1.5E-07	5.09E+00	8.0E-03
Off-Site	General	VOC	cis-1,2-Dichloroethene	156-59-2	D	10	1	6.00E-04	6.00E-04	7.00E-02	FM	8.6E-03	2.11E+01	2.8E-05	4.21E+06	1.4E-10	1.62E+02	3.7E-06
Off-Site	General	VOC	Methyl tert-butyl ether	1634-04-4		10	2	6.00E-04	1.60E-03	3.74E-01	C	4.3E-03	2.09E+03	7.7E-07	4.97E+06	3.2E-10	7.99E+04	2.0E-08
Off-Site	General	VOC	Tetrachloroethene	127-18-4	C-B2	9	1	6.00E-04	6.00E-04	5.00E-03	FM	1.2E-01	1.33E+01	4.5E-05	1.48E+06	4.1E-10	1.25E+01	4.8E-05
Off-Site	General	VOC	Trichloroethene	79-01-6	C-B2	10	2	1.10E-03	1.30E-03	5.00E-03	FM	2.6E-01	2.50E+01	5.2E-05	1.55E+06	8.4E-10	3.19E+01	4.1E-05
Off-Site	General	INORG	Antimony	7440-36-0		9	1	2.00E-04	2.00E-04	6.00E-03	FM	3.3E-02	3.79E+01	5.3E-06				
Off-Site	General	INORG	Arsenic	7440-38-2	A	9	7	5.10E-04	1.40E-03	1.00E-02	FM	1.4E-01	1.44E+01	9.7E-05				
Off-Site	General	INORG	Barium	7440-39-3	D	9	9	6.29E-02	2.50E-01	2.00E+00	FM	1.3E-01	3.43E+03	7.3E-05				
Off-Site	General	INORG	Cadmium	7440-43-9	B1	9	7	1.50E-04	7.50E-04	5.00E-03	FM	1.5E-01	1.80E+01	4.2E-05				
Off-Site	General	INORG	Chromium (total)	7440-47-3		9	3	1.60E-04	2.80E-04	1.00E-01	FM	2.8E-03	2.85E+01	9.8E-06				
Off-Site	General	INORG	Cobalt	7440-48-4	B1	9	9	1.80E-04	3.10E-03	7.30E-01	NC	4.2E-03	8.09E+03	3.8E-07				
Off-Site	General	INORG	Copper	7440-50-8	D	9	5	7.70E-04	4.80E-03	1.30E+00	FM	3.7E-03	1.23E+04	3.9E-07				
Off-Site	General	INORG	Lead	7439-92-1	B2	9	6	1.60E-04	4.40E-03	1.50E-02	FM	2.9E-01						
Off-Site	General	INORG	Manganese	7439-96-5	D	9	9	3.25E-02	9.03E+00	8.76E-01	NC	**1.0E+01**	5.96E+03	1.5E-03				
Off-Site	General	INORG	Nickel	7440-02-0	A	9	9	1.70E-03	3.51E-02	7.30E-01	NC	4.8E-02	2.38E+03	1.5E-05				
Off-Site	General	INORG	Selenium	7782-49-2	D	9	6	9.30E-04	2.60E-03	5.00E-02	FM	5.2E-02	1.54E+03	1.7E-06				
Off-Site	General	INORG	Thallium	7440-28-0		9	1	3.50E-05	3.50E-05	2.00E-03	FM	1.8E-02	2.15E+01	1.6E-06				
Off-Site	General	INORG	Vanadium	7440-62-2		9	3	4.50E-04	9.70E-04	3.65E-02	NC	2.7E-02	1.94E+01	5.0E-05				
Off-Site	General	INORG	Zinc	7440-66-6	D	9	5	1.35E-02	2.24E-01	1.10E+01	NC	2.0E-02	1.10E+05	2.0E-06				
On-Site	AOI01	VOC	Methyl Acetate	79-20-9		2	1	2.00E-01	2.00E-01	3.65E+01	NC	5.5E-03	4.33E+03	4.6E-05	9.67E+07	2.1E-09	5.63E+05	3.6E-07
On-Site	AOI01	INORG	Antimony	7440-36-0		2	1	1.20E-03	1.20E-03	6.00E-03	FM	2.0E-01	3.79E+01	3.2E-05				
On-Site	AOI01	INORG	Arsenic	7440-38-2	A	2	2	9.50E-04	1.20E-03	1.00E-02	FM	1.2E-01	1.44E+01	8.4E-05				
On-Site	AOI01	INORG	Barium	7440-39-3	D	2	2	4.88E-02	2.67E-01	2.00E+00	FM	1.3E-01	3.43E+03	7.8E-05				
On-Site	AOI01	INORG	Cadmium	7440-43-9	B1	2	2	1.25E-02	1.96E-02	5.00E-03	FM	**3.9E+00**	1.80E+01	1.1E-03				
On-Site	AOI01	INORG	Chromium (total)	7440-47-3		2	1	2.10E-03	2.10E-03	1.00E-01	FM	2.1E-02	2.85E+01	7.4E-05				
On-Site	AOI01	INORG	Cobalt	7440-48-4	B1	2	2	8.00E-04	9.90E-04	7.30E-01	NC	1.4E-03	8.09E+03	1.2E-07				
On-Site	AOI01	INORG	Copper	7440-50-8	D	2	1	1.23E-02	1.23E-02	1.30E+00	FM	9.5E-03	1.23E+04	1.0E-06				
On-Site	AOI01	INORG	Lead	7439-92-1	B2	2	2	2.30E-03	8.80E-03	1.50E-02	FM	5.9E-01						
On-Site	AOI01	INORG	Manganese	7439-96-5	D	2	2	1.14E-01	6.52E-01	8.76E-01	NC	7.4E-01	5.96E+03	1.1E-04				
On-Site	AOI01	INORG	Nickel	7440-02-0	A	2	2	4.70E-03	5.50E-03	7.30E-01	NC	7.5E-03	2.38E+03	2.3E-06				
On-Site	AOI01	INORG	Selenium	7782-49-2	D	2	2	8.50E-04	9.90E-04	5.00E-02	FM	2.0E-02	1.54E+03	6.4E-07				
On-Site	AOI01	INORG	Vanadium	7440-62-2		2	2	8.00E-04	4.20E-03	3.65E-02	NC	1.2E-01	1.94E+01	2.2E-04				
On-Site	AOI01	INORG	Zinc	7440-66-6	D	2	1	5.56E-02	5.56E-02	1.10E+01	NC	5.1E-03	1.10E+05	5.1E-07				
On-Site	AOI03	VOC	Acetone	67-64-1	ID	8	2	1.70E-02	1.20E-01	3.29E+01	NC	3.7E-03	6.26E+03	1.9E-05	8.58E+08	1.4E-10	1.17E+06	1.0E-07
On-Site	AOI03	VOC	Chloroform	67-66-3	B2	8	2	7.00E-04	9.00E-04	8.00E-02	FM	1.1E-02	2.11E+00	4.3E-04	2.75E+05	3.3E-09	5.09E+00	1.8E-04
On-Site	AOI03	VOC	1,2-Dichlorobenzene	95-50-1	D	8	3	1.20E-03	1.80E-03	6.00E-01	FM	3.0E-03	1.35E+02	1.3E-05	1.59E+06	1.1E-09	1.88E+03	9.6E-07
On-Site	AOI03	VOC	1,1-Dichloroethane	75-34-3	C	8	2	1.10E-03	1.50E-03	3.65E+00	NC	4.1E-04	3.06E+02	4.9E-06	1.70E+06	8.8E-10	1.80E+03	8.3E-07
On-Site	AOI03	VOC	cis-1,2-Dichloroethene	156-59-2	D	8	2	5.00E-04	1.10E-03	7.00E-02	FM	1.6E-02	2.11E+01	5.2E-05	4.21E+06	2.6E-10	1.62E+02	6.8E-06

Table 3.2.1: Overburden Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria	Construction GCC (mg/L)	Ratio of Max Detect to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Max Detect to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Max Detect to Residential VI Criteria
On-Site	AOI03	VOC	Toluene	108-88-3	D	8	1	1.20E-01	1.20E-01	1.00E+00	FM	1.2E-01	2.26E+02	5.3E-04	2.92E+06	4.1E-08	1.29E+03	9.3E-05
On-Site	AOI03	VOC	Trichloroethene	79-01-6	C-B2	8	4	3.00E-04	2.40E-03	5.00E-03	FM	4.8E-01	2.50E+01	9.6E-05	1.55E+06	1.5E-09	3.19E+01	7.5E-05
On-Site	AOI03	INORG	Antimony	7440-36-0		7	1	3.40E-04	3.40E-04	6.00E-03	FM	5.7E-02	3.79E+01	9.0E-06				
On-Site	AOI03	INORG	Arsenic	7440-38-2	A	7	7	6.40E-04	1.80E-03	1.00E-02	FM	1.8E-01	1.44E+01	1.3E-04				
On-Site	AOI03	INORG	Barium	7440-39-3	D	7	7	3.03E-02	1.33E-01	2.00E+00	FM	6.7E-02	3.43E+03	3.9E-05				
On-Site	AOI03	INORG	Cadmium	7440-43-9	B1	7	5	2.30E-04	6.90E-04	5.00E-03	FM	1.4E-01	1.80E+01	3.8E-05				
On-Site	AOI03	INORG	Chromium (total)	7440-47-3		7	1	1.90E-04	1.90E-04	1.00E-01	FM	1.9E-03	2.85E+01	6.7E-06				
On-Site	AOI03	INORG	Cobalt	7440-48-4	B1	7	7	1.10E-03	5.80E-03	7.30E-01	NC	7.9E-03	8.09E+03	2.8E-07				
On-Site	AOI03	INORG	Copper	7440-50-8	D	7	1	1.21E-02	1.21E-02	1.30E+00	FM	9.3E-03	1.23E+04	9.8E-07				
On-Site	AOI03	INORG	Lead	7439-92-1	B2	7	2	2.20E-04	3.50E-04	1.50E-02	FM	2.3E-02						
On-Site	AOI03	INORG	Manganese	7439-96-5	D	7	7	4.09E-01	1.45E+01	8.76E-01	NC	**1.7E+01**	5.96E+03	2.4E-03				
On-Site	AOI03	INORG	Nickel	7440-02-0	A	7	7	3.50E-03	1.11E-02	7.30E-01	NC	1.5E-02	2.38E+03	4.7E-06				
On-Site	AOI03	INORG	Selenium	7782-49-2	D	7	7	1.00E-03	2.20E-03	5.00E-02	FM	4.4E-02	1.54E+03	1.4E-06				
On-Site	AOI03	INORG	Vanadium	7440-62-2		7	5	9.70E-04	2.70E-03	3.65E-02	NC	7.4E-02	1.94E+01	1.4E-04				
On-Site	AOI03	INORG	Zinc	7440-66-6	D	7	2	2.76E-02	4.43E-02	1.10E+01	NC	4.0E-03	1.10E+05	4.0E-07				
On-Site	AOI06	VOC	Acetone	67-64-1	ID	27	3	5.60E-03	3.70E-02	3.29E+01	NC	1.1E-03	6.26E+03	5.9E-06	8.58E+08	4.3E-11	1.17E+06	3.2E-08
On-Site	AOI06	VOC	Benzene	71-43-2	A	27	20	2.00E-04	3.50E-02	5.00E-03	FM	**7.0E+00**	4.53E+00	7.7E-03	1.35E+04	2.6E-06	1.08E+01	3.2E-03
On-Site	AOI06	VOC	Bromodichloromethane	75-27-4	B2	27	1	3.90E-03	3.90E-03	8.00E-02	FM	4.9E-02	3.20E+00	1.2E-03			1.48E+01	2.6E-04
On-Site	AOI06	VOC	Carbon Disulfide	75-15-0		27	4	3.00E-04	1.20E-03	3.65E+00	NC	3.3E-04	3.49E+02	3.4E-06	4.37E+04	2.7E-08	7.38E+02	1.6E-06
On-Site	AOI06	VOC	Carbon Tetrachloride	56-23-5	B2	27	2	6.00E-04	6.00E-04	5.00E-03	FM	1.2E-01	2.93E+00	2.0E-04	9.96E+04	6.0E-09	1.81E+00	3.3E-04
On-Site	AOI06	VOC	Chlorobenzene	108-90-7	D	27	16	2.00E-04	1.10E-01	1.00E-01	FM	**1.1E+00**	3.65E+01	3.0E-03	2.13E+06	5.2E-08	3.14E+02	3.5E-04
On-Site	AOI06	VOC	Chloroethane	75-00-3		27	1	3.80E-03	3.80E-03	1.46E+01	NC	2.6E-04	2.09E+03	1.8E-06	6.39E+06	5.9E-10	2.19E+04	1.7E-07
On-Site	AOI06	VOC	Chloroform	67-66-3	B2	27	9	6.00E-04	1.20E-02	8.00E-02	FM	1.5E-01	2.11E+00	5.7E-03	2.75E+05	4.4E-08	5.09E+00	2.4E-03
On-Site	AOI06	VOC	Cumene	98-82-8	D	27	8	4.00E-04	2.80E-03	3.65E+00	NC	7.7E-04	2.01E+02	1.4E-05	1.28E+05	2.2E-08	1.37E+02	2.0E-05
On-Site	AOI06	VOC	Cyclohexane	110-82-7	ID	27	9	8.00E-04	1.20E-02	6.21E+01	NC	1.9E-04	3.39E+03	3.5E-06	7.44E+05	1.6E-08	2.84E+03	4.2E-06
On-Site	AOI06	VOC	Dibromochloromethane	124-48-1	C	27	1	9.00E-04	9.00E-04	8.00E-02	FM	1.1E-02	2.83E+00	3.2E-04			2.11E+01	4.3E-05
On-Site	AOI06	VOC	1,2-Dichlorobenzene	95-50-1	D	27	15	2.00E-04	4.80E-02	6.00E-01	FM	8.0E-02	1.35E+02	3.6E-04	1.59E+06	3.0E-08	1.88E+03	2.5E-05
On-Site	AOI06	VOC	1,4-Dichlorobenzene	106-46-7	C	27	5	4.00E-04	1.70E-03	7.50E-02	FM	2.3E-02	6.78E+00	2.5E-04	3.91E+06	4.4E-10	2.83E+01	6.0E-05
On-Site	AOI06	VOC	Dichlorodifluoromethane	75-71-8		27	3	1.30E-03	2.50E-03	7.30E+00	NC	3.4E-04	1.34E+02	1.9E-05	3.22E+06	7.8E-10	8.55E+01	2.9E-05
On-Site	AOI06	VOC	1,1-Dichloroethane	75-34-3	C	27	19	5.00E-04	3.40E-02	3.65E+00	NC	9.3E-03	3.06E+02	1.1E-04	1.70E+06	2.0E-08	1.80E+03	1.9E-05
On-Site	AOI06	VOC	1,2-Dichloroethane	107-06-2	B2	27	8	2.80E-03	4.80E-02	5.00E-03	FM	**9.6E+00**	1.81E+00	2.7E-02	6.92E+05	6.9E-08	1.47E+01	3.3E-03
On-Site	AOI06	VOC	1,1-Dichloroethene	75-35-4	C	27	10	4.00E-04	8.50E-03	7.00E-03	FM	**1.2E+00**	1.16E+02	7.4E-05	3.05E+04	2.8E-07	2.33E+02	3.7E-05
On-Site	AOI06	VOC	cis-1,2-Dichloroethene	156-59-2	D	27	20		01	7.00E-02	FM	**1.6E+00**	2.11E+01	5.2E-03	4.21E+06	2.6E-08	1.62E+02	6.8E-04
On-Site	AOI06	VOC	trans-1,2-Dichloroethene	156-60-5		27	8	6.00E-04	2.40E-02	1.00E-01	FM	2.4E-01	3.52E+01	6.8E-04	2.27E+06	1.1E-08	1.40E+02	1.7E-04
On-Site	AOI06	VOC	Ethyl Benzene	100-41-4	D	27	8	4.00E-04	6.80E-03	7.00E-01	FM	9.7E-03	4.18E+02	1.6E-05	1.60E+06	4.3E-09	2.97E+03	2.3E-06
On-Site	AOI06	VOC	Methyl Acetate	79-20-9		27	2	2.20E-02	4.50E-02	3.65E+01	NC	1.2E-03	4.33E+03	1.0E-05	9.67E+07	4.7E-10	5.63E+05	8.0E-08
On-Site	AOI06	VOC	Methyl tert-butyl ether	1634-04-4		27	13	3.00E-04	6.90E-02	3.74E-01	C	1.8E-01	2.09E+03	3.3E-05	4.97E+06	1.4E-08	7.99E+04	8.6E-07
On-Site	AOI06	VOC	Methylcyclohexane	108-87-2		27	9	5.00E-04	3.40E-03	3.14E+01	NC	1.1E-04	1.83E+03	1.9E-06	1.19E+06	2.9E-09	1.17E+03	2.9E-06
On-Site	AOI06	VOC	Tetrachloroethene	127-18-4	C-B2	27	7	1.90E-03	1.20E-02	5.00E-03	FM	**2.4E+00**	1.33E+01	9.0E-04	1.48E+06	8.1E-09	1.25E+01	9.6E-04
On-Site	AOI06	VOC	Toluene	108-88-3	D	27	2	8.00E-04	1.00E-03	1.00E+00	FM	1.0E-03	2.26E+02	4.4E-06	2.92E+06	3.4E-10	1.29E+03	7.7E-07
On-Site	AOI06	VOC	1,1,1-Trichloroethane	71-55-6	D	27	1	1.40E-03	1.40E-03	2.00E-01	FM	7.0E-03	1.37E+03	1.0E-06	4.09E+06	3.4E-10	3.63E+03	3.9E-07
On-Site	AOI06	VOC	1,1,2-Trichloroethane	79-00-5	C	27	5	6.00E-04	1.50E-03	5.00E-03	FM	3.0E-01	3.35E+00	4.5E-04	8.55E+05	1.8E-09	2.60E+01	5.8E-05
On-Site	AOI06	VOC	Trichloroethene	79-01-6	C-B2	27	21	4.00E-04	3.70E-01	5.00E-03	FM	**7.4E+01**	2.50E+01	1.5E-02	1.55E+06	2.4E-07	3.19E+01	1.2E-02
On-Site	AOI06	VOC	Vinyl Chloride	75-01-4	A	27	15	7.00E-04	1.20E-02	2.00E-03	FM	**6.0E+00**	1.94E+00	6.2E-03	3.45E+03	3.5E-06	2.77E+00	4.3E-03
On-Site	AOI06	VOC	Xylenes (total)	1330-20-7	ID	27	5	7.00E-04	1.10E-02	1.00E+01	FM	1.1E-03	6.28E+01	1.8E-04	1.70E+06	6.5E-09	3.23E+02	3.4E-05
On-Site	AOI06	SVOC	Acenaphthene	83-32-9		7	3	4.00E-04	9.90E-02	2.19E+00	NC	4.5E-02	1.46E+02	6.8E-04			2.04E+04	4.8E-06
On-Site	AOI06	SVOC	Acetophenone	98-86-2	D	7	1	2.95E-03	2.95E-03				2.21E+03	1.3E-06	6.32E+07	4.7E-11	4.68E+05	6.3E-09
On-Site	AOI06	SVOC	Anthracene	120-12-7	D	7	1	1.20E-02	1.20E-02	1.10E+01	NC	1.1E-03	7.21E+02	1.7E-05				
On-Site	AOI06	SVOC	Benzo(a)anthracene	56-55-3	B2	7	1	1.00E-03	1.00E-03	9.21E-04	C	**1.1E+00**	6.17E-02	1.6E-02			1.11E+03	9.0E-07
On-Site	AOI06	SVOC	Benzo(a)pyrene	50-32-8	B2	7	1	3.00E-04	3.00E-04	2.00E-04	FM	**1.5E+00**	4.35E-03	6.9E-02			2.63E+02	1.1E-06
On-Site	AOI06	SVOC	Biphenyl	92-52-4	D	7	2	1.10E-03	1.10E-03	1.83E+00	NC	6.0E-04	9.52E+01	1.2E-05	5.60E+04	2.0E-08	9.10E+03	1.2E-07
On-Site	AOI06	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	27	8	6.00E-04	6.50E-03	6.11E-04	C	**1.1E+01**	1.02E+00	6.4E-03	2.27E+07	2.9E-10	5.63E+01	1.2E-04
On-Site	AOI06	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	B2	7	1	3.10E-03	3.10E-03	6.00E-03	FM	5.2E-01	1.82E+00	1.7E-03	5.56E+08	5.6E-12	2.43E+05	1.3E-08
On-Site	AOI06	SVOC	Carbazole	86-74-8	B2	7	3	3.00E-04	1.10E-02	3.36E-02	C	3.3E-01	3.32E+01	3.3E-04			1.04E+05	1.1E-07

Table 3.2.1: Overburden Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria	Construction GCC (mg/L)	Ratio of Max Detect to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Max Detect to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Max Detect to Residential VI Criteria
On-Site	AOI06	SVOC	4-Chloroaniline	106-47-8		7	1	4.50E-03	4.50E-03	1.46E-01	NC	3.1E-02	9.78E+01	4.6E-05			2.22E+04	2.0E-07
On-Site	AOI06	SVOC	Chrysene	218-01-9	B2	7	1	8.00E-04	8.00E-04	9.21E-02	C	8.7E-03	5.94E+00	1.3E-04			4.18E+03	1.9E-07
On-Site	AOI06	SVOC	Dibenzofuran	132-64-9	D	7	2	2.00E-04	7.00E-02	7.30E-02	NC	9.6E-01	5.19E+00	1.3E-02			7.98E+03	8.8E-06
On-Site	AOI06	SVOC	2,4-Dimethylphenol	105-67-9		6	1	2.60E-03	2.60E-03	7.30E-01	NC	3.6E-03	6.26E+02	4.2E-06			4.67E+05	5.6E-09
On-Site	AOI06	SVOC	Fluoranthene	206-44-0	D	7	1	1.50E-02	1.50E-02	1.46E+00	NC	1.0E-02	4.50E+01	3.3E-04			1.25E+05	1.2E-07
On-Site	AOI06	SVOC	Fluorene	86-73-7	D	7	3	3.00E-04	6.80E-02	1.46E+00	NC	4.7E-02	9.95E+01	6.8E-04			3.22E+04	2.1E-06
On-Site	AOI06	SVOC	2-Methylnaphthalene	91-57-6	ID	7	4	1.10E-03	3.00E-02	7.30E-01	NC	4.1E-02	2.38E+00	1.3E-02			9.08E+01	3.3E-04
On-Site	AOI06	SVOC	Methylphenol (total)	1319-77-3		6	1	2.33E-04	2.33E-04	1.83E-01	NC	1.3E-03	2.59E+03	9.0E-08	3.37E+08	6.9E-13	1.91E+06	1.2E-10
On-Site	AOI06	SVOC	Naphthalene	91-20-3	C	7	4	3.00E-03	1.10E-01	7.30E-01	NC	1.5E-01	2.55E+00	4.3E-02	1.75E+06	6.3E-08	9.88E+01	1.1E-03
On-Site	AOI06	SVOC	N-Nitrosodiphenylamine	86-30-6	B2	7	1	1.40E-02	1.40E-02	1.37E-01	C	1.0E-01	3.11E+02	4.5E-05				
On-Site	AOI06	SVOC	Phenanthrene	85-01-8	D	7	3	1.25E-04	9.80E-02	1.10E+00	NC	8.9E-02	7.06E+01	1.4E-03			6.50E+04	1.5E-06
On-Site	AOI06	SVOC	Pyrene	129-00-0	D	7	1	1.00E-02	1.00E-02	1.10E+00	NC	9.1E-03	3.47E+01	2.9E-04			1.36E+05	7.3E-08
On-Site	AOI06	INORG	Antimony	7440-36-0		27	8	8.50E-05	4.30E-03	6.00E-03	FM	7.2E-01	3.79E+01	1.1E-04				
On-Site	AOI06	INORG	Arsenic	7440-38-2	A	27	25	8.00E-04	9.60E-03	1.00E-02	FM	9.6E-01	1.44E+01	6.7E-04				
On-Site	AOI06	INORG	Barium	7440-39-3	D	27	27	3.00E-02	1.14E+00	2.00E+00	FM	5.7E-01	3.43E+03	3.3E-04				
On-Site	AOI06	INORG	Beryllium	7440-41-7	B1	27	1	1.30E-04	1.30E-04	4.00E-03	FM	3.3E-02	1.07E+01	1.2E-05				
On-Site	AOI06	INORG	Cadmium	7440-43-9	B1	27	16	9.80E-05	4.90E-04	5.00E-03	FM	9.8E-02	1.80E+01	2.7E-05				
On-Site	AOI06	INORG	Chromium (total)	7440-47-3		27	6	5.10E-04	1.66E-02	1.00E-01	FM	1.7E-01	2.85E+01	5.8E-04				
On-Site	AOI06	INORG	Cobalt	7440-48-4	B1	27	25	5.10E-04	1.20E-02	7.30E-01	NC	1.6E-02	8.09E+03	1.5E-06				
On-Site	AOI06	INORG	Copper	7440-50-8	D	27	14	8.70E-04	7.40E-03	1.30E+00	FM	5.7E-03	1.23E+04	6.0E-07				
On-Site	AOI06	INORG	Lead	7439-92-1	B2	27	15	1.70E-04	1.90E-03	1.50E-02	FM	1.3E-01						
On-Site	AOI06	INORG	Manganese	7439-96-5	D	27	27	9.10E-03	5.22E+01	8.76E-01	NC	**6.0E+01**	5.96E+03	8.8E-03				
On-Site	AOI06	INORG	Mercury	7439-97-6	D	27	1	5.00E-05	5.00E-05	2.00E-03	FM	2.5E-02	2.61E-01	1.9E-04	1.30E+02	3.8E-07	1.17E+00	4.3E-05
On-Site	AOI06	INORG	Nickel	7440-02-0	A	27	25	3.40E-03	1.29E-02	7.30E-01	NC	1.8E-02	2.38E+03	5.4E-06				
On-Site	AOI06	INORG	Selenium	7782-49-2	D	27	21	7.50E-04	6.10E-03	5.00E-02	FM	1.2E-01	1.54E+03	4.0E-06				
On-Site	AOI06	INORG	Thallium	7440-28-0		27	6	1.70E-05	1.50E-04	2.00E-03	FM	7.5E-02	2.15E+01	7.0E-06				
On-Site	AOI06	INORG	Vanadium	7440-62-2		27	14	5.00E-04	5.50E-03	3.65E-02	NC	1.5E-01	1.94E+01	2.8E-04				
On-Site	AOI06	INORG	Zinc	7440-66-6	D	27	10	6.70E-03	6.10E-02	1.10E+01	NC	5.6E-03	1.10E+05	5.6E-07				
On-Site	AOI07	VOC	Acetone	67-64-1	ID	8	3	7.20E-02	1.20E-01	3.29E+01	NC	3.7E-03	6.26E+03	1.9E-05	8.58E+08	1.4E-10	1.17E+06	1.0E-07
On-Site	AOI07	VOC	Benzene	71-43-2	A	8	4	2.30E-02	1.50E-01	5.00E-03	FM	**3.0E+01**	4.53E+00	3.3E-02	1.35E+04	1.1E-05	1.08E+01	1.4E-02
On-Site	AOI07	VOC	2-Butanone	78-93-3	ID	6	3	7.50E-03	2.70E-02	2.19E+01	NC	1.2E-03	8.04E+03	3.4E-06	1.51E+08	1.8E-10	1.30E+06	2.1E-08
On-Site	AOI07	VOC	Carbon Disulfide	75-15-0		8	1	1.22E-03	1.22E-03	3.65E+00	NC	3.3E-04	3.49E+02	3.5E-06	4.37E+04	2.8E-08	7.38E+02	1.6E-06
On-Site	AOI07	VOC	Cumene	98-82-8	D	8	4	1.60E-03	1.30E-02	3.65E+00	NC	3.6E-03	2.01E+02	6.5E-05	1.28E+05	1.0E-07	1.37E+02	9.5E-05
On-Site	AOI07	VOC	Cyclohexane	110-82-7	ID	8	4	2.00E-02	4.70E-02	6.21E+01	NC	7.6E-04	3.39E+03	1.4E-05	7.44E+05	6.3E-08	2.84E+03	1.7E-05
On-Site	AOI07	VOC	cis-1,2-Dichloroethene	156-59-2	D	8	4	1.90E-03	5.30E-03	7.00E-02	FM	7.6E-02	2.11E+01	2.5E-04	4.21E+06	1.3E-09	1.62E+02	3.3E-05
On-Site	AOI07	VOC	trans-1,2-Dichloroethene	156-60-5		8	1	3.00E-04	3.00E-04	1.00E-01	FM	3.0E-03	3.52E+01	8.5E-06	2.27E+06	1.3E-10	1.40E+02	2.1E-06
On-Site	AOI07	VOC	Ethyl Benzene	100-41-4	D	8	4	1.90E-02	2.10E-01	7.00E-01	FM	3.0E-01	4.18E+02	5.0E-04	1.60E+06	1.3E-07	2.97E+03	7.1E-05
On-Site	AOI07	VOC	Methyl tert-butyl ether	1634-04-4		8	7	6.00E-04	1.50E-02	3.74E-01	C	4.0E-02	2.09E+03	7.2E-06	4.97E+06	3.0E-09	7.99E+04	1.9E-07
On-Site	AOI07	VOC	4-Methyl-2-pentanone	108-10-1	ID	8	4	2.90E-03	1.40E-02	2.92E+00	NC	4.8E-03	3.43E+03	4.1E-06	4.48E+07	3.1E-10	3.24E+05	4.3E-08
On-Site	AOI07	VOC	Methylcyclohexane	108-87-2		8	4	4.10E-02	6.85E-02	3.14E+01	NC	2.2E-03	1.83E+03	3.7E-05	1.19E+06	5.8E-08	1.17E+03	5.9E-05
On-Site	AOI07	VOC	Tetrachloroethene	127-18-4	C-B2	8	4	5.00E-04	2.00E-03	5.00E-03	FM	4.0E-01	1.33E+01	1.5E-04	1.48E+06	1.4E-09	1.25E+01	1.6E-04
On-Site	AOI07	VOC	Toluene	108-88-3	D	8	4	1.00E-02	3.85E-02	1.00E+00	FM	3.9E-02	2.26E+02	1.7E-04	2.92E+06	1.3E-08	1.29E+03	3.0E-05
On-Site	AOI07	VOC	Trichloroethene	79-01-6	C-B2	8	2	3.00E-04	5.00E-04	5.00E-03	FM	1.0E-01	2.50E+01	2.0E-05	1.55E+06	3.2E-10	3.19E+01	1.6E-05
On-Site	AOI07	VOC	Vinyl Chloride	75-01-4	A	8	1	4.00E-04	4.00E-04	2.00E-03	FM	2.0E-01	1.94E+00	2.1E-04	3.45E+03	1.2E-07	2.77E+00	1.4E-04
On-Site	AOI07	VOC	Xylenes (total)	1330-20-7	ID	8	5	8.00E-04	3.80E-01	1.00E+01	FM	3.8E-02	6.28E+01	6.1E-03	1.70E+06	2.2E-07	3.23E+02	1.2E-03
On-Site	AOI07	INORG	Antimony	7440-36-0		8	5	8.30E-05	2.00E-03	6.00E-03	FM	3.3E-01	3.79E+01	5.3E-05				
On-Site	AOI07	INORG	Arsenic	7440-38-2	A	8	8	2.30E-03	2.14E-02	1.00E-02	FM	**2.1E+00**	1.44E+01	1.5E-03				
On-Site	AOI07	INORG	Barium	7440-39-3	D	8	8	8.40E-02	3.52E-01	2.00E+00	FM	1.8E-01	3.43E+03	1.0E-04				
On-Site	AOI07	INORG	Cadmium	7440-43-9	B1	8	1	9.80E-05	9.80E-05	5.00E-03	FM	2.0E-02	1.80E+01	5.4E-06				
On-Site	AOI07	INORG	Cobalt	7440-48-4	B1	8	8	3.80E-04	1.30E-03	7.30E-01	NC	1.8E-03	8.09E+03	1.6E-07				
On-Site	AOI07	INORG	Copper	7440-50-8	D	8	5	5.50E-04	2.30E-02	1.30E+00	FM	1.8E-02	1.23E+04	1.9E-06				
On-Site	AOI07	INORG	Lead	7439-92-1	B2	8	6	2.80E-04	1.50E-03	1.50E-02	FM	1.0E-01						
On-Site	AOI07	INORG	Manganese	7439-96-5	D	8	6	8.80E-04	5.59E+00	8.76E-01	NC	**6.4E+00**	5.96E+03	9.4E-04				
On-Site	AOI07	INORG	Mercury	7439-97-6	D	8	1	9.40E-05	9.40E-05	2.00E-03	FM	4.7E-02	2.61E-01	3.6E-04	1.30E+02	7.2E-07	1.17E+00	8.1E-05

Table 3.2.1: Overburden Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria	Construction GCC (mg/L)	Ratio of Max Detect to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Max Detect to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Max Detect to Residential VI Criteria
On-Site	AOI07	INORG	Nickel	7440-02-0	A	8	8	3.60E-03	2.80E-02	7.30E-01	NC	3.8E-02	2.38E+03	1.2E-05				
On-Site	AOI07	INORG	Selenium	7782-49-2	D	8	6	1.50E-03	3.10E-03	5.00E-02	FM	6.2E-02	1.54E+03	2.0E-06				
On-Site	AOI07	INORG	Vanadium	7440-62-2		8	5	4.70E-04	5.90E-03	3.65E-02	NC	1.6E-01	1.94E+01	3.0E-04				
On-Site	AOI07	INORG	Zinc	7440-66-6	D	8	3	1.01E-02	2.42E-02	1.10E+01	NC	2.2E-03	1.10E+05	2.2E-07				
On-Site	AOI11	VOC	Cumene	98-82-8	D	5	1	4.00E-04	4.00E-04	3.65E+00	NC	1.1E-04	2.01E+02	2.0E-06	1.28E+05	3.1E-09	1.37E+02	2.9E-06
On-Site	AOI11	VOC	Methyl Acetate	79-20-9		5	1	2.00E-02	2.00E-02	3.65E+01	NC	5.5E-04	4.33E+03	4.6E-06	9.67E+07	2.1E-10	5.63E+05	3.6E-08
On-Site	AOI11	SVOC	Acenaphthene	83-32-9		1	1	7.80E-03	7.80E-03	2.19E+00	NC	3.6E-03	1.46E+02	5.4E-05			2.04E+04	3.8E-07
On-Site	AOI11	SVOC	Anthracene	120-12-7	D	1	1	2.60E-03	2.60E-03	1.10E+01	NC	2.4E-04	7.21E+02	3.6E-06				
On-Site	AOI11	SVOC	Dibenzofuran	132-64-9	D	1	1	7.30E-03	7.30E-03	7.30E-02	NC	1.0E-01	5.19E+00	1.4E-03			7.98E+03	9.1E-07
On-Site	AOI11	SVOC	Fluoranthene	206-44-0	D	1	1	3.50E-03	3.50E-03	1.46E+00	NC	2.4E-03	4.50E+01	7.8E-05			1.25E+05	2.8E-08
On-Site	AOI11	SVOC	Fluorene	86-73-7	D	1	1	1.00E-02	1.00E-02	1.46E+00	NC	6.8E-03	9.95E+01	1.0E-04			3.22E+04	3.1E-07
On-Site	AOI11	SVOC	Phenanthrene	85-01-8	D	1	1	1.10E-03	1.10E-03	1.10E+00	NC	1.0E-03	7.06E+01	1.6E-05			6.50E+04	1.7E-08
On-Site	AOI11	SVOC	Pyrene	129-00-0	D	1	1	1.90E-03	1.90E-03	1.10E+00	NC	1.7E-03	3.47E+01	5.5E-05			1.36E+05	1.4E-08
On-Site	AOI11	INORG	Arsenic	7440-38-2	A	4	4	1.26E-02	2.40E-02	1.00E-02	FM	2.4E+00	1.44E+01	1.7E-03				
On-Site	AOI11	INORG	Barium	7440-39-3	D	4	4	1.04E-01	2.73E-01	2.00E+00	FM	1.4E-01	3.43E+03	7.9E-05				
On-Site	AOI11	INORG	Cadmium	7440-43-9	B1	4	4	1.40E-04	8.30E-04	5.00E-03	FM	1.7E-01	1.80E+01	4.6E-05				
On-Site	AOI11	INORG	Chromium (total)	7440-47-3		4	2	4.90E-04	4.80E-03	1.00E-01	FM	4.8E-02	2.85E+01	1.7E-04				
On-Site	AOI11	INORG	Cobalt	7440-48-4	B1	4	4	6.90E-04	1.30E-03	7.30E-01	NC	1.8E-03	8.09E+03	1.6E-07				
On-Site	AOI11	INORG	Copper	7440-50-8	D	4	2	1.95E-03	4.30E-03	1.30E+00	FM	3.3E-03	1.23E+04	3.5E-07				
On-Site	AOI11	INORG	Lead	7439-92-1	B2	4	1	1.70E-03	1.70E-03	1.50E-02	FM	1.1E-01						
On-Site	AOI11	INORG	Manganese	7439-96-5	D	4	4	2.80E-01	8.14E-01	8.76E-01	NC	9.3E-01	5.96E+03	1.4E-04				
On-Site	AOI11	INORG	Nickel	7440-02-0	A	4	4	1.65E-03	5.00E-03	7.30E-01	NC	6.8E-03	2.38E+03	2.1E-06				
On-Site	AOI11	INORG	Selenium	7782-49-2	D	4	1	1.10E-03	1.10E-03	5.00E-02	FM	2.2E-02	1.54E+03	7.1E-07				
On-Site	AOI11	INORG	Vanadium	7440-62-2		4	4	1.10E-03	2.80E-03	3.65E-02	NC	7.7E-02	1.94E+01	1.4E-04				
On-Site	AOI11	INORG	Zinc	7440-66-6	D	4	1	2.87E-02	2.87E-02	1.10E+01	NC	2.6E-03	1.10E+05	2.6E-07				
On-Site	AOI16	VOC	Acetone	67-64-1	ID	46	11	4.80E-03	6.60E-02	3.29E+01	NC	2.0E-03	6.26E+03	1.1E-05	8.58E+08	7.7E-11	1.17E+06	5.7E-08
On-Site	AOI16	VOC	Benzene	71-43-2	A	46	2	2.00E-04	5.00E-04	5.00E-03	FM	1.0E-01	4.53E+00	1.1E-04	1.35E+04	3.7E-08	1.08E+01	4.6E-05
On-Site	AOI16	VOC	2-Butanone	78-93-3	ID	21	1	2.80E-03	2.80E-03	2.19E+01	NC	1.3E-04	8.04E+03	3.5E-07	1.51E+08	1.9E-11	1.30E+06	2.2E-09
On-Site	AOI16	VOC	Carbon Disulfide	75-15-0		46	1	5.00E-04	5.00E-04	3.65E+00	NC	1.4E-04	3.49E+02	1.4E-06	4.37E+04	1.1E-08	7.38E+02	6.8E-07
On-Site	AOI16	VOC	Chloroform	67-66-3	B2	46	13	3.00E-04	2.80E-03	8.00E-02	FM	3.5E-02	2.11E+00	1.3E-03	2.75E+05	1.0E-08	5.09E+00	5.5E-04
On-Site	AOI16	VOC	Cumene	98-82-8	D	46	2	1.20E-03	1.60E-03	3.65E+00	NC	4.4E-04	2.01E+02	7.9E-06	1.28E+05	1.3E-08	1.37E+02	1.2E-05
On-Site	AOI16	VOC	Cyclohexane	110-82-7	ID	46	1	6.70E-03	6.70E-03	6.21E+01	NC	1.1E-04	3.39E+03	2.0E-06	7.44E+05	9.0E-09	2.84E+03	2.4E-06
On-Site	AOI16	VOC	1,1-Dichloroethane	75-34-3	C	46	1	2.00E-04	2.00E-04	3.65E+00	NC	5.5E-05	3.06E+02	6.5E-07	1.70E+06	1.2E-10	1.80E+03	1.1E-07
On-Site	AOI16	VOC	1,2-Dichloroethane	107-06-2	B2	46	4	4.00E-04	2.30E-03	5.00E-03	FM	4.6E-01	1.81E+00	1.3E-03	6.92E+05	3.3E-09	1.47E+01	1.6E-04
On-Site	AOI16	VOC	cis-1,2-Dichloroethene	156-59-2	D	46	8	3.00E-04	6.20E-03	7.00E-02	FM	8.9E-02	2.11E+01	2.9E-04	4.21E+06	1.5E-09	1.62E+02	3.8E-05
On-Site	AOI16	VOC	trans-1,2-Dichloroethene	156-60-5		46	1	8.00E-04	8.00E-04	1.00E-01	FM	8.0E-03	3.52E+01	2.3E-05	2.27E+06	3.5E-10	1.40E+02	5.7E-06
On-Site	AOI16	VOC	Ethyl Benzene	100-41-4	D	46	1	2.20E-03	2.20E-03	7.00E-01	FM	3.1E-03	4.18E+02	5.3E-06	1.60E+06	1.4E-09	2.97E+03	7.4E-07
On-Site	AOI16	VOC	Methyl Acetate	79-20-9		46	2	8.10E-03	1.40E-02	3.65E+01	NC	3.8E-04	4.33E+03	3.2E-06	9.67E+07	1.4E-10	5.63E+05	2.5E-08
On-Site	AOI16	VOC	Methyl tert-butyl ether	1634-04-4		46	12	3.00E-04	1.50E-02	3.74E-01	C	4.0E-02	2.09E+03	7.2E-06	4.97E+06	3.0E-09	7.99E+04	1.9E-07
On-Site	AOI16	VOC	4-Methyl-2-pentanone	108-10-1	ID	46	1	3.40E-03	3.40E-03	2.92E+00	NC	1.2E-03	3.43E+03	9.9E-07	4.48E+07	7.6E-11	3.24E+05	1.0E-08
On-Site	AOI16	VOC	Tetrachloroethene	127-18-4	C-B2	46	2	6.00E-04	1.20E-03	5.00E-03	FM	2.4E-01	1.33E+01	9.0E-05	1.48E+06	8.1E-10	1.25E+01	9.6E-05
On-Site	AOI16	VOC	Toluene	108-88-3	D	46	1	8.00E-04	8.00E-04	1.00E+00	FM	8.0E-04	2.26E+02	3.5E-06	2.92E+06	2.7E-10	1.29E+03	6.2E-07
On-Site	AOI16	VOC	Trichloroethene	79-01-6	C-B2	46	8	3.10E-03	3.80E-02	5.00E-03	FM	7.6E+00	2.50E+01	1.5E-03	1.55E+06	2.4E-08	3.19E+01	1.2E-03
On-Site	AOI16	VOC	Vinyl Chloride	75-01-4	A	46	1	6.00E-04	6.00E-04	2.00E-03	FM	3.0E-01	1.94E+00	3.1E-04	3.45E+03	1.7E-07	2.77E+00	2.2E-04
On-Site	AOI16	VOC	Xylenes (total)	1330-20-7	ID	46	2	2.00E-03	1.90E-02	1.00E+01	FM	1.9E-03	6.28E+01	3.0E-04	1.70E+06	1.1E-08	3.23E+02	5.9E-05
On-Site	AOI16	SVOC	Atrazine	1912-24-9	C	13	1	5.00E-04	5.00E-04	3.00E-03	FM	1.7E-01	1.66E+01	3.0E-05	6.94E+08	7.2E-13	9.99E+03	5.0E-08
On-Site	AOI16	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	46	1	5.00E-04	5.00E-04	6.11E-04	C	8.2E-01	1.02E+00	4.9E-04	2.27E+07	2.2E-11	5.63E+01	8.9E-06
On-Site	AOI16	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	B2	13	1	4.00E-03	4.00E-03	6.00E-03	FM	6.7E-01	1.82E+00	2.2E-03	5.56E+08	7.2E-12	2.43E+05	1.6E-08
On-Site	AOI16	SVOC	Fluoranthene	206-44-0	D	13	1	5.00E-04	5.00E-04	1.46E+00	NC	3.4E-04	4.50E+01	1.1E-05			1.25E+05	4.0E-09
On-Site	AOI16	SVOC	2-Methylnaphthalene	91-57-6	ID	13	3	3.00E-04	1.60E-03	7.30E-01	NC	2.2E-03	2.38E+00	6.7E-04			9.08E+01	1.8E-05
On-Site	AOI16	SVOC	Naphthalene	91-20-3	C	13	3	1.10E-03	1.50E-02	7.30E-01	NC	2.1E-02	2.55E+00	5.9E-03	1.75E+06	8.5E-09	9.88E+01	1.5E-04
On-Site	AOI16	SVOC	2-Nitroaniline	88-74-4		13	1	7.00E-04	7.00E-04	1.10E-01	NC	6.4E-03	7.36E+01	9.5E-06			4.00E+03	1.7E-07
On-Site	AOI16	SVOC	4-Nitrophenol	100-02-7		8	1	7.00E-04	7.00E-04									
On-Site	AOI16	SVOC	Pyrene	129-00-0	D	13	1	3.00E-04	3.00E-04	1.10E+00	NC	2.7E-04	3.47E+01	8.6E-06			1.36E+05	2.2E-09

Table 3.2.1: Overburden Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria	Construction GCC (mg/L)	Ratio of Max Detect to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Max Detect to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Max Detect to Residential VI Criteria
On-Site	AOI16	INORG	Antimony	7440-36-0		46	3	1.70E-04	1.60E-03	6.00E-03	FM	2.7E-01	3.79E+01	4.2E-05				
On-Site	AOI16	INORG	Arsenic	7440-38-2	A	46	34	2.70E-04	9.90E-03	1.00E-02	FM	9.9E-01	1.44E+01	6.9E-04				
On-Site	AOI16	INORG	Barium	7440-39-3	D	46	46	2.01E-02	2.99E+00	2.00E+00	FM	**1.5E+00**	3.43E+03	8.7E-04				
On-Site	AOI16	INORG	Beryllium	7440-41-7	B1	46	4	1.80E-04	6.00E-04	4.00E-03	FM	1.5E-01	1.07E+01	5.6E-05				
On-Site	AOI16	INORG	Cadmium	7440-43-9	B1	46	45	9.50E-05	7.25E-01	5.00E-03	FM	**1.5E+02**	1.80E+01	4.0E-02				
On-Site	AOI16	INORG	Chromium (total)	7440-47-3		46	17	2.60E-04	8.57E-02	1.00E-01	FM	8.6E-01	2.85E+01	3.0E-03				
On-Site	AOI16	INORG	Cobalt	7440-48-4	B1	46	46	5.60E-05	1.16E-02	7.30E-01	NC	1.6E-02	8.09E+03	1.4E-06				
On-Site	AOI16	INORG	Copper	7440-50-8	D	46	18	1.20E-03	2.73E-02	1.30E+00	FM	2.1E-02	1.23E+04	2.2E-06				
On-Site	AOI16	INORG	Lead	7439-92-1	B2	46	23	3.00E-04	2.83E-02	1.50E-02	FM	**1.9E+00**						
On-Site	AOI16	INORG	Manganese	7439-96-5	D	46	44	3.00E-03	7.15E+01	8.76E-01	NC	**8.2E+01**	5.96E+03	1.2E-02				
On-Site	AOI16	INORG	Mercury	7439-97-6	D	46	1	4.50E-05	4.50E-05	2.00E-03	FM	2.3E-02	2.61E-01	1.7E-04	1.30E+02	3.5E-07	1.17E+00	3.9E-05
On-Site	AOI16	INORG	Nickel	7440-02-0	A	46	41	9.20E-04	3.26E-02	7.30E-01	NC	4.5E-02	2.38E+03	1.4E-05				
On-Site	AOI16	INORG	Selenium	7782-49-2	D	46	30	4.50E-04	4.70E-03	5.00E-02	FM	9.4E-02	1.54E+03	3.1E-06				
On-Site	AOI16	INORG	Silver	7440-22-4	D	40	3	6.30E-05	1.90E-03	1.83E-01	NC	1.0E-02	2.34E+02	8.1E-06				
On-Site	AOI16	INORG	Thallium	7440-28-0		46	2	2.00E-05	1.40E-04	2.00E-03	FM	7.0E-02	2.15E+01	6.5E-06				
On-Site	AOI16	INORG	Vanadium	7440-62-2		46	37	4.40E-04	4.93E-02	3.65E-02	NC	**1.4E+00**	1.94E+01	2.5E-03				
On-Site	AOI16	INORG	Zinc	7440-66-6	D	46	16	2.09E-02	1.62E+00	1.10E+01	NC	1.5E-01	1.10E+05	1.5E-05				
On-Site	AOI26	VOC	Acetone	67-64-1	ID	6	3	9.00E-03	1.60E-02	3.29E+01	NC	4.9E-04	6.26E+03	2.6E-06	8.58E+08	1.9E-11	1.17E+06	1.4E-08
On-Site	AOI26	VOC	1,4-Dichlorobenzene	106-46-7	C	6	1	8.00E-04	8.00E-04	7.50E-02	FM	1.1E-02	6.78E+00	1.2E-04	3.91E+06	2.0E-10	2.83E+01	2.8E-05
On-Site	AOI26	VOC	Methyl tert-butyl ether	1634-04-4		6	1	8.00E-04	8.00E-04	3.74E-01	C	2.1E-03	2.09E+03	3.8E-07	4.97E+06	1.6E-10	7.99E+04	1.0E-08
On-Site	AOI26	INORG	Antimony	7440-36-0		6	2	1.30E-03	2.00E-03	6.00E-03	FM	3.3E-01	3.79E+01	5.3E-05				
On-Site	AOI26	INORG	Arsenic	7440-38-2	A	6	6	7.40E-04	5.00E-03	1.00E-02	FM	5.0E-01	1.44E+01	3.5E-04				
On-Site	AOI26	INORG	Barium	7440-39-3	D	6	6	6.90E-03	6.16E-02	2.00E+00	FM	3.1E-02	3.43E+03	1.8E-05				
On-Site	AOI26	INORG	Beryllium	7440-41-7	B1	6	1	4.90E-04	4.90E-04	4.00E-03	FM	1.2E-01	1.07E+01	4.6E-05				
On-Site	AOI26	INORG	Cadmium	7440-43-9	B1	6	1	4.60E-04	4.60E-04	5.00E-03	FM	9.2E-02	1.80E+01	2.6E-05				
On-Site	AOI26	INORG	Chromium (total)	7440-47-3		6	4	4.90E-03	1.89E-02	1.00E-01	FM	1.9E-01	2.85E+01	6.6E-04				
On-Site	AOI26	INORG	Cobalt	7440-48-4	B1	6	6	2.60E-04	4.00E-03	7.30E-01	NC	5.5E-03	8.09E+03	4.9E-07				
On-Site	AOI26	INORG	Copper	7440-50-8	D	6	3	5.20E-03	1.82E-02	1.30E+00	FM	1.4E-02	1.23E+04	1.5E-06				
On-Site	AOI26	INORG	Lead	7439-92-1	B2	6	5	2.40E-04	9.30E-03	1.50E-02	FM	6.2E-01						
On-Site	AOI26	INORG	Manganese	7439-96-5	D	6	6	5.50E-03	3.47E+00	8.76E-01	NC	**4.0E+00**	5.96E+03	5.8E-04				
On-Site	AOI26	INORG	Mercury	7439-97-6	D	6	1	5.30E-05	5.30E-05	2.00E-03	FM	2.7E-02	2.61E-01	2.0E-04	1.30E+02	4.1E-07	1.17E+00	4.5E-05
On-Site	AOI26	INORG	Nickel	7440-02-0	A	6	6	9.20E-04	1.05E-02	7.30E-01	NC	1.4E-02	2.38E+03	4.4E-06				
On-Site	AOI26	INORG	Selenium	7782-49-2	D	6	4	9.20E-04	3.20E-03	5.00E-02	FM	6.4E-02	1.54E+03	2.1E-06				
On-Site	AOI26	INORG	Vanadium	7440-62-2		6	6	7.40E-04	4.88E-02	3.65E-02	NC	**1.3E+00**	1.94E+01	2.5E-03				
On-Site	AOI26	INORG	Zinc	7440-66-6	D	6	1	4.98E-02	4.98E-02	1.10E+01	NC	4.5E-03	1.10E+05	4.5E-07				
On-Site	AOI28	VOC	1,1-Dichloroethene	75-35-4	C	17	1	1.10E-03	1.10E-03	7.00E-03	FM	1.6E-01	1.16E+02	9.5E-06	3.05E+04	3.6E-08	2.33E+02	4.7E-06
On-Site	AOI28	VOC	cis-1,2-Dichloroethene	156-59-2	D	17	2	1.60E-03	3.00E-03	7.00E-02	FM	4.3E-02	2.11E+01	1.4E-04	4.21E+06	7.1E-10	1.62E+02	1.8E-05
On-Site	AOI28	VOC	Methyl tert-butyl ether	1634-04-4		17	3	9.50E-04	8.30E-03	3.74E-01	C	2.2E-02	2.09E+03	4.0E-06	4.97E+06	1.7E-09	7.99E+04	1.0E-07
On-Site	AOI28	VOC	Trichloroethene	79-01-6	C-B2	17	3	1.40E-03	3.90E-02	5.00E-03	FM	**7.8E+00**	2.50E+01	1.6E-03	1.55E+06	2.5E-08	3.19E+01	1.2E-03
On-Site	AOI28	SVOC	Naphthalene	91-20-3	C	3	1	6.00E-04	6.00E-04	7.30E-01	NC	8.2E-04	2.55E+00	2.4E-04	1.75E+06	3.4E-10	9.88E+01	6.1E-06
On-Site	AOI28	SVOC	Nitrobenzene	98-95-3	D	3	1	8.00E-04	8.00E-04	1.83E-02	NC	4.4E-02	6.57E+00	1.2E-04	2.91E+06	2.7E-10	1.20E+03	6.7E-07
On-Site	AOI28	INORG	Antimony	7440-36-0		15	2	1.80E-04	4.60E-04	6.00E-03	FM	7.7E-02	3.79E+01	1.2E-05				
On-Site	AOI28	INORG	Arsenic	7440-38-2	A	15	10	2.13E-04	1.58E-02	1.00E-02	FM	**1.6E+00**	1.44E+01	1.1E-03				
On-Site	AOI28	INORG	Barium	7440-39-3	D	15	15	7.86E-02	7.02E-01	2.00E+00	FM	3.5E-01	3.43E+03	2.0E-04				
On-Site	AOI28	INORG	Cadmium	7440-43-9	B1	15	13	9.60E-05	3.30E-03	5.00E-03	FM	6.6E-01	1.80E+01	1.8E-04				
On-Site	AOI28	INORG	Chromium (total)	7440-47-3		15	3	6.10E-04	1.40E-03	1.00E-01	FM	1.4E-02	2.85E+01	4.9E-05				
On-Site	AOI28	INORG	Cobalt	7440-48-4	B1	15	13	7.60E-05	3.15E-03	7.30E-01	NC	4.3E-03	8.09E+03	3.9E-07				
On-Site	AOI28	INORG	Copper	7440-50-8	D	15	7	6.30E-04	9.70E-03	1.30E+00	FM	7.5E-03	1.23E+04	7.9E-07				
On-Site	AOI28	INORG	Lead	7439-92-1	B2	15	7	4.50E-04	9.60E-04	1.50E-02	FM	6.4E-02						
On-Site	AOI28	INORG	Manganese	7439-96-5	D	15	14	6.50E-03	1.38E+01	8.76E-01	NC	**1.6E+01**	5.96E+03	2.3E-03				
On-Site	AOI28	INORG	Mercury	7439-97-6	D	15	2	6.00E-05	1.70E-04	2.00E-03	FM	8.5E-02	2.61E-01	6.5E-04	1.30E+02	1.3E-06	1.17E+00	1.5E-04
On-Site	AOI28	INORG	Nickel	7440-02-0	A	15	15	3.20E-03	1.47E-02	7.30E-01	NC	2.0E-02	2.38E+03	6.2E-06				
On-Site	AOI28	INORG	Selenium	7782-49-2	D	15	12	3.40E-04	1.40E-03	5.00E-02	FM	2.8E-02	1.54E+03	9.1E-07				
On-Site	AOI28	INORG	Vanadium	7440-62-2		15	10	5.50E-04	4.60E-03	3.65E-02	NC	1.3E-01	1.94E+01	2.4E-04				

Table 3.2.1: Overburden Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria	Construction GCC (mg/L)	Ratio of Max Detect to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Max Detect to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Max Detect to Residential VI Criteria
On-Site	AOI28	INORG	Zinc	7440-66-6	D	15	4	1.42E-02	3.34E-02	1.10E+01	NC	3.1E-03	1.10E+05	3.0E-07				
On-Site	AOI29	VOC	Carbon Disulfide	75-15-0		6	1	8.00E-04	8.00E-04	3.65E+00	NC	2.2E-04	3.49E+02	2.3E-06	4.37E+04	1.8E-08	7.38E+02	1.1E-06
On-Site	AOI29	VOC	Methyl tert-butyl ether	1634-04-4		6	1	5.00E-04	5.00E-04	3.74E-01	C	1.3E-03	2.09E+03	2.4E-07	4.97E+06	1.0E-10	7.99E+04	6.3E-09
On-Site	AOI29	VOC	Trichloroethene	79-01-6	C-B2	6	2	6.00E-04	9.00E-04	5.00E-03	FM	1.8E-01	2.50E+01	3.6E-05	1.55E+06	5.8E-10	3.19E+01	2.8E-05
On-Site	AOI29	SVOC	Acenaphthene	83-32-9		1	1	7.00E-04	7.00E-04	2.19E+00	NC	3.2E-04	1.46E+02	4.8E-06			2.04E+04	3.4E-08
On-Site	AOI29	INORG	Antimony	7440-36-0		5	3	2.80E-04	2.60E-03	6.00E-03	FM	4.3E-01	3.79E+01	6.9E-05				
On-Site	AOI29	INORG	Arsenic	7440-38-2	A	5	5	1.02E-02	2.52E-02	1.00E-02	FM	**2.5E+00**	1.44E+01	1.8E-03				
On-Site	AOI29	INORG	Barium	7440-39-3	D	5	5	7.94E-02	1.98E-01	2.00E+00	FM	9.9E-02	3.43E+03	5.8E-05				
On-Site	AOI29	INORG	Cadmium	7440-43-9	B1	5	5	1.00E-04	3.50E-03	5.00E-03	FM	7.0E-01	1.80E+01	1.9E-04				
On-Site	AOI29	INORG	Chromium (total)	7440-47-3		5	2	2.70E-04	5.00E-04	1.00E-01	FM	5.0E-03	2.85E+01	1.8E-05				
On-Site	AOI29	INORG	Cobalt	7440-48-4	B1	5	5	4.10E-03	5.50E-03	7.30E-01	NC	7.5E-03	8.09E+03	6.8E-07				
On-Site	AOI29	INORG	Copper	7440-50-8	D	5	1	2.20E-03	2.20E-03	1.30E+00	FM	1.7E-03	1.23E+04	1.8E-07				
On-Site	AOI29	INORG	Lead	7439-92-1	B2	5	3	2.80E-04	6.60E-04	1.50E-02	FM	4.4E-02						
On-Site	AOI29	INORG	Manganese	7439-96-5	D	5	5	3.16E+01	4.18E+01	8.76E-01	NC	**4.8E+01**	5.96E+03	7.0E-03				
On-Site	AOI29	INORG	Nickel	7440-02-0	A	5	5	5.30E-03	7.40E-03	7.30E-01	NC	1.0E-02	2.38E+03	3.1E-06				
On-Site	AOI29	INORG	Selenium	7782-49-2	D	5	5	3.20E-03	7.70E-03	5.00E-02	FM	1.5E-01	1.54E+03	5.0E-06				
On-Site	AOI29	INORG	Vanadium	7440-62-2		5	4	6.30E-04	3.20E-03	3.65E-02	NC	8.8E-02	1.94E+01	1.7E-04				
On-Site	AOI29	INORG	Zinc	7440-66-6	D	5	1	3.31E-02	3.31E-02	1.10E+01	NC	3.0E-03	1.10E+05	3.0E-07				
On-Site	General	VOC	Acetone	67-64-1	ID	56	5	6.00E-03	8.10E-01	3.29E+01	NC	2.5E-02	6.26E+03	1.3E-04	8.58E+08	9.4E-10	1.17E+06	6.9E-07
On-Site	General	VOC	Benzene	71-43-2	A	57	6	3.00E-04	2.20E-02	5.00E-03	FM	**4.4E+00**	4.53E+00	4.9E-03	1.35E+04	1.6E-06	1.08E+01	2.0E-03
On-Site	General	VOC	Bromochloromethane	74-97-5		47	1	4.00E-04	4.00E-04						1.35E+07	3.0E-11		
On-Site	General	VOC	Bromodichloromethane	75-27-4	B2	57	3	5.00E-04	8.00E-04	8.00E-02	FM	1.0E-02	3.20E+00	2.5E-04			1.48E+01	5.4E-05
On-Site	General	VOC	2-Butanone	78-93-3	ID	27	1	9.40E-03	9.40E-03	2.19E+01	NC	4.3E-04	8.04E+03	1.2E-06	1.51E+08	6.2E-11	1.30E+06	7.2E-09
On-Site	General	VOC	Carbon Disulfide	75-15-0		57	2	6.00E-04	7.00E-04	3.65E+00	NC	1.9E-04	3.49E+02	2.0E-06	4.37E+04	1.6E-08	7.38E+02	9.5E-07
On-Site	General	VOC	Chlorobenzene	108-90-7	D	57	7	3.00E-04	3.10E-03	1.00E-01	FM	3.1E-02	3.65E+01	8.5E-05	2.13E+06	1.5E-09	3.14E+02	9.9E-06
On-Site	General	VOC	Chloroform	67-66-3	B2	57	8	1.93E-04	1.20E-02	8.00E-02	FM	1.5E-01	2.11E+00	5.7E-03	2.75E+05	4.4E-08	5.09E+00	2.4E-03
On-Site	General	VOC	Chloromethane	74-87-3	D	57	1	7.85E-04	7.85E-04	9.49E-01	NC	8.3E-04	4.00E+01	2.0E-05	3.42E+05	2.3E-09	2.42E+02	3.2E-06
On-Site	General	VOC	Cumene	98-82-8	D	57	1	9.00E-04	9.00E-04	3.65E+00	NC	2.5E-04	2.01E+02	4.5E-06	1.28E+05	7.0E-09	1.37E+02	6.6E-06
On-Site	General	VOC	Cyclohexane	110-82-7	ID	57	1	1.60E-01	1.60E-01	6.21E+01	NC	2.6E-03	3.39E+03	4.7E-05	7.44E+05	2.1E-07	2.84E+03	5.6E-05
On-Site	General	VOC	1,2-Dichlorobenzene	95-50-1	D	57	4	4.00E-04	5.20E-03	6.00E-01	FM	8.7E-03	1.35E+02	3.8E-05	1.59E+06	3.3E-09	1.88E+03	2.8E-06
On-Site	General	VOC	1,4-Dichlorobenzene	106-46-7	C	57	3	5.00E-04	1.20E-03	7.50E-02	FM	1.6E-02	6.78E+00	1.8E-04	3.91E+06	3.1E-10	2.83E+01	4.2E-05
On-Site	General	VOC	1,2-Dichloroethane	107-06-2	B2	57	5	1.30E-03	5.70E-03	5.00E-03	FM	**1.1E+00**	1.81E+00	3.2E-03	6.92E+05	8.2E-09	1.47E+01	3.9E-04
On-Site	General	VOC	cis-1,2-Dichloroethene	156-59-2	D	57	8	3.00E-04	8.20E-03	7.00E-02	FM	1.2E-01	2.11E+01	3.9E-04	4.21E+06	1.9E-09	1.62E+02	5.1E-05
On-Site	General	VOC	trans-1,2-Dichloroethene	156-60-5		57	6	3.00E-04	1.80E-03	1.00E-01	FM	1.8E-02	3.52E+01	5.1E-05	2.27E+06	7.9E-10	1.40E+02	1.3E-05
On-Site	General	VOC	Ethyl Benzene	100-41-4	D	57	2	6.00E-04	8.00E-04	7.00E-01	FM	1.1E-03	4.18E+02	1.9E-06	1.60E+06	5.0E-10	2.97E+03	2.7E-07
On-Site	General	VOC	Methyl Acetate	79-20-9		57	2	6.40E-03	4.80E-02	3.65E+01	NC	1.3E-03	4.33E+03	1.1E-05	9.67E+07	5.0E-10	5.63E+05	8.5E-08
On-Site	General	VOC	Methyl tert-butyl ether	1634-04-4		57	15	3.00E-04	2.70E-03	3.74E-01	C	7.2E-03	2.09E+03	1.3E-06	4.97E+06	5.4E-10	7.99E+04	3.4E-08
On-Site	General	VOC	4-Methyl-2-pentanone	108-10-1	ID	57	1	5.30E-03	5.30E-03	2.92E+00	NC	1.8E-03	3.43E+03	1.5E-06	4.48E+07	1.2E-10	3.24E+05	1.6E-08
On-Site	General	VOC	Methylcyclohexane	108-87-2		57	1	4.60E-02	4.60E-02	3.14E+01	NC	1.5E-03	1.83E+03	2.5E-05	1.19E+06	3.9E-08	1.17E+03	3.9E-05
On-Site	General	VOC	Methylene Chloride	75-09-2	B2	57	1	1.50E-03	1.50E-03	5.00E-03	FM	3.0E-01	8.29E+01	1.8E-05	7.24E+05	2.1E-09	3.84E+02	3.9E-06
On-Site	General	VOC	Tetrachloroethene	127-18-4	C-B2	57	6	4.00E-04	2.40E-03	5.00E-03	FM	4.8E-01	1.33E+01	1.8E-04	1.48E+06	1.6E-09	1.25E+01	1.9E-04
On-Site	General	VOC	Toluene	108-88-3	D	57	2	8.00E-04	2.10E-03	1.00E+00	FM	2.1E-03	2.26E+02	9.3E-06	2.92E+06	7.2E-10	1.29E+03	1.6E-06
On-Site	General	VOC	Trichloroethene	79-01-6	C-B2	57	10	3.50E-04	5.60E-02	5.00E-03	FM	**1.1E+01**	2.50E+01	2.2E-03	1.55E+06	3.6E-08	3.19E+01	1.8E-03
On-Site	General	VOC	Trichlorofluoromethane	75-69-4		57	3	3.00E-04	1.50E-01	1.10E+01	NC	1.4E-02	4.83E+02	3.1E-04	4.89E+06	3.1E-08	4.21E+02	3.6E-04
On-Site	General	VOC	Vinyl Chloride	75-01-4	A	57	1	3.00E-04	3.00E-04	2.00E-03	FM	1.5E-01	1.94E+00	1.5E-04	3.45E+03	8.7E-08	2.77E+00	1.1E-04
On-Site	General	VOC	Xylenes (total)	1330-20-7	ID	57	2	3.00E-04	1.70E-03	1.00E+01	FM	1.7E-04	6.28E+01	2.7E-05	1.70E+06	1.0E-09	3.23E+02	5.3E-06
On-Site	General	SVOC	Atrazine	1912-24-9	C	3	1	7.00E-04	7.00E-04	3.00E-03	FM	2.3E-01	1.66E+01	4.2E-05	6.94E+08	1.0E-12	9.99E+03	7.0E-08
On-Site	General	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	52	3	1.90E-03	2.50E-03	6.11E-04	C	**4.1E+00**	1.02E+00	2.4E-03	2.27E+07	1.1E-10	5.63E+01	4.4E-05
On-Site	General	INORG	Antimony	7440-36-0		49	14	8.00E-05	4.20E-03	6.00E-03	FM	7.0E-01	3.79E+01	1.1E-04				
On-Site	General	INORG	Arsenic	7440-38-2	A	49	37	4.40E-04	3.87E-02	1.00E-02	FM	**3.9E+00**	1.44E+01	2.7E-03				
On-Site	General	INORG	Barium	7440-39-3	D	49	49	3.52E-02	7.70E+00	2.00E+00	FM	**3.9E+00**	3.43E+03	2.2E-03				
On-Site	General	INORG	Beryllium	7440-41-7	B1	49	1	2.80E-03	2.80E-03	4.00E-03	FM	7.0E-01	1.07E+01	2.6E-04				
On-Site	General	INORG	Cadmium	7440-43-9	B1	49	40	1.10E-04	1.28E-02	5.00E-03	FM	**2.6E+00**	1.80E+01	7.1E-04				
On-Site	General	INORG	Chromium (total)	7440-47-3		49	8	4.00E-04	3.90E-03	1.00E-01	FM	3.9E-02	2.85E+01	1.4E-04				

Table 3.2.1: Overburden Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria	Construction GCC (mg/L)	Ratio of Max Detect to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Max Detect to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Max Detect to Residential VI Criteria
On-Site	General	INORG	Cobalt	7440-48-4	B1	49	49	1.10E-04	1.78E-01	7.30E-01	NC	2.4E-01	8.09E+03	2.2E-05				
On-Site	General	INORG	Copper	7440-50-8	D	49	20	9.30E-04	7.43E-02	1.30E+00	FM	5.7E-02	1.23E+04	6.0E-06				
On-Site	General	INORG	Lead	7439-92-1	B2	49	28	1.20E-04	3.80E-03	1.50E-02	FM	2.5E-01						
On-Site	General	INORG	Manganese	7439-96-5	D	49	49	2.60E-03	7.26E+01	8.76E-01	NC	**8.3E+01**	5.96E+03	1.2E-02				
On-Site	General	INORG	Mercury	7439-97-6	D	49	6	3.00E-05	2.20E-03	2.00E-03	FM	**1.1E+00**	2.61E-01	8.4E-03	1.30E+02	1.7E-05	1.17E+00	1.9E-03
On-Site	General	INORG	Nickel	7440-02-0	A	49	49	1.80E-03	7.88E-02	7.30E-01	NC	1.1E-01	2.38E+03	3.3E-05				
On-Site	General	INORG	Selenium	7782-49-2	D	49	40	7.90E-04	4.90E-03	5.00E-02	FM	9.8E-02	1.54E+03	3.2E-06				
On-Site	General	INORG	Thallium	7440-28-0		49	9	1.80E-05	2.50E-04	2.00E-03	FM	1.3E-01	2.15E+01	1.2E-05				
On-Site	General	INORG	Vanadium	7440-62-2		49	30	4.10E-04	8.30E-03	3.65E-02	NC	2.3E-01	1.94E+01	4.3E-04				
On-Site	General	INORG	Zinc	7440-66-6	D	49	20	1.06E-02	8.27E-01	1.10E+01	NC	7.6E-02	1.10E+05	7.5E-06				

Notes:

Results from Wellzones S and D are included in this table to facilitate comparison with databoxes

The Drinking Water Screening Criteria is the Federal MCL or, when a Federal MCL is not available, the Region 9 PRG for ingestion of tap water based on a target risk of 10^{-5} and hazard quotient of 1.

The Screening Criteria are calculated at a target cancer risk of 10^{-5} and hazard quotient of 1.

The Screening Criteria for Pyrene were used as surrogates for Phenanthrene.

The Screening Criteria for Naphthalene were used as surrogates for 2-Methylnaphthalene.

The Screening Criteria for Chromium VI was used as a surrogate for Chromium (total).

The concentrations for the Methylphenol (2, 3, & 4) were summed before comparing to the Screening Criteria for 4-Methylphenol.

The concentrations for the Xylene isomers (m/p and o) were summed before comparing to the Screening Criteria.

FM - The Screening Criterion is the Federal MCL.

C - The Screening Criterion is based on cancer risk.

NC - The Screening Criterion is based on noncancer effects.

GCC - Groundwater Contact Criteria

Chem Group - Chemical Group

Carc Class - EPA Weight-of-Evidence Cancer Classification

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
Off-Site	General	VOC	Carbon Disulfide	75-15-0		12	2	8.00E-04	3.00E-03		3.65E+00	NC	8.2E-04
Off-Site	General	VOC	Carbon Tetrachloride	56-23-5	B2	12	3	4.50E-03	1.00E-01	5.00E-03	5.00E-03	FM	**2.0E+01**
Off-Site	General	VOC	Chloroform	67-66-3	B2	12	3	6.00E-04	2.70E-03	8.00E-02	8.00E-02	FM	3.4E-02
Off-Site	General	VOC	1,2-Dichloroethane	107-06-2	B2	12	1	3.00E-04	3.00E-04	5.00E-03	5.00E-03	FM	6.0E-02
Off-Site	General	VOC	cis-1,2-Dichloroethene	156-59-2	D	12	2	9.00E-04	9.00E-04	7.00E-02	7.00E-02	FM	1.3E-02
Off-Site	General	VOC	trans-1,2-Dichloroethene	156-60-5		12	1	5.00E-04	5.00E-04	1.00E-01	1.00E-01	FM	5.0E-03
Off-Site	General	VOC	Methyl Acetate	79-20-9		12	1	1.80E-01	1.80E-01		3.65E+01	NC	4.9E-03
Off-Site	General	VOC	Methyl tert-butyl ether	1634-04-4		12	1	3.00E-04	3.00E-04		3.74E-01	C	8.0E-04
Off-Site	General	VOC	Tetrachloroethene	127-18-4	C-B2	12	2	8.00E-04	1.00E-03	5.00E-03	5.00E-03	FM	2.0E-01
Off-Site	General	VOC	Trichloroethene	79-01-6	C-B2	12	3	4.00E-04	2.20E-02	5.00E-03	5.00E-03	FM	**4.4E+00**
Off-Site	General	INORG	Antimony	7440-36-0		12	2	7.90E-05	3.10E-04	6.00E-03	6.00E-03	FM	5.2E-02
Off-Site	General	INORG	Arsenic	7440-38-2	A	12	12	6.10E-04	2.40E-03	1.00E-02	1.00E-02	FM	2.4E-01
Off-Site	General	INORG	Barium	7440-39-3	D	12	12	7.45E-02	2.90E-01	2.00E+00	2.00E+00	FM	1.5E-01
Off-Site	General	INORG	Beryllium	7440-41-7	B1	12	1	7.40E-04	7.40E-04	4.00E-03	4.00E-03	FM	1.9E-01
Off-Site	General	INORG	Cadmium	7440-43-9	B1	12	3	1.40E-04	3.10E-04	5.00E-03	5.00E-03	FM	6.2E-02
Off-Site	General	INORG	Chromium (total)	7440-47-3		12	7	1.85E-04	1.47E-02	1.00E-01	1.00E-01	FM	1.5E-01
Off-Site	General	INORG	Cobalt	7440-48-4	B1	12	12	1.20E-04	7.20E-03		7.30E-01	NC	9.9E-03
Off-Site	General	INORG	Copper	7440-50-8	D	12	4	1.20E-03	1.06E-02	1.30E+00	1.30E+00	FM	8.2E-03
Off-Site	General	INORG	Lead	7439-92-1	B2	12	12	1.30E-04	6.10E-03	1.50E-02	1.50E-02	FM	4.1E-01
Off-Site	General	INORG	Manganese	7439-96-5	D	12	12	1.30E-02	6.69E-01		8.76E-01	NC	7.6E-01
Off-Site	General	INORG	Mercury	7439-97-6	D	12	2	3.70E-05	4.10E-05	2.00E-03	2.00E-03	FM	2.1E-02
Off-Site	General	INORG	Nickel	7440-02-0	A	12	11	1.10E-03	1.86E-02		7.30E-01	NC	2.5E-02
Off-Site	General	INORG	Selenium	7782-49-2	D	12	7	8.38E-04	2.00E-03	5.00E-02	5.00E-02	FM	4.0E-02
Off-Site	General	INORG	Thallium	7440-28-0		12	1	1.40E-04	1.40E-04	2.00E-03	2.00E-03	FM	7.0E-02
Off-Site	General	INORG	Vanadium	7440-62-2		12	8	5.20E-04	1.60E-02		3.65E-02	NC	4.4E-01
Off-Site	General	INORG	Zinc	7440-66-6	D	12	6	2.80E-03	6.02E-02		1.10E+01	NC	5.5E-03
On-Site	AOI01	VOC	Acetone	67-64-1	ID	3	1	2.00E-02	2.00E-02		3.29E+01	NC	6.1E-04
On-Site	AOI01	VOC	Chlorobenzene	108-90-7	D	3	2	4.60E-03	4.80E-03	1.00E-01	1.00E-01	FM	4.8E-02
On-Site	AOI01	VOC	Chloroform	67-66-3	B2	3	1	5.00E-03	5.00E-03	8.00E-02	8.00E-02	FM	6.3E-02
On-Site	AOI01	VOC	1,2-Dichlorobenzene	95-50-1	D	3	1	1.10E-03	1.10E-03	6.00E-01	6.00E-01	FM	1.8E-03
On-Site	AOI01	VOC	Dichlorodifluoromethane	75-71-8		3	1	1.30E-03	1.30E-03		7.30E+00	NC	1.8E-04
On-Site	AOI01	VOC	1,1-Dichloroethane	75-34-3	C	3	1	2.70E-03	2.70E-03		3.65E+00	NC	7.4E-04
On-Site	AOI01	VOC	1,2-Dichloroethane	107-06-2	B2	3	2	2.40E-03	3.90E-03	5.00E-03	5.00E-03	FM	7.8E-01
On-Site	AOI01	VOC	1,1-Dichloroethene	75-35-4	C	3	1	8.30E-03	8.30E-03	7.00E-03	7.00E-03	FM	**1.2E+00**
On-Site	AOI01	VOC	cis-1,2-Dichloroethene	156-59-2	D	3	2	8.70E-03	3.10E-02	7.00E-02	7.00E-02	FM	4.4E-01
On-Site	AOI01	VOC	Trichloroethene	79-01-6	C-B2	3	3	1.10E-03	1.40E-01	5.00E-03	5.00E-03	FM	**2.8E+01**
On-Site	AOI01	INORG	Antimony	7440-36-0		3	1	7.30E-04	7.30E-04	6.00E-03	6.00E-03	FM	1.2E-01

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI01	INORG	Arsenic	7440-38-2	A	3	2	9.70E-04	9.80E-04	1.00E-02	1.00E-02	FM	9.8E-02
On-Site	AOI01	INORG	Barium	7440-39-3	D	3	3	1.53E-02	4.90E-01	2.00E+00	2.00E+00	FM	2.5E-01
On-Site	AOI01	INORG	Cadmium	7440-43-9	B1	3	3	2.30E-04	2.30E-03	5.00E-03	5.00E-03	FM	4.6E-01
On-Site	AOI01	INORG	Cobalt	7440-48-4	B1	3	2	3.10E-04	3.20E-04		7.30E-01	NC	4.4E-04
On-Site	AOI01	INORG	Copper	7440-50-8	D	3	1	5.70E-03	5.70E-03	1.30E+00	1.30E+00	FM	4.4E-03
On-Site	AOI01	INORG	Lead	7439-92-1	B2	3	2	1.70E-03	3.20E-03	1.50E-02	1.50E-02	FM	2.1E-01
On-Site	AOI01	INORG	Manganese	7439-96-5	D	3	3	1.25E-01	1.75E-01		8.76E-01	NC	2.0E-01
On-Site	AOI01	INORG	Nickel	7440-02-0	A	3	3	4.10E-03	6.30E-03		7.30E-01	NC	8.6E-03
On-Site	AOI01	INORG	Selenium	7782-49-2	D	3	2	1.30E-03	1.70E-03	5.00E-02	5.00E-02	FM	3.4E-02
On-Site	AOI01	INORG	Vanadium	7440-62-2		3	2	3.90E-04	1.20E-03		3.65E-02	NC	3.3E-02
On-Site	AOI01	INORG	Zinc	7440-66-6	D	3	2	2.66E-02	5.82E-02		1.10E+01	NC	5.3E-03
On-Site	AOI03	VOC	Acetone	67-64-1	ID	10	1	6.55E-02	6.55E-02		3.29E+01	NC	2.0E-03
On-Site	AOI03	VOC	Benzene	71-43-2	A	12	8	1.50E-03	4.60E-01	5.00E-03	5.00E-03	FM	**9.2E+01**
On-Site	AOI03	VOC	Carbon Disulfide	75-15-0		12	2	6.00E-04	6.00E-04		3.65E+00	NC	1.6E-04
On-Site	AOI03	VOC	Carbon Tetrachloride	56-23-5	B2	12	2	6.10E-03	6.90E-03	5.00E-03	5.00E-03	FM	**1.4E+00**
On-Site	AOI03	VOC	Chlorobenzene	108-90-7	D	12	11	1.00E-03	3.40E-01	1.00E-01	1.00E-01	FM	**3.4E+00**
On-Site	AOI03	VOC	Chloroethane	75-00-3		12	1	1.20E-03	1.20E-03		1.46E+01	NC	8.2E-05
On-Site	AOI03	VOC	Chloroform	67-66-3	B2	12	9	4.00E-04	8.35E-02	8.00E-02	8.00E-02	FM	1.0E+00
On-Site	AOI03	VOC	1,2-Dichlorobenzene	95-50-1	D	12	11	4.00E-04	7.60E-02	6.00E-01	6.00E-01	FM	1.3E-01
On-Site	AOI03	VOC	1,4-Dichlorobenzene	106-46-7	C	12	1	2.40E-03	2.40E-03	7.50E-02	7.50E-02	FM	3.2E-02
On-Site	AOI03	VOC	1,1-Dichloroethane	75-34-3	C	12	9	5.50E-04	4.40E-03		3.65E+00	NC	1.2E-03
On-Site	AOI03	VOC	1,2-Dichloroethane	107-06-2	B2	12	11	2.00E-03	1.55E-01	5.00E-03	5.00E-03	FM	**3.1E+01**
On-Site	AOI03	VOC	1,1-Dichloroethene	75-35-4	C	12	11	9.00E-04	8.35E-03	7.00E-03	7.00E-03	FM	**1.2E+00**
On-Site	AOI03	VOC	cis-1,2-Dichloroethene	156-59-2	D	12	12	1.20E-02	3.00E-01	7.00E-02	7.00E-02	FM	**4.3E+00**
On-Site	AOI03	VOC	trans-1,2-Dichloroethene	156-60-5		12	12	1.20E-03	1.05E-01	1.00E-01	1.00E-01	FM	**1.1E+00**
On-Site	AOI03	VOC	1,2-Dichloropropane	78-87-5	B2	12	2	4.00E-04	5.00E-04	5.00E-03	5.00E-03	FM	1.0E-01
On-Site	AOI03	VOC	Methyl tert-butyl ether	1634-04-4		12	6	3.00E-04	4.20E-03		3.74E-01	C	1.1E-02
On-Site	AOI03	VOC	Methylene Chloride	75-09-2	B2	12	6	3.28E-04	6.20E-02	5.00E-03	5.00E-03	FM	**1.2E+01**
On-Site	AOI03	VOC	Tetrachloroethene	127-18-4	C-B2	12	12	4.00E-04	5.95E-02	5.00E-03	5.00E-03	FM	**1.2E+01**
On-Site	AOI03	VOC	Toluene	108-88-3	D	12	2	1.00E-03	5.70E-03	1.00E+00	1.00E+00	FM	5.7E-03
On-Site	AOI03	VOC	1,1,2-Trichloroethane	79-00-5	C	12	6	1.80E-03	9.20E-03	5.00E-03	5.00E-03	FM	**1.8E+00**
On-Site	AOI03	VOC	Trichloroethene	79-01-6	C-B2	12	12	2.10E-02	3.30E+00	5.00E-03	5.00E-03	FM	**6.6E+02**
On-Site	AOI03	VOC	Vinyl Chloride	75-01-4	A	12	8	1.50E-03	3.25E-02	2.00E-03	2.00E-03	FM	**1.6E+01**
On-Site	AOI03	SVOC	Acetophenone	98-86-2	D	3	2	2.00E-04	2.00E-04				
On-Site	AOI03	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	11	11	4.00E-04	2.95E-02		6.11E-04	C	**4.8E+01**
On-Site	AOI03	SVOC	Naphthalene	91-20-3	C	3	1	1.13E-04	1.13E-04		7.30E-01	NC	1.5E-04
On-Site	AOI03	SVOC	N-Nitrosodiphenylamine	86-30-6	B2	3	2	3.00E-04	3.00E-04		1.37E-01	C	2.2E-03

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI03	INORG	Antimony	7440-36-0		11	2	1.80E-04	1.90E-04	6.00E-03	6.00E-03	FM	3.2E-02
On-Site	AOI03	INORG	Arsenic	7440-38-2	A	11	11	1.20E-03	1.47E-02	1.00E-02	1.00E-02	FM	**1.5E+00**
On-Site	AOI03	INORG	Barium	7440-39-3	D	11	11	2.53E-02	1.41E-01	2.00E+00	2.00E+00	FM	7.1E-02
On-Site	AOI03	INORG	Cadmium	7440-43-9	B1	11	5	8.90E-05	2.00E-04	5.00E-03	5.00E-03	FM	4.0E-02
On-Site	AOI03	INORG	Chromium (total)	7440-47-3		11	6	8.40E-04	2.19E-02	1.00E-01	1.00E-01	FM	2.2E-01
On-Site	AOI03	INORG	Cobalt	7440-48-4	B1	11	9	2.70E-04	8.70E-04		7.30E-01	NC	1.2E-03
On-Site	AOI03	INORG	Copper	7440-50-8	D	11	2	7.10E-03	7.80E-03	1.30E+00	1.30E+00	FM	6.0E-03
On-Site	AOI03	INORG	Lead	7439-92-1	B2	11	5	1.00E-04	1.00E-03	1.50E-02	1.50E-02	FM	6.7E-02
On-Site	AOI03	INORG	Manganese	7439-96-5	D	11	11	2.00E-03	2.31E+00		8.76E-01	NC	**2.6E+00**
On-Site	AOI03	INORG	Mercury	7439-97-6	D	11	1	6.10E-05	6.10E-05	2.00E-03	2.00E-03	FM	3.1E-02
On-Site	AOI03	INORG	Nickel	7440-02-0	A	11	9	1.50E-03	5.30E-03		7.30E-01	NC	7.3E-03
On-Site	AOI03	INORG	Selenium	7782-49-2	D	11	10	3.30E-03	2.12E-02	5.00E-02	5.00E-02	FM	4.2E-01
On-Site	AOI03	INORG	Thallium	7440-28-0		11	1	2.70E-05	2.70E-05	2.00E-03	2.00E-03	FM	1.4E-02
On-Site	AOI03	INORG	Vanadium	7440-62-2		11	10	4.20E-04	4.70E-03		3.65E-02	NC	1.3E-01
On-Site	AOI03	INORG	Zinc	7440-66-6	D	11	2	1.38E-02	2.77E-02		1.10E+01	NC	2.5E-03
On-Site	AOI06	VOC	Acetone	67-64-1	ID	13	8	6.10E-03	5.00E-02		3.29E+01	NC	1.5E-03
On-Site	AOI06	VOC	Benzene	71-43-2	A	14	13	1.20E-03	3.10E-01	5.00E-03	5.00E-03	FM	**6.2E+01**
On-Site	AOI06	VOC	2-Butanone	78-93-3	ID	6	1	1.30E-02	1.30E-02		2.19E+01	NC	5.9E-04
On-Site	AOI06	VOC	Carbon Disulfide	75-15-0		14	1	4.00E-04	4.00E-04		3.65E+00	NC	1.1E-04
On-Site	AOI06	VOC	Carbon Tetrachloride	56-23-5	B2	14	7	6.00E-04	1.90E-02	5.00E-03	5.00E-03	FM	**3.8E+00**
On-Site	AOI06	VOC	Chlorobenzene	108-90-7	D	14	14	8.00E-04	3.10E-01	1.00E-01	1.00E-01	FM	**3.1E+00**
On-Site	AOI06	VOC	Chloroform	67-66-3	B2	14	14	4.00E-04	9.40E-02	8.00E-02	8.00E-02	FM	**1.2E+00**
On-Site	AOI06	VOC	Cyclohexane	110-82-7	ID	14	5	2.00E-04	1.10E-03		6.21E+01	NC	1.8E-05
On-Site	AOI06	VOC	1,2-Dichlorobenzene	95-50-1	D	14	14	1.00E-03	1.50E-01	6.00E-01	6.00E-01	FM	2.5E-01
On-Site	AOI06	VOC	1,3-Dichlorobenzene	541-73-1	D	14	1	4.00E-04	4.00E-04		1.10E+00	NC	3.7E-04
On-Site	AOI06	VOC	1,4-Dichlorobenzene	106-46-7	C	14	12	8.00E-04	3.60E-03	7.50E-02	7.50E-02	FM	4.8E-02
On-Site	AOI06	VOC	Dichlorodifluoromethane	75-71-8		14	12	5.00E-04	7.20E-03		7.30E+00	NC	9.9E-04
On-Site	AOI06	VOC	1,1-Dichloroethane	75-34-3	C	14	14	1.30E-03	1.90E-02		3.65E+00	NC	5.2E-03
On-Site	AOI06	VOC	1,2-Dichloroethane	107-06-2	B2	14	14	2.20E-03	1.50E-01	5.00E-03	5.00E-03	FM	**3.0E+01**
On-Site	AOI06	VOC	1,1-Dichloroethene	75-35-4	C	14	14	1.60E-03	1.00E-02	7.00E-03	7.00E-03	FM	**1.4E+00**
On-Site	AOI06	VOC	cis-1,2-Dichloroethene	156-59-2	D	14	14	1.80E-02	1.10E-01	7.00E-02	7.00E-02	FM	**1.6E+00**
On-Site	AOI06	VOC	trans-1,2-Dichloroethene	156-60-5		14	14	1.60E-03	3.90E-02	1.00E-01	1.00E-01	FM	3.9E-01
On-Site	AOI06	VOC	Ethyl Benzene	100-41-4	D	14	2	4.00E-04	5.00E-04	7.00E-01	7.00E-01	FM	7.1E-04
On-Site	AOI06	VOC	Methyl Acetate	79-20-9		14	2	1.10E-02	2.20E-02		3.65E+01	NC	6.0E-04
On-Site	AOI06	VOC	Methyl tert-butyl ether	1634-04-4		14	12	3.00E-04	1.10E-03		3.74E-01	C	2.9E-03
On-Site	AOI06	VOC	Methylene Chloride	75-09-2	B2	14	5	5.50E-03	8.70E-02	5.00E-03	5.00E-03	FM	**1.7E+01**
On-Site	AOI06	VOC	Tetrachloroethene	127-18-4	C-B2	14	14	6.00E-04	1.40E-02	5.00E-03	5.00E-03	FM	**2.8E+00**

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI06	VOC	Toluene	108-88-3	D	14	2	1.30E-03	1.30E-03	1.00E+00	1.00E+00	FM	1.3E-03
On-Site	AOI06	VOC	1,2,4-Trichlorobenzene	120-82-1	D	14	1	7.00E-04	7.00E-04	7.00E-02	7.00E-02	FM	1.0E-02
On-Site	AOI06	VOC	1,1,1-Trichloroethane	71-55-6	D	14	1	1.90E-03	1.90E-03	2.00E-01	2.00E-01	FM	9.5E-03
On-Site	AOI06	VOC	1,1,2-Trichloroethane	79-00-5	C	14	12	7.00E-04	3.00E-03	5.00E-03	5.00E-03	FM	6.0E-01
On-Site	AOI06	VOC	Trichloroethene	79-01-6	C-B2	14	14	2.30E-02	8.70E-01	5.00E-03	5.00E-03	FM	**1.7E+02**
On-Site	AOI06	VOC	Trichlorofluoromethane	75-69-4		14	3	9.00E-04	1.40E-03		1.10E+01	NC	1.3E-04
On-Site	AOI06	VOC	Vinyl Chloride	75-01-4	A	14	13	1.70E-03	2.30E-02	2.00E-03	2.00E-03	FM	**1.2E+01**
On-Site	AOI06	VOC	Xylenes (total)	1330-20-7	ID	14	5	6.00E-04	2.10E-03	1.00E+01	1.00E+01	FM	2.1E-04
On-Site	AOI06	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	14	14	1.80E-03	9.20E-03		6.11E-04	C	**1.5E+01**
On-Site	AOI06	SVOC	2-Chlorophenol	95-57-8		3	2	3.00E-04	6.00E-04		1.83E-01	NC	3.3E-03
On-Site	AOI06	SVOC	Methylphenol (total)	1319-77-3		3	1	9.00E-04	9.00E-04		1.83E-01	NC	4.9E-03
On-Site	AOI06	SVOC	Naphthalene	91-20-3	C	3	2	4.00E-04	5.00E-04		7.30E-01	NC	6.8E-04
On-Site	AOI06	SVOC	N-Nitrosodiphenylamine	86-30-6	B2	3	1	5.00E-04	5.00E-04		1.37E-01	C	3.6E-03
On-Site	AOI06	INORG	Antimony	7440-36-0		14	4	6.80E-05	4.90E-04	6.00E-03	6.00E-03	FM	8.2E-02
On-Site	AOI06	INORG	Arsenic	7440-38-2	A	14	14	1.50E-03	4.30E-03	1.00E-02	1.00E-02	FM	4.3E-01
On-Site	AOI06	INORG	Barium	7440-39-3	D	14	14	2.10E-02	2.71E-01	2.00E+00	2.00E+00	FM	1.4E-01
On-Site	AOI06	INORG	Cadmium	7440-43-9	B1	14	5	1.10E-04	8.90E-04	5.00E-03	5.00E-03	FM	1.8E-01
On-Site	AOI06	INORG	Chromium (total)	7440-47-3		14	3	3.40E-04	4.80E-03	1.00E-01	1.00E-01	FM	4.8E-02
On-Site	AOI06	INORG	Cobalt	7440-48-4	B1	14	11	2.30E-04	9.40E-04		7.30E-01	NC	1.3E-03
On-Site	AOI06	INORG	Copper	7440-50-8	D	14	8	1.60E-03	1.03E-02	1.30E+00	1.30E+00	FM	7.9E-03
On-Site	AOI06	INORG	Lead	7439-92-1	B2	14	10	1.30E-04	1.50E-03	1.50E-02	1.50E-02	FM	1.0E-01
On-Site	AOI06	INORG	Manganese	7439-96-5	D	14	14	2.28E-02	1.16E+00		8.76E-01	NC	**1.3E+00**
On-Site	AOI06	INORG	Mercury	7439-97-6	D	14	1	4.60E-05	4.60E-05	2.00E-03	2.00E-03	FM	2.3E-02
On-Site	AOI06	INORG	Nickel	7440-02-0	A	14	12	3.00E-03	1.19E-02		7.30E-01	NC	1.6E-02
On-Site	AOI06	INORG	Selenium	7782-49-2	D	14	14	2.50E-03	1.08E-02	5.00E-02	5.00E-02	FM	2.2E-01
On-Site	AOI06	INORG	Thallium	7440-28-0		14	1	1.80E-05	1.80E-05	2.00E-03	2.00E-03	FM	9.0E-03
On-Site	AOI06	INORG	Vanadium	7440-62-2		14	12	5.20E-04	1.02E-02		3.65E-02	NC	2.8E-01
On-Site	AOI06	INORG	Zinc	7440-66-6	D	14	5	5.00E-03	3.04E-02		1.10E+01	NC	2.8E-03
On-Site	AOI11	VOC	Acetone	67-64-1	ID	6	1	4.50E-03	4.50E-03		3.29E+01	NC	1.4E-04
On-Site	AOI11	VOC	Chlorobenzene	108-90-7	D	6	5	6.00E-04	1.00E-03	1.00E-01	1.00E-01	FM	1.0E-02
On-Site	AOI11	VOC	1,1-Dichloroethane	75-34-3	C	6	6	1.50E-03	3.70E-03		3.65E+00	NC	1.0E-03
On-Site	AOI11	VOC	1,1-Dichloroethene	75-35-4	C	6	6	1.20E-02	2.40E-02	7.00E-03	7.00E-03	FM	**3.4E+00**
On-Site	AOI11	VOC	cis-1,2-Dichloroethene	156-59-2	D	6	6	1.70E-02	4.40E-02	7.00E-02	7.00E-02	FM	6.3E-01
On-Site	AOI11	VOC	trans-1,2-Dichloroethene	156-60-5		6	6	1.30E-03	3.50E-03	1.00E-01	1.00E-01	FM	3.5E-02
On-Site	AOI11	VOC	Trichloroethene	79-01-6	C-B2	6	6	6.70E-02	1.20E-01	5.00E-03	5.00E-03	FM	**2.4E+01**
On-Site	AOI11	VOC	Vinyl Chloride	75-01-4	A	6	4	6.00E-04	8.00E-04	2.00E-03	2.00E-03	FM	4.0E-01
On-Site	AOI11	INORG	Arsenic	7440-38-2	A	5	5	8.60E-04	2.00E-03	1.00E-02	1.00E-02	FM	2.0E-01

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI11	INORG	Barium	7440-39-3	D	5	5	8.17E-02	5.00E-01	2.00E+00	2.00E+00	FM	2.5E-01
On-Site	AOI11	INORG	Cadmium	7440-43-9	B1	5	3	4.00E-04	1.40E-03	5.00E-03	5.00E-03	FM	2.8E-01
On-Site	AOI11	INORG	Chromium (total)	7440-47-3		5	1	8.00E-04	8.00E-04	1.00E-01	1.00E-01	FM	8.0E-03
On-Site	AOI11	INORG	Cobalt	7440-48-4	B1	5	4	2.50E-04	3.40E-04		7.30E-01	NC	4.7E-04
On-Site	AOI11	INORG	Copper	7440-50-8	D	5	1	6.80E-04	6.80E-04	1.30E+00	1.30E+00	FM	5.2E-04
On-Site	AOI11	INORG	Lead	7439-92-1	B2	5	2	3.10E-04	7.30E-04	1.50E-02	1.50E-02	FM	4.9E-02
On-Site	AOI11	INORG	Manganese	7439-96-5	D	5	5	1.02E-02	5.15E-01		8.76E-01	NC	5.9E-01
On-Site	AOI11	INORG	Nickel	7440-02-0	A	5	5	1.90E-03	4.50E-03		7.30E-01	NC	6.2E-03
On-Site	AOI11	INORG	Selenium	7782-49-2	D	5	5	1.20E-03	1.50E-03	5.00E-02	5.00E-02	FM	3.0E-02
On-Site	AOI11	INORG	Vanadium	7440-62-2		5	2	4.60E-04	7.30E-04		3.65E-02	NC	2.0E-02
On-Site	AOI16	VOC	Acetone	67-64-1	ID	16	3	7.30E-03	1.80E-02		3.29E+01	NC	5.5E-04
On-Site	AOI16	VOC	Benzene	71-43-2	A	16	4	3.00E-04	4.00E-04	5.00E-03	5.00E-03	FM	8.0E-02
On-Site	AOI16	VOC	Chlorobenzene	108-90-7	D	16	12	4.00E-04	1.20E-02	1.00E-01	1.00E-01	FM	1.2E-01
On-Site	AOI16	VOC	Chloroform	67-66-3	B2	16	5	4.00E-04	8.00E-04	8.00E-02	8.00E-02	FM	1.0E-02
On-Site	AOI16	VOC	1,1-Dichloroethane	75-34-3	C	16	1	3.00E-04	3.00E-04		3.65E+00	NC	8.2E-05
On-Site	AOI16	VOC	1,2-Dichloroethane	107-06-2	B2	16	14	1.20E-03	4.80E-02	5.00E-03	5.00E-03	FM	**9.6E+00**
On-Site	AOI16	VOC	1,1-Dichloroethene	75-35-4	C	16	5	5.00E-04	1.00E-03	7.00E-03	7.00E-03	FM	1.4E-01
On-Site	AOI16	VOC	cis-1,2-Dichloroethene	156-59-2	D	16	16	1.70E-03	5.20E-02	7.00E-02	7.00E-02	FM	7.4E-01
On-Site	AOI16	VOC	trans-1,2-Dichloroethene	156-60-5		16	13	1.00E-03	1.10E-02	1.00E-01	1.00E-01	FM	1.1E-01
On-Site	AOI16	VOC	Methyl Acetate	79-20-9		16	1	8.10E-03	8.10E-03		3.65E+01	NC	2.2E-04
On-Site	AOI16	VOC	Methyl tert-butyl ether	1634-04-4		16	5	4.00E-04	3.30E-03		3.74E-01	C	8.8E-03
On-Site	AOI16	VOC	Tetrachloroethene	127-18-4	C-B2	16	16	9.00E-04	1.20E-02	5.00E-03	5.00E-03	FM	**2.4E+00**
On-Site	AOI16	VOC	1,1,2-Trichloroethane	79-00-5	C	16	6	4.00E-04	1.30E-03	5.00E-03	5.00E-03	FM	2.6E-01
On-Site	AOI16	VOC	Trichloroethene	79-01-6	C-B2	16	16	3.30E-02	3.80E-01	5.00E-03	5.00E-03	FM	**7.6E+01**
On-Site	AOI16	VOC	Vinyl Chloride	75-01-4	A	16	1	4.00E-04	4.00E-04	2.00E-03	2.00E-03	FM	2.0E-01
On-Site	AOI16	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	16	15	4.00E-04	9.40E-03		6.11E-04	C	**1.5E+01**
On-Site	AOI16	SVOC	Fluoranthene	206-44-0	D	4	1	7.00E-04	7.00E-04		1.46E+00	NC	4.8E-04
On-Site	AOI16	SVOC	Phenanthrene	85-01-8	D	4	1	5.00E-04	5.00E-04		1.10E+00	NC	4.6E-04
On-Site	AOI16	SVOC	Pyrene	129-00-0	D	4	1	5.00E-04	5.00E-04		1.10E+00	NC	4.6E-04
On-Site	AOI16	INORG	Antimony	7440-36-0		16	1	6.00E-04	6.00E-04	6.00E-03	6.00E-03	FM	1.0E-01
On-Site	AOI16	INORG	Arsenic	7440-38-2	A	16	16	1.70E-03	4.00E-03	1.00E-02	1.00E-02	FM	4.0E-01
On-Site	AOI16	INORG	Barium	7440-39-3	D	16	16	1.04E-01	4.21E-01	2.00E+00	2.00E+00	FM	2.1E-01
On-Site	AOI16	INORG	Cadmium	7440-43-9	B1	16	15	1.10E-04	2.40E-03	5.00E-03	5.00E-03	FM	4.8E-01
On-Site	AOI16	INORG	Chromium (total)	7440-47-3		16	2	1.80E-04	2.70E-04	1.00E-01	1.00E-01	FM	2.7E-03
On-Site	AOI16	INORG	Cobalt	7440-48-4	B1	16	16	6.65E-05	3.70E-03		7.30E-01	NC	5.1E-03
On-Site	AOI16	INORG	Copper	7440-50-8	D	16	4	6.30E-04	3.05E-02	1.30E+00	1.30E+00	FM	2.3E-02
On-Site	AOI16	INORG	Lead	7439-92-1	B2	16	5	3.10E-04	3.80E-03	1.50E-02	1.50E-02	FM	2.5E-01

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI16	INORG	Manganese	7439-96-5	D	16	16	2.03E-02	2.84E+00		8.76E-01	NC	3.2E+00
On-Site	AOI16	INORG	Nickel	7440-02-0	A	16	15	1.40E-03	6.80E-03		7.30E-01	NC	9.3E-03
On-Site	AOI16	INORG	Selenium	7782-49-2	D	16	14	1.70E-03	8.00E-03	5.00E-02	5.00E-02	FM	1.6E-01
On-Site	AOI16	INORG	Vanadium	7440-62-2		16	14	7.50E-04	7.00E-03		3.65E-02	NC	1.9E-01
On-Site	AOI16	INORG	Zinc	7440-66-6	D	16	1	2.46E-02	2.46E-02		1.10E+01	NC	2.2E-03
On-Site	AOI26	VOC	Acetone	67-64-1	ID	2	2	6.50E-03	1.00E-02		3.29E+01	NC	3.0E-04
On-Site	AOI26	VOC	Benzene	71-43-2	A	2	2	3.20E-02	5.10E-02	5.00E-03	5.00E-03	FM	1.0E+01
On-Site	AOI26	VOC	2-Butanone	78-93-3	ID	1	1	1.20E-03	1.20E-03		2.19E+01	NC	5.5E-05
On-Site	AOI26	VOC	Carbon Disulfide	75-15-0		2	2	7.00E-04	8.00E-04		3.65E+00	NC	2.2E-04
On-Site	AOI26	VOC	Chlorobenzene	108-90-7	D	2	2	1.60E-02	2.00E-02	1.00E-01	1.00E-01	FM	2.0E-01
On-Site	AOI26	VOC	1,1-Dichloroethane	75-34-3	C	2	1	3.00E-04	3.00E-04		3.65E+00	NC	8.2E-05
On-Site	AOI26	VOC	1,2-Dichloroethane	107-06-2	B2	2	2	5.80E-02	7.70E-02	5.00E-03	5.00E-03	FM	1.5E+01
On-Site	AOI26	VOC	1,1-Dichloroethene	75-35-4	C	2	2	2.10E-03	3.50E-03	7.00E-03	7.00E-03	FM	5.0E-01
On-Site	AOI26	VOC	cis-1,2-Dichloroethene	156-59-2	D	2	2	1.40E-01	2.20E-01	7.00E-02	7.00E-02	FM	3.1E+00
On-Site	AOI26	VOC	trans-1,2-Dichloroethene	156-60-5		2	2	1.90E-02	3.30E-02	1.00E-01	1.00E-01	FM	3.3E-01
On-Site	AOI26	VOC	1,2-Dichloropropane	78-87-5	B2	2	2	4.00E-04	4.00E-04	5.00E-03	5.00E-03	FM	8.0E-02
On-Site	AOI26	VOC	Tetrachloroethene	127-18-4	C-B2	2	2	9.00E-04	1.10E-03	5.00E-03	5.00E-03	FM	2.2E-01
On-Site	AOI26	VOC	Toluene	108-88-3	D	2	2	4.00E-04	7.00E-04	1.00E+00	1.00E+00	FM	7.0E-04
On-Site	AOI26	VOC	1,1,2-Trichloroethane	79-00-5	C	2	2	6.00E-04	6.00E-04	5.00E-03	5.00E-03	FM	1.2E-01
On-Site	AOI26	VOC	Trichloroethene	79-01-6	C-B2	2	2	3.00E-01	3.80E-01	5.00E-03	5.00E-03	FM	7.6E+01
On-Site	AOI26	VOC	Vinyl Chloride	75-01-4	A	2	2	2.70E-03	3.30E-03	2.00E-03	2.00E-03	FM	1.7E+00
On-Site	AOI26	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	2	2	3.50E-03	4.00E-03		6.11E-04	C	6.5E+00
On-Site	AOI26	INORG	Arsenic	7440-38-2	A	2	2	8.70E-03	8.70E-03	1.00E-02	1.00E-02	FM	8.7E-01
On-Site	AOI26	INORG	Barium	7440-39-3	D	2	2	2.60E-01	3.35E-01	2.00E+00	2.00E+00	FM	1.7E-01
On-Site	AOI26	INORG	Chromium (total)	7440-47-3		2	1	2.70E-03	2.70E-03	1.00E-01	1.00E-01	FM	2.7E-02
On-Site	AOI26	INORG	Cobalt	7440-48-4	B1	2	2	1.90E-04	3.10E-04		7.30E-01	NC	4.2E-04
On-Site	AOI26	INORG	Manganese	7439-96-5	D	2	2	1.99E-01	2.96E-01		8.76E-01	NC	3.4E-01
On-Site	AOI26	INORG	Nickel	7440-02-0	A	2	2	2.10E-03	2.30E-03		7.30E-01	NC	3.2E-03
On-Site	AOI26	INORG	Selenium	7782-49-2	D	2	2	2.34E-02	2.43E-02	5.00E-02	5.00E-02	FM	4.9E-01
On-Site	AOI26	INORG	Vanadium	7440-62-2		2	2	1.90E-03	8.00E-03		3.65E-02	NC	2.2E-01
On-Site	AOI28	VOC	Benzene	71-43-2	A	33	1	7.00E-04	7.00E-04	5.00E-03	5.00E-03	FM	1.4E-01
On-Site	AOI28	VOC	Carbon Disulfide	75-15-0		33	5	7.00E-04	3.80E-03		3.65E+00	NC	1.0E-03
On-Site	AOI28	VOC	Chlorobenzene	108-90-7	D	33	7	9.00E-04	1.70E-02	1.00E-01	1.00E-01	FM	1.7E-01
On-Site	AOI28	VOC	Chloroform	67-66-3	B2	33	1	3.00E-04	3.00E-04	8.00E-02	8.00E-02	FM	3.8E-03
On-Site	AOI28	VOC	Cyclohexane	110-82-7	ID	33	1	1.20E-03	1.20E-03		6.21E+01	NC	1.9E-05
On-Site	AOI28	VOC	1,2-Dichlorobenzene	95-50-1	D	33	4	8.00E-04	1.50E-03	6.00E-01	6.00E-01	FM	2.5E-03
On-Site	AOI28	VOC	Dichlorodifluoromethane	75-71-8		33	2	7.00E-04	8.00E-04		7.30E+00	NC	1.1E-04

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI28	VOC	1,1-Dichloroethane	75-34-3	C	33	7	6.00E-04	1.80E-03		3.65E+00	NC	4.9E-04
On-Site	AOI28	VOC	1,2-Dichloroethane	107-06-2	B2	33	7	7.00E-04	7.40E-03	5.00E-03	5.00E-03	FM	1.5E+00
On-Site	AOI28	VOC	1,1-Dichloroethene	75-35-4	C	33	15	1.00E-03	8.50E-03	7.00E-03	7.00E-03	FM	1.2E+00
On-Site	AOI28	VOC	cis-1,2-Dichloroethene	156-59-2	D	33	20	4.50E-04	7.70E-02	7.00E-02	7.00E-02	FM	1.1E+00
On-Site	AOI28	VOC	trans-1,2-Dichloroethene	156-60-5		33	10	4.00E-04	4.70E-03	1.00E-01	1.00E-01	FM	4.7E-02
On-Site	AOI28	VOC	Ethyl Benzene	100-41-4	D	33	1	5.00E-04	5.00E-04	7.00E-01	7.00E-01	FM	7.1E-04
On-Site	AOI28	VOC	Methyl tert-butyl ether	1634-04-4		33	15	5.00E-04	2.50E-03		3.74E-01	C	6.7E-03
On-Site	AOI28	VOC	Toluene	108-88-3	D	33	1	4.00E-03	4.00E-03	1.00E+00	1.00E+00	FM	4.0E-03
On-Site	AOI28	VOC	Trichloroethene	79-01-6	C-B2	33	22	4.00E-04	6.00E-01	5.00E-03	5.00E-03	FM	1.2E+02
On-Site	AOI28	VOC	Vinyl Chloride	75-01-4	A	33	3	5.00E-04	1.20E-03	2.00E-03	2.00E-03	FM	6.0E-01
On-Site	AOI28	VOC	Xylenes (total)	1330-20-7	ID	33	1	3.30E-03	3.30E-03	1.00E+01	1.00E+01	FM	3.3E-04
On-Site	AOI28	SVOC	Acenaphthene	83-32-9		6	1	8.00E-04	8.00E-04		2.19E+00	NC	3.7E-04
On-Site	AOI28	SVOC	Anthracene	120-12-7	D	6	1	4.00E-04	4.00E-04		1.10E+01	NC	3.7E-05
On-Site	AOI28	SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	B2	6	1	3.00E-03	3.00E-03	6.00E-03	6.00E-03	FM	5.0E-01
On-Site	AOI28	SVOC	Carbazole	86-74-8	B2	6	1	1.60E-03	1.60E-03		3.36E-02	C	4.8E-02
On-Site	AOI28	SVOC	Dibenzofuran	132-64-9	D	6	1	6.00E-04	6.00E-04		7.30E-02	NC	8.2E-03
On-Site	AOI28	SVOC	Fluorene	86-73-7	D	6	1	7.00E-04	7.00E-04		1.46E+00	NC	4.8E-04
On-Site	AOI28	SVOC	2-Methylnaphthalene	91-57-6	ID	6	1	6.00E-04	6.00E-04		7.30E-01	NC	8.2E-04
On-Site	AOI28	SVOC	Naphthalene	91-20-3	C	6	1	3.50E-03	3.50E-03		7.30E-01	NC	4.8E-03
On-Site	AOI28	SVOC	Phenanthrene	85-01-8	D	6	1	1.50E-03	1.50E-03		1.10E+00	NC	1.4E-03
On-Site	AOI28	INORG	Antimony	7440-36-0		32	8	1.38E-04	5.00E-04	6.00E-03	6.00E-03	FM	8.3E-02
On-Site	AOI28	INORG	Arsenic	7440-38-2	A	32	20	4.80E-04	2.70E-03	1.00E-02	1.00E-02	FM	2.7E-01
On-Site	AOI28	INORG	Barium	7440-39-3	D	32	32	3.85E-02	1.08E+00	2.00E+00	2.00E+00	FM	5.4E-01
On-Site	AOI28	INORG	Cadmium	7440-43-9	B1	32	11	1.20E-04	5.40E-03	5.00E-03	5.00E-03	FM	1.1E+00
On-Site	AOI28	INORG	Chromium (total)	7440-47-3		32	3	3.80E-04	7.40E-03	1.00E-01	1.00E-01	FM	7.4E-02
On-Site	AOI28	INORG	Cobalt	7440-48-4	B1	32	22	1.30E-04	9.80E-04		7.30E-01	NC	1.3E-03
On-Site	AOI28	INORG	Copper	7440-50-8	D	32	3	5.10E-04	1.20E-03	1.30E+00	1.30E+00	FM	9.2E-04
On-Site	AOI28	INORG	Lead	7439-92-1	B2	32	19	9.80E-05	2.10E-03	1.50E-02	1.50E-02	FM	1.4E-01
On-Site	AOI28	INORG	Manganese	7439-96-5	D	32	31	2.10E-03	1.07E+00		8.76E-01	NC	1.2E+00
On-Site	AOI28	INORG	Mercury	7439-97-6	D	32	1	1.70E-04	1.70E-04	2.00E-03	2.00E-03	FM	8.5E-02
On-Site	AOI28	INORG	Nickel	7440-02-0	A	32	25	1.60E-03	5.40E-03		7.30E-01	NC	7.4E-03
On-Site	AOI28	INORG	Selenium	7782-49-2	D	32	23	6.50E-04	9.30E-03	5.00E-02	5.00E-02	FM	1.9E-01
On-Site	AOI28	INORG	Vanadium	7440-62-2		32	13	3.20E-04	1.40E-03		3.65E-02	NC	3.8E-02
On-Site	AOI28	INORG	Zinc	7440-66-6	D	32	6	9.80E-03	5.50E-02		1.10E+01	NC	5.0E-03
On-Site	AOI29	VOC	Benzene	71-43-2	A	7	5	6.00E-04	1.00E-01	5.00E-03	5.00E-03	FM	2.0E+01
On-Site	AOI29	VOC	Carbon Tetrachloride	56-23-5	B2	7	5	1.60E-03	5.40E-02	5.00E-03	5.00E-03	FM	1.1E+01
On-Site	AOI29	VOC	Chlorobenzene	108-90-7	D	7	4	7.60E-03	4.15E-02	1.00E-01	1.00E-01	FM	4.2E-01

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI29	VOC	Chloroform	67-66-3	B2	7	5	3.10E-03	8.05E-02	8.00E-02	8.00E-02	FM	1.0E+00
On-Site	AOI29	VOC	1,2-Dichlorobenzene	95-50-1	D	7	4	4.60E-03	3.20E-02	6.00E-01	6.00E-01	FM	5.3E-02
On-Site	AOI29	VOC	1,4-Dichlorobenzene	106-46-7	C	7	1	5.00E-04	5.00E-04	7.50E-02	7.50E-02	FM	6.7E-03
On-Site	AOI29	VOC	Dichlorodifluoromethane	75-71-8		7	4	8.00E-04	2.40E-03		7.30E+00	NC	3.3E-04
On-Site	AOI29	VOC	1,1-Dichloroethane	75-34-3	C	7	1	7.00E-04	7.00E-04		3.65E+00	NC	1.9E-04
On-Site	AOI29	VOC	1,2-Dichloroethane	107-06-2	B2	7	4	6.50E-03	3.60E-02	5.00E-03	5.00E-03	FM	**7.2E+00**
On-Site	AOI29	VOC	1,1-Dichloroethene	75-35-4	C	7	2	6.00E-04	9.00E-04	7.00E-03	7.00E-03	FM	1.3E-01
On-Site	AOI29	VOC	cis-1,2-Dichloroethene	156-59-2	D	7	4	3.70E-03	1.50E-02	7.00E-02	7.00E-02	FM	2.1E-01
On-Site	AOI29	VOC	trans-1,2-Dichloroethene	156-60-5		7	4	2.10E-03	9.35E-03	1.00E-01	1.00E-01	FM	9.4E-02
On-Site	AOI29	VOC	Ethyl Benzene	100-41-4	D	7	1	3.03E-04	3.03E-04	7.00E-01	7.00E-01	FM	4.3E-04
On-Site	AOI29	VOC	Methyl Acetate	79-20-9		7	1	1.04E-02	1.04E-02		3.65E+01	NC	2.8E-04
On-Site	AOI29	VOC	Methylene Chloride	75-09-2	B2	7	3	3.80E-03	4.55E-02	5.00E-03	5.00E-03	FM	**9.1E+00**
On-Site	AOI29	VOC	Tetrachloroethene	127-18-4	C-B2	7	4	1.10E-03	5.10E-03	5.00E-03	5.00E-03	FM	1.0E+00
On-Site	AOI29	VOC	Toluene	108-88-3	D	7	1	4.23E-04	4.23E-04	1.00E+00	1.00E+00	FM	4.2E-04
On-Site	AOI29	VOC	Trichloroethene	79-01-6	C-B2	7	6	3.00E-04	1.60E-01	5.00E-03	5.00E-03	FM	**3.2E+01**
On-Site	AOI29	VOC	Vinyl Chloride	75-01-4	A	7	4	6.00E-04	4.75E-03	2.00E-03	2.00E-03	FM	**2.4E+00**
On-Site	AOI29	VOC	Xylenes (total)	1330-20-7	ID	7	1	1.82E-03	1.82E-03	1.00E+01	1.00E+01	FM	1.8E-04
On-Site	AOI29	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	6	1	1.10E-03	1.10E-03		6.11E-04	C	**1.8E+00**
On-Site	AOI29	INORG	Antimony	7440-36-0		6	5	1.90E-04	1.10E-03	6.00E-03	6.00E-03	FM	1.8E-01
On-Site	AOI29	INORG	Arsenic	7440-38-2	A	6	5	9.60E-04	2.00E-03	1.00E-02	1.00E-02	FM	2.0E-01
On-Site	AOI29	INORG	Barium	7440-39-3	D	6	6	2.45E-02	4.05E-01	2.00E+00	2.00E+00	FM	2.0E-01
On-Site	AOI29	INORG	Cadmium	7440-43-9	B1	6	5	1.10E-04	5.90E-04	5.00E-03	5.00E-03	FM	1.2E-01
On-Site	AOI29	INORG	Chromium (total)	7440-47-3		6	6	3.40E-04	1.56E-02	1.00E-01	1.00E-01	FM	1.6E-01
On-Site	AOI29	INORG	Cobalt	7440-48-4	B1	6	6	2.10E-04	5.50E-03		7.30E-01	NC	7.5E-03
On-Site	AOI29	INORG	Copper	7440-50-8	D	6	4	8.80E-03	5.63E-02	1.30E+00	1.30E+00	FM	4.3E-02
On-Site	AOI29	INORG	Lead	7439-92-1	B2	6	4	1.40E-03	8.90E-03	1.50E-02	1.50E-02	FM	5.9E-01
On-Site	AOI29	INORG	Manganese	7439-96-5	D	6	6	2.62E-02	3.12E-01		8.76E-01	NC	3.6E-01
On-Site	AOI29	INORG	Nickel	7440-02-0	A	6	5	1.80E-03	1.38E-02		7.30E-01	NC	1.9E-02
On-Site	AOI29	INORG	Selenium	7782-49-2	D	6	5	9.30E-04	4.20E-03	5.00E-02	5.00E-02	FM	8.4E-02
On-Site	AOI29	INORG	Vanadium	7440-62-2		6	6	1.10E-03	2.63E-02		3.65E-02	NC	7.2E-01
On-Site	AOI29	INORG	Zinc	7440-66-6	D	6	2	2.14E-02	2.55E-02		1.10E+01	NC	2.3E-03
On-Site	General	VOC	Acetone	67-64-1	ID	80	15	3.65E-03	1.80E-02		3.29E+01	NC	5.5E-04
On-Site	General	VOC	Benzene	71-43-2	A	80	36	2.08E-04	1.00E+00	5.00E-03	5.00E-03	FM	**2.0E+02**
On-Site	General	VOC	Bromodichloromethane	75-27-4	B2	81	1	1.80E-03	1.80E-03	8.00E-02	8.00E-02	FM	2.3E-02
On-Site	General	VOC	Carbon Disulfide	75-15-0		80	14	5.00E-04	9.00E-03		3.65E+00	NC	2.5E-03
On-Site	General	VOC	Carbon Tetrachloride	56-23-5	B2	80	6	4.00E-04	3.90E-02	5.00E-03	5.00E-03	FM	**7.8E+00**
On-Site	General	VOC	Chlorobenzene	108-90-7	D	80	41	3.35E-04	8.10E-01	1.00E-01	1.00E-01	FM	**8.1E+00**

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	General	VOC	Chloroform	67-66-3	B2	81	48	6.00E-04	2.90E-01	8.00E-02	8.00E-02	FM	**3.6E+00**
On-Site	General	VOC	Chloromethane	74-87-3	D	80	2	6.00E-04	7.30E-03		9.49E-01	NC	7.7E-03
On-Site	General	VOC	Cyclohexane	110-82-7	ID	80	4	3.50E-04	1.20E-03		6.21E+01	NC	1.9E-05
On-Site	General	VOC	Dibromochloromethane	124-48-1	C	81	1	8.50E-04	8.50E-04	8.00E-02	8.00E-02	FM	1.1E-02
On-Site	General	VOC	1,2-Dichlorobenzene	95-50-1	D	81	27	5.00E-04	3.60E-02	6.00E-01	6.00E-01	FM	6.0E-02
On-Site	General	VOC	1,3-Dichlorobenzene	541-73-1	D	80	1	2.00E-04	2.00E-04		1.10E+00	NC	1.8E-04
On-Site	General	VOC	1,4-Dichlorobenzene	106-46-7	C	80	12	4.00E-04	1.00E-03	7.50E-02	7.50E-02	FM	1.3E-02
On-Site	General	VOC	Dichlorodifluoromethane	75-71-8		80	14	5.00E-04	4.80E-03		7.30E+00	NC	6.6E-04
On-Site	General	VOC	1,1-Dichloroethane	75-34-3	C	80	37	4.00E-04	1.40E-01		3.65E+00	NC	3.8E-02
On-Site	General	VOC	1,2-Dichloroethane	107-06-2	B2	81	45	4.00E-04	4.40E-01	5.00E-03	5.00E-03	FM	**8.8E+01**
On-Site	General	VOC	1,1-Dichloroethene	75-35-4	C	80	45	5.00E-04	1.20E-01	7.00E-03	7.00E-03	FM	**1.7E+01**
On-Site	General	VOC	cis-1,2-Dichloroethene	156-59-2	D	81	64	9.00E-04	1.90E+00	7.00E-02	7.00E-02	FM	**2.7E+01**
On-Site	General	VOC	trans-1,2-Dichloroethene	156-60-5		81	59	3.00E-04	5.50E-01	1.00E-01	1.00E-01	FM	**5.5E+00**
On-Site	General	VOC	Ethyl Benzene	100-41-4	D	80	1	6.00E-04	6.00E-04	7.00E-01	7.00E-01	FM	8.6E-04
On-Site	General	VOC	Methyl Acetate	79-20-9		80	2	8.80E-03	1.30E-02		3.65E+01	NC	3.6E-04
On-Site	General	VOC	Methyl tert-butyl ether	1634-04-4		81	40	4.00E-04	5.40E-02		3.74E-01	C	1.4E-01
On-Site	General	VOC	Methylene Chloride	75-09-2	B2	80	6	3.28E-04	2.70E-02	5.00E-03	5.00E-03	FM	**5.4E+00**
On-Site	General	VOC	1,1,2,2-Tetrachloroethane	79-34-5	C	80	2	1.00E-02	2.40E-02		3.36E-03	C	**7.1E+00**
On-Site	General	VOC	Tetrachloroethene	127-18-4	C-B2	81	44	5.00E-04	6.00E-01	5.00E-03	5.00E-03	FM	**1.2E+02**
On-Site	General	VOC	Toluene	108-88-3	D	81	9	3.00E-04	8.80E-03	1.00E+00	1.00E+00	FM	8.8E-03
On-Site	General	VOC	1,1,1-Trichloroethane	71-55-6	D	80	1	2.60E-03	2.60E-03	2.00E-01	2.00E-01	FM	1.3E-02
On-Site	General	VOC	1,1,2-Trichloroethane	79-00-5	C	80	23	5.00E-04	5.10E-02	5.00E-03	5.00E-03	FM	**1.0E+01**
On-Site	General	VOC	Trichloroethene	79-01-6	C-B2	81	70	4.00E-04	1.80E+01	5.00E-03	5.00E-03	FM	**3.6E+03**
On-Site	General	VOC	Trichlorofluoromethane	75-69-4		75	3	4.00E-04	4.80E-03		1.10E+01	NC	4.4E-04
On-Site	General	VOC	Vinyl Chloride	75-01-4	A	80	43	5.00E-04	1.40E-01	2.00E-03	2.00E-03	FM	**7.0E+01**
On-Site	General	VOC	Xylenes (total)	1330-20-7	ID	80	3	1.10E-03	3.00E-03	1.00E+01	1.00E+01	FM	3.0E-04
On-Site	General	SVOC	Acetophenone	98-86-2	D	5	1	4.00E-04	4.00E-04				
On-Site	General	SVOC	Benzaldehyde	100-52-7		5	1	4.00E-04	4.00E-04		3.65E+00	NC	1.1E-04
On-Site	General	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	79	41	2.00E-04	4.30E-02		6.11E-04	C	**7.0E+01**
On-Site	General	SVOC	Caprolactam	105-60-2		5	1	4.70E-03	4.70E-03		1.83E+01	NC	2.6E-04
On-Site	General	INORG	Antimony	7440-36-0		77	17	5.53E-05	3.00E-03	6.00E-03	6.00E-03	FM	5.0E-01
On-Site	General	INORG	Arsenic	7440-38-2	A	77	66	4.13E-04	4.10E-02	1.00E-02	1.00E-02	FM	**4.1E+00**
On-Site	General	INORG	Barium	7440-39-3	D	77	77	3.50E-02	1.14E+00	2.00E+00	2.00E+00	FM	5.7E-01
On-Site	General	INORG	Beryllium	7440-41-7	B1	77	1	1.20E-03	1.20E-03	4.00E-03	4.00E-03	FM	3.0E-01
On-Site	General	INORG	Cadmium	7440-43-9	B1	77	28	1.00E-04	1.70E-03	5.00E-03	5.00E-03	FM	3.4E-01
On-Site	General	INORG	Chromium (total)	7440-47-3		77	30	2.10E-04	5.78E-02	1.00E-01	1.00E-01	FM	5.8E-01
On-Site	General	INORG	Cobalt	7440-48-4	B1	77	71	9.80E-05	1.38E-02		7.30E-01	NC	1.9E-02

Table 3.2.2: Weathered Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	MCL FED (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	General	INORG	Copper	7440-50-8	D	77	37	7.10E-04	5.75E-02	1.30E+00	1.30E+00	FM	4.4E-02
On-Site	General	INORG	Lead	7439-92-1	B2	77	43	1.70E-04	1.95E-02	1.50E-02	1.50E-02	FM	1.3E+00
On-Site	General	INORG	Manganese	7439-96-5	D	77	76	2.60E-03	1.71E+00		8.76E-01	NC	2.0E+00
On-Site	General	INORG	Mercury	7439-97-6	D	77	10	2.68E-05	8.80E-04	2.00E-03	2.00E-03	FM	4.4E-01
On-Site	General	INORG	Nickel	7440-02-0	A	77	74	8.40E-04	4.57E-02		7.30E-01	NC	6.3E-02
On-Site	General	INORG	Selenium	7782-49-2	D	77	71	5.83E-04	5.41E-02	5.00E-02	5.00E-02	FM	1.1E+00
On-Site	General	INORG	Silver	7440-22-4	D	76	3	5.00E-05	7.80E-05		1.83E-01	NC	4.3E-04
On-Site	General	INORG	Thallium	7440-28-0		77	11	1.60E-05	1.60E-04	2.00E-03	2.00E-03	FM	8.0E-02
On-Site	General	INORG	Vanadium	7440-62-2		77	49	4.20E-04	3.91E-02		3.65E-02	NC	1.1E+00
On-Site	General	INORG	Zinc	7440-66-6	D	77	24	7.20E-03	1.60E-01		1.10E+01	NC	1.5E-02

Notes:

The Drinking Water Screening Criteria is the Federal MCL or, when a Federal MCL is not available, the Region 9 PRG for ingestion of tap water based on a target risk of 10^{-5} and hazard quotient of 1.

The Screening Criteria for Pyrene were used as surrogates for Phenanthrene.

The Screening Criteria for Chromium VI was used as a surrogate for Chromium (total).

The concentrations for the Methylphenol (2, 3, & 4) were summed before comparing to the Screening Criteria for 4-Methylphenol.

The concentrations for the Xylene isomers (m/p and o) were summed before comparing to the Screening Criteria.

FM - The Screening Criterion is the Federal MCL.

C - The Screening Criterion is based on cancer risk.

NC - The Screening Criterion is based on noncancer effects.

GCC - Groundwater Contact Criteria

Chem Group - Chemical Group

Carc Class - EPA Weight-of-Evidence Cancer Classification

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
Off-Site	General	Unit B3	VOC	Acetone	67-64-1	ID	3	2	1.10E-02	2.50E-02	3.29E+01	NC	7.6E-04
Off-Site	General	Unit B3	VOC	Toluene	108-88-3	D	3	1	1.10E-03	1.10E-03	1.00E+00	FM	1.1E-03
Off-Site	General	Unit B3	VOC	Trichloroethene	79-01-6	C-B2	3	1	3.00E-04	3.00E-04	5.00E-03	FM	6.0E-02
Off-Site	General	Unit B3	INORG	Antimony	7440-36-0		3	1	1.00E-04	1.00E-04	6.00E-03	FM	1.7E-02
Off-Site	General	Unit B3	INORG	Arsenic	7440-38-2	A	3	2	4.70E-04	1.30E-03	1.00E-02	FM	1.3E-01
Off-Site	General	Unit B3	INORG	Barium	7440-39-3	D	3	3	8.91E-02	1.40E-01	2.00E+00	FM	7.0E-02
Off-Site	General	Unit B3	INORG	Chromium (total)	7440-47-3		3	2	5.40E-04	7.70E-04	1.00E-01	FM	7.7E-03
Off-Site	General	Unit B3	INORG	Cobalt	7440-48-4	B1	3	3	6.80E-05	3.00E-04	7.30E-01	NC	4.1E-04
Off-Site	General	Unit B3	INORG	Copper	7440-50-8	D	3	1	5.80E-04	5.80E-04	1.30E+00	FM	4.5E-04
Off-Site	General	Unit B3	INORG	Lead	7439-92-1	B2	3	2	3.10E-04	6.80E-04	1.50E-02	FM	4.5E-02
Off-Site	General	Unit B3	INORG	Manganese	7439-96-5	D	3	3	8.30E-03	2.10E-02	8.76E-01	NC	2.4E-02
Off-Site	General	Unit B3	INORG	Nickel	7440-02-0	A	3	2	5.00E-04	2.30E-03	7.30E-01	NC	3.2E-03
Off-Site	General	Unit B3	INORG	Selenium	7782-49-2	D	3	3	2.10E-03	5.60E-03	5.00E-02	FM	1.1E-01
Off-Site	General	Unit B3	INORG	Vanadium	7440-62-2		3	1	1.60E-03	1.60E-03	3.65E-02	NC	4.4E-02
Off-Site	General	Unit B3	INORG	Zinc	7440-66-6	D	3	1	7.60E-03	7.60E-03	1.10E+01	NC	6.9E-04
Off-Site	General	Unit B4	INORG	Arsenic	7440-38-2	A	3	1	7.20E-04	7.20E-04	1.00E-02	FM	7.2E-02
Off-Site	General	Unit B4	INORG	Barium	7440-39-3	D	3	3	1.27E-02	3.07E-02	2.00E+00	FM	1.5E-02
Off-Site	General	Unit B4	INORG	Cadmium	7440-43-9	B1	3	1	5.10E-04	5.10E-04	5.00E-03	FM	1.0E-01
Off-Site	General	Unit B4	INORG	Cobalt	7440-48-4	B1	3	3	1.40E-04	2.60E-04	7.30E-01	NC	3.6E-04
Off-Site	General	Unit B4	INORG	Copper	7440-50-8	D	3	1	1.70E-03	1.70E-03	1.30E+00	FM	1.3E-03
Off-Site	General	Unit B4	INORG	Lead	7439-92-1	B2	3	2	2.70E-04	4.60E-04	1.50E-02	FM	3.1E-02
Off-Site	General	Unit B4	INORG	Manganese	7439-96-5	D	3	3	2.09E-02	7.08E-02	8.76E-01	NC	8.1E-02
Off-Site	General	Unit B4	INORG	Nickel	7440-02-0	A	3	2	9.20E-04	1.00E-03	7.30E-01	NC	1.4E-03
Off-Site	General	Unit B4	INORG	Selenium	7782-49-2	D	3	1	1.40E-03	1.40E-03	5.00E-02	FM	2.8E-02
Off-Site	General	Unit B4	INORG	Vanadium	7440-62-2		3	2	1.10E-03	1.80E-03	3.65E-02	NC	4.9E-02
Off-Site	General	Unit B4	INORG	Zinc	7440-66-6	D	3	1	2.82E-02	2.82E-02	1.10E+01	NC	2.6E-03
On-Site	AOI11	Unit B2	VOC	Chlorobenzene	108-90-7	D	6	3	1.00E-03	4.20E-03	1.00E-01	FM	4.2E-02
On-Site	AOI11	Unit B2	VOC	Chloroform	67-66-3	B2	6	1	7.10E-03	7.10E-03	8.00E-02	FM	8.9E-02
On-Site	AOI11	Unit B2	VOC	1,2-Dichloroethane	107-06-2	B2	6	3	7.00E-04	2.60E-03	5.00E-03	FM	5.2E-01
On-Site	AOI11	Unit B2	VOC	cis-1,2-Dichloroethene	156-59-2	D	6	5	4.00E-04	8.40E-03	7.00E-02	FM	1.2E-01
On-Site	AOI11	Unit B2	VOC	trans-1,2-Dichloroethene	156-60-5		6	2	7.00E-04	1.60E-03	1.00E-01	FM	1.6E-02
On-Site	AOI11	Unit B2	VOC	Methyl Acetate	79-20-9		6	1	4.20E-03	4.20E-03	3.65E+01	NC	1.2E-04
On-Site	AOI11	Unit B2	VOC	Toluene	108-88-3	D	6	1	2.70E-03	2.70E-03	1.00E+00	FM	2.7E-03
On-Site	AOI11	Unit B2	VOC	Trichloroethene	79-01-6	C-B2	6	6	1.10E-03	1.10E-01	5.00E-03	FM	**2.2E+01**
On-Site	AOI11	Unit B2	SVOC	Acetophenone	98-86-2	D	1	1	9.00E-04	9.00E-04			
On-Site	AOI11	Unit B2	SVOC	Phenol	108-95-2	ID	1	1	3.00E-01	3.00E-01	1.10E+01	NC	2.7E-02
On-Site	AOI11	Unit B2	INORG	Arsenic	7440-38-2	A	5	3	6.80E-04	1.60E-03	1.00E-02	FM	1.6E-01

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI11	Unit B2	INORG	Barium	7440-39-3	D	5	5	3.44E-02	1.04E-01	2.00E+00	FM	5.2E-02
On-Site	AOI11	Unit B2	INORG	Cadmium	7440-43-9	B1	5	3	1.60E-04	4.10E-04	5.00E-03	FM	8.2E-02
On-Site	AOI11	Unit B2	INORG	Cobalt	7440-48-4	B1	5	5	1.70E-04	4.00E-03	7.30E-01	NC	5.5E-03
On-Site	AOI11	Unit B2	INORG	Copper	7440-50-8	D	5	3	1.70E-03	2.92E-02	1.30E+00	FM	2.2E-02
On-Site	AOI11	Unit B2	INORG	Lead	7439-92-1	B2	5	2	5.90E-04	2.10E-03	1.50E-02	FM	1.4E-01
On-Site	AOI11	Unit B2	INORG	Manganese	7439-96-5	D	5	5	4.19E-02	3.62E-01	8.76E-01	NC	4.1E-01
On-Site	AOI11	Unit B2	INORG	Nickel	7440-02-0	A	5	5	1.30E-03	3.98E-02	7.30E-01	NC	5.5E-02
On-Site	AOI11	Unit B2	INORG	Selenium	7782-49-2	D	5	1	6.30E-04	6.30E-04	5.00E-02	FM	1.3E-02
On-Site	AOI11	Unit B2	INORG	Vanadium	7440-62-2		5	4	5.10E-04	2.90E-03	3.65E-02	NC	7.9E-02
On-Site	AOI11	Unit B2	INORG	Zinc	7440-66-6	D	5	1	1.00E-02	1.00E-02	1.10E+01	NC	9.1E-04
On-Site	AOI26	Unit B1	VOC	cis-1,2-Dichloroethene	156-59-2	D	2	1	2.00E-04	2.00E-04	7.00E-02	FM	2.9E-03
On-Site	AOI26	Unit B1	VOC	Trichloroethene	79-01-6	C-B2	2	2	7.00E-04	8.00E-04	5.00E-03	FM	1.6E-01
On-Site	AOI26	Unit B1	INORG	Barium	7440-39-3	D	2	2	2.60E-02	4.07E-02	2.00E+00	FM	2.0E-02
On-Site	AOI26	Unit B1	INORG	Cadmium	7440-43-9	B1	2	1	9.60E-05	9.60E-05	5.00E-03	FM	1.9E-02
On-Site	AOI26	Unit B1	INORG	Cobalt	7440-48-4	B1	2	2	6.20E-05	1.20E-04	7.30E-01	NC	1.6E-04
On-Site	AOI26	Unit B1	INORG	Manganese	7439-96-5	D	2	2	2.98E-02	6.08E-02	8.76E-01	NC	6.9E-02
On-Site	AOI26	Unit B1	INORG	Mercury	7439-97-6	D	2	1	4.00E-05	4.00E-05	2.00E-03	FM	2.0E-02
On-Site	AOI26	Unit B1	INORG	Nickel	7440-02-0	A	2	1	7.60E-04	7.60E-04	7.30E-01	NC	1.0E-03
On-Site	AOI26	Unit B1	INORG	Selenium	7782-49-2	D	2	1	8.60E-04	8.60E-04	5.00E-02	FM	1.7E-02
On-Site	AOI26	Unit B1	INORG	Vanadium	7440-62-2		2	1	9.80E-04	9.80E-04	3.65E-02	NC	2.7E-02
On-Site	AOI28	Unit B4	VOC	Acetone	67-64-1	ID	12	2	9.10E-03	1.70E-02	3.29E+01	NC	5.2E-04
On-Site	AOI28	Unit B4	VOC	Carbon Disulfide	75-15-0		12	1	7.00E-04	7.00E-04	3.65E+00	NC	1.9E-04
On-Site	AOI28	Unit B4	VOC	Chloroform	67-66-3	B2	12	1	1.60E-03	1.60E-03	8.00E-02	FM	2.0E-02
On-Site	AOI28	Unit B4	VOC	Methyl Acetate	79-20-9		12	1	1.20E-02	1.20E-02	3.65E+01	NC	3.3E-04
On-Site	AOI28	Unit B4	VOC	Toluene	108-88-3	D	12	3	6.00E-04	2.70E-03	1.00E+00	FM	2.7E-03
On-Site	AOI28	Unit B4	INORG	Antimony	7440-36-0		11	5	1.50E-04	6.30E-04	6.00E-03	FM	1.1E-01
On-Site	AOI28	Unit B4	INORG	Arsenic	7440-38-2	A	11	7	4.10E-04	1.50E-03	1.00E-02	FM	1.5E-01
On-Site	AOI28	Unit B4	INORG	Barium	7440-39-3	D	11	11	5.43E-02	2.02E-01	2.00E+00	FM	1.0E-01
On-Site	AOI28	Unit B4	INORG	Cadmium	7440-43-9	B1	11	5	2.10E-04	2.00E-03	5.00E-03	FM	4.0E-01
On-Site	AOI28	Unit B4	INORG	Chromium (total)	7440-47-3		11	2	9.00E-04	1.50E-03	1.00E-01	FM	1.5E-02
On-Site	AOI28	Unit B4	INORG	Cobalt	7440-48-4	B1	11	8	1.40E-04	2.80E-03	7.30E-01	NC	3.8E-03
On-Site	AOI28	Unit B4	INORG	Copper	7440-50-8	D	11	4	7.10E-04	1.37E-02	1.30E+00	FM	1.1E-02
On-Site	AOI28	Unit B4	INORG	Lead	7439-92-1	B2	11	8	1.02E-04	5.50E-03	1.50E-02	FM	3.7E-01
On-Site	AOI28	Unit B4	INORG	Manganese	7439-96-5	D	11	11	1.89E-02	1.46E+00	8.76E-01	NC	1.7E+00
On-Site	AOI28	Unit B4	INORG	Mercury	7439-97-6	D	11	1	1.20E-04	1.20E-04	2.00E-03	FM	6.0E-02
On-Site	AOI28	Unit B4	INORG	Nickel	7440-02-0	A	11	9	4.90E-04	2.49E-02	7.30E-01	NC	3.4E-02
On-Site	AOI28	Unit B4	INORG	Selenium	7782-49-2	D	11	4	5.30E-04	2.00E-03	5.00E-02	FM	4.0E-02

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI28	Unit B4	INORG	Silver	7440-22-4	D	11	2	8.50E-05	1.10E-04	1.83E-01	NC	6.0E-04
On-Site	AOI28	Unit B4	INORG	Vanadium	7440-62-2		11	6	4.90E-04	2.20E-03	3.65E-02	NC	6.0E-02
On-Site	AOI28	Unit B4	INORG	Zinc	7440-66-6	D	11	2	8.40E-03	1.50E-02	1.10E+01	NC	1.4E-03
On-Site	AOI29	Unit B3	VOC	Acetone	67-64-1	ID	7	1	5.00E-03	5.00E-03	3.29E+01	NC	1.5E-04
On-Site	AOI29	Unit B3	VOC	Benzene	71-43-2	A	7	6	3.20E-03	6.00E-02	5.00E-03	FM	**1.2E+01**
On-Site	AOI29	Unit B3	VOC	Carbon Disulfide	75-15-0		7	1	6.00E-04	6.00E-04	3.65E+00	NC	1.6E-04
On-Site	AOI29	Unit B3	VOC	Carbon Tetrachloride	56-23-5	B2	7	3	1.80E-03	7.80E-01	5.00E-03	FM	**1.6E+02**
On-Site	AOI29	Unit B3	VOC	Chlorobenzene	108-90-7	D	7	6	1.10E-03	1.10E-02	1.00E-01	FM	1.1E-01
On-Site	AOI29	Unit B3	VOC	Chloroform	67-66-3	B2	7	7	8.00E-04	7.30E-01	8.00E-02	FM	**9.1E+00**
On-Site	AOI29	Unit B3	VOC	Chloromethane	74-87-3	D	7	2	1.90E-03	2.50E-03	9.49E-01	NC	2.6E-03
On-Site	AOI29	Unit B3	VOC	Cyclohexane	110-82-7	ID	7	2	4.00E-04	4.00E-04	6.21E+01	NC	6.4E-06
On-Site	AOI29	Unit B3	VOC	1,2-Dichlorobenzene	95-50-1	D	7	6	2.40E-03	1.00E-02	6.00E-01	FM	1.7E-02
On-Site	AOI29	Unit B3	VOC	1,4-Dichlorobenzene	106-46-7	C	7	1	4.00E-04	4.00E-04	7.50E-02	FM	5.3E-03
On-Site	AOI29	Unit B3	VOC	Dichlorodifluoromethane	75-71-8		7	3	1.00E-03	2.00E-03	7.30E+00	NC	2.7E-04
On-Site	AOI29	Unit B3	VOC	1,1-Dichloroethane	75-34-3	C	7	3	8.00E-04	1.10E-03	3.65E+00	NC	3.0E-04
On-Site	AOI29	Unit B3	VOC	1,2-Dichloroethane	107-06-2	B2	7	6	3.35E-03	1.40E-02	5.00E-03	FM	**2.8E+00**
On-Site	AOI29	Unit B3	VOC	cis-1,2-Dichloroethene	156-59-2	D	7	4	1.30E-03	4.70E-03	7.00E-02	FM	6.7E-02
On-Site	AOI29	Unit B3	VOC	trans-1,2-Dichloroethene	156-60-5		7	3	1.10E-03	3.90E-03	1.00E-01	FM	3.9E-02
On-Site	AOI29	Unit B3	VOC	Methylene Chloride	75-09-2	B2	7	5	1.10E-03	2.50E-02	5.00E-03	FM	**5.0E+00**
On-Site	AOI29	Unit B3	VOC	Tetrachloroethene	127-18-4	C-B2	7	4	1.10E-03	2.80E-03	5.00E-03	FM	5.6E-01
On-Site	AOI29	Unit B3	VOC	Toluene	108-88-3	D	7	3	1.10E-03	1.50E-03	1.00E+00	FM	1.5E-03
On-Site	AOI29	Unit B3	VOC	Trichloroethene	79-01-6	C-B2	7	5	1.10E-03	6.30E-02	5.00E-03	FM	**1.3E+01**
On-Site	AOI29	Unit B3	VOC	Trichlorofluoromethane	75-69-4		7	3	4.00E-04	2.60E-03	1.10E+01	NC	2.4E-04
On-Site	AOI29	Unit B3	VOC	Vinyl Chloride	75-01-4	A	7	1	7.00E-04	7.00E-04	2.00E-03	FM	3.5E-01
On-Site	AOI29	Unit B3	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	6	1	2.00E-04	2.00E-04	6.11E-04	C	3.3E-01
On-Site	AOI29	Unit B3	INORG	Antimony	7440-36-0		6	1	1.50E-04	1.50E-04	6.00E-03	FM	2.5E-02
On-Site	AOI29	Unit B3	INORG	Arsenic	7440-38-2	A	6	5	8.90E-04	2.50E-03	1.00E-02	FM	2.5E-01
On-Site	AOI29	Unit B3	INORG	Barium	7440-39-3	D	6	6	2.51E-02	2.57E-01	2.00E+00	FM	1.3E-01
On-Site	AOI29	Unit B3	INORG	Cadmium	7440-43-9	B1	6	5	1.20E-04	2.70E-03	5.00E-03	FM	5.4E-01
On-Site	AOI29	Unit B3	INORG	Chromium (total)	7440-47-3		6	1	4.30E-03	4.30E-03	1.00E-01	FM	4.3E-02
On-Site	AOI29	Unit B3	INORG	Cobalt	7440-48-4	B1	6	6	1.70E-04	1.60E-03	7.30E-01	NC	2.2E-03
On-Site	AOI29	Unit B3	INORG	Copper	7440-50-8	D	6	3	8.30E-04	1.08E-02	1.30E+00	FM	8.3E-03
On-Site	AOI29	Unit B3	INORG	Lead	7439-92-1	B2	6	4	4.60E-04	1.49E-02	1.50E-02	FM	9.9E-01
On-Site	AOI29	Unit B3	INORG	Manganese	7439-96-5	D	6	6	2.26E-02	3.56E-01	8.76E-01	NC	4.1E-01
On-Site	AOI29	Unit B3	INORG	Mercury	7439-97-6	D	6	1	3.80E-05	3.80E-05	2.00E-03	FM	1.9E-02
On-Site	AOI29	Unit B3	INORG	Nickel	7440-02-0	A	6	6	1.30E-03	1.87E-02	7.30E-01	NC	2.6E-02
On-Site	AOI29	Unit B3	INORG	Selenium	7782-49-2	D	6	6	2.00E-03	4.70E-03	5.00E-02	FM	9.4E-02

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	AOI29	Unit B3	INORG	Vanadium	7440-62-2		6	4	2.30E-03	3.50E-03	3.65E-02	NC	9.6E-02
On-Site	AOI29	Unit B3	INORG	Zinc	7440-66-6	D	6	2	7.10E-03	3.16E-02	1.10E+01	NC	2.9E-03
On-Site	General	Unit B1	VOC	Acetone	67-64-1	ID	9	1	8.10E-03	8.10E-03	3.29E+01	NC	2.5E-04
On-Site	General	Unit B1	VOC	Benzene	71-43-2	A	9	8	7.00E-04	2.40E-02	5.00E-03	FM	**4.8E+00**
On-Site	General	Unit B1	VOC	Chlorobenzene	108-90-7	D	9	9	6.00E-04	4.00E-03	1.00E-01	FM	4.0E-02
On-Site	General	Unit B1	VOC	Chloroform	67-66-3	B2	9	2	7.00E-04	2.00E-02	8.00E-02	FM	2.5E-01
On-Site	General	Unit B1	VOC	1,2-Dichloroethane	107-06-2	B2	9	9	2.04E-03	1.70E-02	5.00E-03	FM	**3.4E+00**
On-Site	General	Unit B1	VOC	cis-1,2-Dichloroethene	156-59-2	D	9	9	1.30E-03	1.10E-02	7.00E-02	FM	1.6E-01
On-Site	General	Unit B1	VOC	trans-1,2-Dichloroethene	156-60-5		9	8	1.20E-03	4.10E-03	1.00E-01	FM	4.1E-02
On-Site	General	Unit B1	VOC	Methyl tert-butyl ether	1634-04-4		9	2	5.00E-04	6.00E-04	3.74E-01	C	1.6E-03
On-Site	General	Unit B1	VOC	Styrene	100-42-5		9	1	7.00E-04	7.00E-04	1.00E-01	FM	7.0E-03
On-Site	General	Unit B1	VOC	Tetrachloroethene	127-18-4	C-B2	9	5	6.00E-04	3.30E-03	5.00E-03	FM	6.6E-01
On-Site	General	Unit B1	VOC	Toluene	108-88-3	D	9	1	6.00E-04	6.00E-04	1.00E+00	FM	6.0E-04
On-Site	General	Unit B1	VOC	Trichloroethene	79-01-6	C-B2	9	9	7.20E-03	9.50E-02	5.00E-03	FM	**1.9E+01**
On-Site	General	Unit B1	VOC	Vinyl Chloride	75-01-4	A	9	1	4.00E-04	4.00E-04	2.00E-03	FM	2.0E-01
On-Site	General	Unit B1	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	8	4	4.00E-04	2.00E-03	6.11E-04	C	**3.3E+00**
On-Site	General	Unit B1	INORG	Arsenic	7440-38-2	A	7	7	2.10E-03	8.60E-03	1.00E-02	FM	8.6E-01
On-Site	General	Unit B1	INORG	Barium	7440-39-3	D	7	7	3.71E-02	2.21E-01	2.00E+00	FM	1.1E-01
On-Site	General	Unit B1	INORG	Beryllium	7440-41-7	B1	7	1	2.10E-04	2.10E-04	4.00E-03	FM	5.3E-02
On-Site	General	Unit B1	INORG	Cadmium	7440-43-9	B1	7	3	1.50E-04	1.30E-03	5.00E-03	FM	2.6E-01
On-Site	General	Unit B1	INORG	Chromium (total)	7440-47-3		7	2	6.80E-04	7.10E-03	1.00E-01	FM	7.1E-02
On-Site	General	Unit B1	INORG	Cobalt	7440-48-4	B1	7	7	1.55E-04	8.70E-03	7.30E-01	NC	1.2E-02
On-Site	General	Unit B1	INORG	Copper	7440-50-8	D	7	3	8.70E-04	4.85E-02	1.30E+00	FM	3.7E-02
On-Site	General	Unit B1	INORG	Lead	7439-92-1	B2	7	3	5.40E-04	3.20E-03	1.50E-02	FM	2.1E-01
On-Site	General	Unit B1	INORG	Manganese	7439-96-5	D	7	7	5.55E-03	7.44E-01	8.76E-01	NC	8.5E-01
On-Site	General	Unit B1	INORG	Nickel	7440-02-0	A	7	7	1.30E-03	1.06E-01	7.30E-01	NC	1.5E-01
On-Site	General	Unit B1	INORG	Selenium	7782-49-2	D	7	7	2.85E-03	2.10E-02	5.00E-02	FM	4.2E-01
On-Site	General	Unit B1	INORG	Vanadium	7440-62-2		7	6	1.50E-03	1.59E-02	3.65E-02	NC	4.4E-01
On-Site	General	Unit B1	INORG	Zinc	7440-66-6	D	7	2	3.50E-03	1.18E-01	1.10E+01	NC	1.1E-02
On-Site	General	Unit B2	VOC	Acetone	67-64-1	ID	13	4	6.75E-03	5.10E-02	3.29E+01	NC	1.6E-03
On-Site	General	Unit B2	VOC	Benzene	71-43-2	A	14	14	1.10E-02	1.20E+00	5.00E-03	FM	**2.4E+02**
On-Site	General	Unit B2	VOC	Carbon Disulfide	75-15-0		14	1	2.90E-04	2.90E-04	3.65E+00	NC	7.9E-05
On-Site	General	Unit B2	VOC	Carbon Tetrachloride	56-23-5	B2	14	8	7.00E-04	4.90E-01	5.00E-03	FM	**9.8E+01**
On-Site	General	Unit B2	VOC	Chlorobenzene	108-90-7	D	14	14	3.60E-03	8.00E-01	1.00E-01	FM	**8.0E+00**
On-Site	General	Unit B2	VOC	Chloroform	67-66-3	B2	14	12	2.60E-03	2.50E+00	8.00E-02	FM	**3.1E+01**
On-Site	General	Unit B2	VOC	Cyclohexane	110-82-7	ID	14	2	4.00E-04	6.00E-04	6.21E+01	NC	9.7E-06
On-Site	General	Unit B2	VOC	1,2-Dichlorobenzene	95-50-1	D	14	11	1.25E-03	3.00E-02	6.00E-01	FM	5.0E-02

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	General	Unit B2	VOC	1,4-Dichlorobenzene	106-46-7	C	14	3	5.50E-04	1.40E-03	7.50E-02	FM	1.9E-02
On-Site	General	Unit B2	VOC	Dichlorodifluoromethane	75-71-8		14	4	5.50E-04	1.80E-03	7.30E+00	NC	2.5E-04
On-Site	General	Unit B2	VOC	1,1-Dichloroethane	75-34-3	C	14	6	1.95E-04	5.90E-03	3.65E+00	NC	1.6E-03
On-Site	General	Unit B2	VOC	1,2-Dichloroethane	107-06-2	B2	14	14	5.40E-03	4.10E-01	5.00E-03	FM	**8.2E+01**
On-Site	General	Unit B2	VOC	1,1-Dichloroethene	75-35-4	C	14	12	1.05E-03	2.20E-02	7.00E-03	FM	**3.1E+00**
On-Site	General	Unit B2	VOC	cis-1,2-Dichloroethene	156-59-2	D	14	14	6.00E-04	1.60E+00	7.00E-02	FM	**2.3E+01**
On-Site	General	Unit B2	VOC	trans-1,2-Dichloroethene	156-60-5		14	14	6.00E-04	4.20E-01	1.00E-01	FM	**4.2E+00**
On-Site	General	Unit B2	VOC	1,2-Dichloropropane	78-87-5	B2	14	1	8.50E-04	8.50E-04	5.00E-03	FM	1.7E-01
On-Site	General	Unit B2	VOC	Ethyl Benzene	100-41-4	D	14	2	5.00E-04	1.20E-03	7.00E-01	FM	1.7E-03
On-Site	General	Unit B2	VOC	Methyl tert-butyl ether	1634-04-4		14	1	3.00E-04	3.00E-04	3.74E-01	C	8.0E-04
On-Site	General	Unit B2	VOC	4-Methyl-2-pentanone	108-10-1	ID	14	1	6.40E-03	6.40E-03	2.92E+00	NC	2.2E-03
On-Site	General	Unit B2	VOC	Methylcyclohexane	108-87-2		14	1	6.00E-04	6.00E-04	3.14E+01	NC	1.9E-05
On-Site	General	Unit B2	VOC	Methylene Chloride	75-09-2	B2	14	10	6.70E-03	9.60E-01	5.00E-03	FM	**1.9E+02**
On-Site	General	Unit B2	VOC	1,1,2,2-Tetrachloroethane	79-34-5	C	14	1	6.80E-03	6.80E-03	3.36E-03	C	**2.0E+00**
On-Site	General	Unit B2	VOC	Tetrachloroethene	127-18-4	C-B2	14	14	5.00E-04	3.80E-01	5.00E-03	FM	**7.6E+01**
On-Site	General	Unit B2	VOC	Toluene	108-88-3	D	14	7	4.13E-04	5.80E-02	1.00E+00	FM	5.8E-02
On-Site	General	Unit B2	VOC	1,2,4-Trichlorobenzene	120-82-1	D	14	1	4.00E-04	4.00E-04	7.00E-02	FM	5.7E-03
On-Site	General	Unit B2	VOC	1,1,2-Trichloroethane	79-00-5	C	14	12	4.50E-04	3.90E-02	5.00E-03	FM	**7.8E+00**
On-Site	General	Unit B2	VOC	Trichloroethene	79-01-6	C-B2	14	14	9.00E-03	1.40E+01	5.00E-03	FM	**2.8E+03**
On-Site	General	Unit B2	VOC	Vinyl Chloride	75-01-4	A	14	12	4.15E-03	8.80E-02	2.00E-03	FM	**4.4E+01**
On-Site	General	Unit B2	VOC	Xylenes (total)	1330-20-7	ID	14	4	7.00E-04	5.60E-03	1.00E+01	FM	5.6E-04
On-Site	General	Unit B2	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	14	12	2.20E-03	2.90E-02	6.11E-04	C	**4.7E+01**
On-Site	General	Unit B2	INORG	Antimony	7440-36-0		13	1	2.10E-04	2.10E-04	6.00E-03	FM	3.5E-02
On-Site	General	Unit B2	INORG	Arsenic	7440-38-2	A	13	13	1.10E-03	2.11E-02	1.00E-02	FM	**2.1E+00**
On-Site	General	Unit B2	INORG	Barium	7440-39-3	D	13	13	1.89E-02	3.96E-01	2.00E+00	FM	2.0E-01
On-Site	General	Unit B2	INORG	Chromium (total)	7440-47-3		13	7	1.30E-04	1.08E-02	1.00E-01	FM	1.1E-01
On-Site	General	Unit B2	INORG	Cobalt	7440-48-4	B1	13	13	1.90E-04	1.50E-03	7.30E-01	NC	2.1E-03
On-Site	General	Unit B2	INORG	Copper	7440-50-8	D	13	5	4.90E-03	9.70E-03	1.30E+00	FM	7.5E-03
On-Site	General	Unit B2	INORG	Lead	7439-92-1	B2	13	10	1.70E-04	1.30E-03	1.50E-02	FM	8.7E-02
On-Site	General	Unit B2	INORG	Manganese	7439-96-5	D	13	13	1.94E-02	2.82E-01	8.76E-01	NC	3.2E-01
On-Site	General	Unit B2	INORG	Mercury	7439-97-6	D	13	1	3.30E-05	3.30E-05	2.00E-03	FM	1.7E-02
On-Site	General	Unit B2	INORG	Nickel	7440-02-0	A	13	13	1.25E-03	8.40E-03	7.30E-01	NC	1.2E-02
On-Site	General	Unit B2	INORG	Selenium	7782-49-2	D	13	13	2.30E-03	5.05E-02	5.00E-02	FM	1.0E+00
On-Site	General	Unit B2	INORG	Silver	7440-22-4	D	13	1	1.79E-04	1.79E-04	1.83E-01	NC	9.8E-04
On-Site	General	Unit B2	INORG	Thallium	7440-28-0		13	1	1.07E-04	1.07E-04	2.00E-03	FM	5.3E-02
On-Site	General	Unit B2	INORG	Vanadium	7440-62-2		13	9	1.03E-03	3.94E-02	3.65E-02	NC	**1.1E+00**
On-Site	General	Unit B2	INORG	Zinc	7440-66-6	D	13	3	1.55E-02	2.09E-02	1.10E+01	NC	1.9E-03

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	General	Unit B3	VOC	Acetone	67-64-1	ID	7	1	6.90E-03	6.90E-03	3.29E+01	NC	2.1E-04
On-Site	General	Unit B3	VOC	Benzene	71-43-2	A	7	3	6.00E-04	6.20E-02	5.00E-03	FM	**1.2E+01**
On-Site	General	Unit B3	VOC	Bromomethane	74-83-9	D	7	1	1.10E-03	1.10E-03	5.11E-02	NC	2.2E-02
On-Site	General	Unit B3	VOC	Carbon Tetrachloride	56-23-5	B2	7	3	4.00E-04	1.10E-03	5.00E-03	FM	2.2E-01
On-Site	General	Unit B3	VOC	Chlorobenzene	108-90-7	D	7	3	3.00E-03	2.80E-02	1.00E-01	FM	2.8E-01
On-Site	General	Unit B3	VOC	Chloroform	67-66-3	B2	7	5	1.00E-03	1.10E-02	8.00E-02	FM	1.4E-01
On-Site	General	Unit B3	VOC	1,2-Dichlorobenzene	95-50-1	D	7	2	6.00E-04	3.90E-03	6.00E-01	FM	6.5E-03
On-Site	General	Unit B3	VOC	Dichlorodifluoromethane	75-71-8		7	3	5.00E-04	1.40E-03	7.30E+00	NC	1.9E-04
On-Site	General	Unit B3	VOC	1,1-Dichloroethane	75-34-3	C	7	4	4.00E-04	8.00E-04	3.65E+00	NC	2.2E-04
On-Site	General	Unit B3	VOC	1,2-Dichloroethane	107-06-2	B2	7	3	2.10E-03	1.70E-02	5.00E-03	FM	**3.4E+00**
On-Site	General	Unit B3	VOC	1,1-Dichloroethene	75-35-4	C	7	4	7.00E-04	4.90E-03	7.00E-03	FM	7.0E-01
On-Site	General	Unit B3	VOC	cis-1,2-Dichloroethene	156-59-2	D	7	5	8.00E-04	1.10E-02	7.00E-02	FM	1.6E-01
On-Site	General	Unit B3	VOC	trans-1,2-Dichloroethene	156-60-5		7	3	1.90E-03	8.60E-03	1.00E-01	FM	8.6E-02
On-Site	General	Unit B3	VOC	Methyl tert-butyl ether	1634-04-4		7	2	6.00E-04	2.00E-03	3.74E-01	C	5.4E-03
On-Site	General	Unit B3	VOC	Methylene Chloride	75-09-2	B2	7	2	1.40E-03	7.30E-03	5.00E-03	FM	**1.5E+00**
On-Site	General	Unit B3	VOC	Tetrachloroethene	127-18-4	C-B2	7	3	5.00E-04	2.00E-03	5.00E-03	FM	4.0E-01
On-Site	General	Unit B3	VOC	Toluene	108-88-3	D	7	4	5.00E-04	2.90E-02	1.00E+00	FM	2.9E-02
On-Site	General	Unit B3	VOC	Trichloroethene	79-01-6	C-B2	7	5	3.20E-03	1.50E-01	5.00E-03	FM	**3.0E+01**
On-Site	General	Unit B3	VOC	Vinyl Chloride	75-01-4	A	7	3	4.00E-04	3.20E-03	2.00E-03	FM	**1.6E+00**
On-Site	General	Unit B3	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	6	1	4.00E-04	4.00E-04	6.11E-04	C	6.5E-01
On-Site	General	Unit B3	INORG	Arsenic	7440-38-2	A	6	4	5.00E-04	3.30E-03	1.00E-02	FM	3.3E-01
On-Site	General	Unit B3	INORG	Barium	7440-39-3	D	6	6	3.72E-02	2.84E-01	2.00E+00	FM	1.4E-01
On-Site	General	Unit B3	INORG	Cadmium	7440-43-9	B1	6	2	2.30E-04	4.50E-04	5.00E-03	FM	9.0E-02
On-Site	General	Unit B3	INORG	Chromium (total)	7440-47-3		6	2	1.40E-03	3.51E-02	1.00E-01	FM	3.5E-01
On-Site	General	Unit B3	INORG	Cobalt	7440-48-4	B1	6	6	1.30E-04	5.80E-04	7.30E-01	NC	7.9E-04
On-Site	General	Unit B3	INORG	Copper	7440-50-8	D	6	2	7.00E-04	2.20E-03	1.30E+00	FM	1.7E-03
On-Site	General	Unit B3	INORG	Lead	7439-92-1	B2	6	5	2.30E-04	2.10E-03	1.50E-02	FM	1.4E-01
On-Site	General	Unit B3	INORG	Manganese	7439-96-5	D	6	6	5.10E-03	1.51E-01	8.76E-01	NC	1.7E-01
On-Site	General	Unit B3	INORG	Mercury	7439-97-6	D	6	2	3.60E-05	5.60E-05	2.00E-03	FM	2.8E-02
On-Site	General	Unit B3	INORG	Nickel	7440-02-0	A	6	6	1.10E-03	2.50E-03	7.30E-01	NC	3.4E-03
On-Site	General	Unit B3	INORG	Selenium	7782-49-2	D	6	6	9.20E-04	8.70E-03	5.00E-02	FM	1.7E-01
On-Site	General	Unit B3	INORG	Thallium	7440-28-0		6	1	3.40E-05	3.40E-05	2.00E-03	FM	1.7E-02
On-Site	General	Unit B3	INORG	Vanadium	7440-62-2		6	4	4.20E-04	1.70E-03	3.65E-02	NC	4.7E-02
On-Site	General	Unit B3	INORG	Zinc	7440-66-6	D	6	3	8.20E-03	2.48E-02	1.10E+01	NC	2.3E-03
On-Site	General	Unit B4	VOC	Acetone	67-64-1	ID	7	1	1.20E-02	1.20E-02	3.29E+01	NC	3.7E-04
On-Site	General	Unit B4	VOC	Benzene	71-43-2	A	8	1	1.60E-01	1.60E-01	5.00E-03	FM	**3.2E+01**
On-Site	General	Unit B4	VOC	Carbon Disulfide	75-15-0		8	2	7.00E-04	9.00E-04	3.65E+00	NC	2.5E-04

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
On-Site	General	Unit B4	VOC	Chlorobenzene	108-90-7	D	8	1	6.20E-02	6.20E-02	1.00E-01	FM	6.2E-01
On-Site	General	Unit B4	VOC	Chloroform	67-66-3	B2	8	1	1.20E-02	1.20E-02	8.00E-02	FM	1.5E-01
On-Site	General	Unit B4	VOC	Cyclohexane	110-82-7	ID	8	1	3.00E-03	3.00E-03	6.21E+01	NC	4.8E-05
On-Site	General	Unit B4	VOC	1,2-Dichlorobenzene	95-50-1	D	8	1	1.20E-03	1.20E-03	6.00E-01	FM	2.0E-03
On-Site	General	Unit B4	VOC	Dichlorodifluoromethane	75-71-8		8	1	1.20E-03	1.20E-03	7.30E+00	NC	1.6E-04
On-Site	General	Unit B4	VOC	1,1-Dichloroethane	75-34-3	C	8	1	2.00E-03	2.00E-03	3.65E+00	NC	5.5E-04
On-Site	General	Unit B4	VOC	1,2-Dichloroethane	107-06-2	B2	8	1	4.50E-02	4.50E-02	5.00E-03	FM	**9.0E+00**
On-Site	General	Unit B4	VOC	cis-1,2-Dichloroethene	156-59-2	D	8	2	4.00E-04	7.60E-03	7.00E-02	FM	1.1E-01
On-Site	General	Unit B4	VOC	trans-1,2-Dichloroethene	156-60-5		8	1	4.20E-03	4.20E-03	1.00E-01	FM	4.2E-02
On-Site	General	Unit B4	VOC	4-Methyl-2-pentanone	108-10-1	ID	8	1	1.70E-03	1.70E-03	2.92E+00	NC	5.8E-04
On-Site	General	Unit B4	VOC	Methylcyclohexane	108-87-2		8	1	3.20E-03	3.20E-03	3.14E+01	NC	1.0E-04
On-Site	General	Unit B4	VOC	Methylene Chloride	75-09-2	B2	8	1	4.80E-03	4.80E-03	5.00E-03	FM	9.6E-01
On-Site	General	Unit B4	VOC	Tetrachloroethene	127-18-4	C-B2	8	1	4.30E-03	4.30E-03	5.00E-03	FM	8.6E-01
On-Site	General	Unit B4	VOC	Toluene	108-88-3	D	8	3	1.00E-03	1.90E-02	1.00E+00	FM	1.9E-02
On-Site	General	Unit B4	VOC	Trichloroethene	79-01-6	C-B2	8	1	6.60E-02	6.60E-02	5.00E-03	FM	**1.3E+01**
On-Site	General	Unit B4	VOC	Vinyl Chloride	75-01-4	A	8	1	2.30E-03	2.30E-03	2.00E-03	FM	**1.2E+00**
On-Site	General	Unit B4	SVOC	bis(2-Chloroethyl) ether	111-44-4	B2	8	1	7.00E-04	7.00E-04	6.11E-04	C	**1.1E+00**
On-Site	General	Unit B4	INORG	Antimony	7440-36-0		7	1	1.50E-04	1.50E-04	6.00E-03	FM	2.5E-02
On-Site	General	Unit B4	INORG	Arsenic	7440-38-2	A	7	2	5.60E-04	6.50E-04	1.00E-02	FM	6.5E-02
On-Site	General	Unit B4	INORG	Barium	7440-39-3	D	7	7	8.30E-03	1.44E-01	2.00E+00	FM	7.2E-02
On-Site	General	Unit B4	INORG	Cadmium	7440-43-9	B1	7	2	1.50E-04	4.30E-04	5.00E-03	FM	8.6E-02
On-Site	General	Unit B4	INORG	Cobalt	7440-48-4	B1	7	7	6.10E-05	4.20E-04	7.30E-01	NC	5.8E-04
On-Site	General	Unit B4	INORG	Copper	7440-50-8	D	7	5	4.30E-04	1.20E-03	1.30E+00	FM	9.2E-04
On-Site	General	Unit B4	INORG	Lead	7439-92-1	B2	7	4	3.60E-04	1.10E-03	1.50E-02	FM	7.3E-02
On-Site	General	Unit B4	INORG	Manganese	7439-96-5	D	7	7	1.20E-02	3.00E-01	8.76E-01	NC	3.4E-01
On-Site	General	Unit B4	INORG	Mercury	7439-97-6	D	7	1	1.25E-04	1.25E-04	2.00E-03	FM	6.3E-02
On-Site	General	Unit B4	INORG	Nickel	7440-02-0	A	7	7	5.60E-04	2.70E-03	7.30E-01	NC	3.7E-03
On-Site	General	Unit B4	INORG	Selenium	7782-49-2	D	7	5	1.10E-03	2.20E-03	5.00E-02	FM	4.4E-02
On-Site	General	Unit B4	INORG	Thallium	7440-28-0		7	1	2.30E-05	2.30E-05	2.00E-03	FM	1.2E-02
On-Site	General	Unit B4	INORG	Zinc	7440-66-6	D	7	3	7.70E-03	1.91E-02	1.10E+01	NC	1.7E-03

Notes:

The Drinking Water Screening Criteria is the Federal MCL or, when a Federal MCL is not available, the Region 9 PRG for ingestion of tap water based on a target risk of 10^{-5} and hazard quotient of 1.

The Screening Criteria for Chromium VI was used as a surrogate for Chromium (total).

The concentrations for the Xylene isomers (m/p and o) were summed before comparing to the Screening Criteria.

Table 3.2.3: Bedrock Groundwater Screening Results
GMC - Linden, New Jersey

On/Off-site	Area	Wellzone	Chem Group	Chemical	CASRN	Carc Class	Analyzed	Detected	Min Detected (mg/L)	Max Detected (mg/L)	Drinking Water Criteria (mg/L)		Ratio of Max Detect to DW Criteria
	FM - The Screening Criterion is the Federal MCL.												
	C - The Screening Criterion is based on cancer risk.												
	NC - The Screening Criterion is based on noncancer effects.												
	GCC - Groundwater Contact Criteria												
	Chem Group - Chemical Group												
	Carc Class - EPA Weight-of-Evidence Cancer Classification												

Table 3.3.1: Overburden Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria	Construction GCC (mg/L)	Ratio of Conc to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Conc to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Conc to Residential VI Criteria
4	AOI16	BEC-14S	04/20/05	INORG	Arsenic	7440-38-2	2.57E-02		1.00E-02	**2.6E+00**	1.44E+01	1.8E-03				
4	AOI16	BEC-14S	04/20/05	INORG	Manganese	7439-96-5	3.82E+00		8.76E-01	**4.4E+00**	5.96E+03	6.4E-04				
2	General	MW-57S	08/10/05	VOC	Carbon Tetrachloride	56-23-5	5.90E-02		5.00E-03	**1.2E+01**	2.93E+00	2.0E-02	9.96E+04	5.9E-07	1.81E+00	3.3E-02
2	General	MW-59S	08/10/05	INORG	Manganese	7439-96-5	6.49E+00		8.76E-01	**7.4E+00**	5.96E+03	1.1E-03				
3	AOI01	BEC-7D	10/28/03	INORG	Cadmium	7440-43-9	1.96E-02		5.00E-03	**3.9E+00**	1.80E+01	1.1E-03				
1	AOI03	BEC-9D	04/26/05	INORG	Manganese	7439-96-5	4.11E+00		8.76E-01	**4.7E+00**	5.96E+03	6.9E-04				
1	AOI06	MW-31D	08/12/05	VOC	1,2-Dichloroethane	107-06-2	1.10E-02		5.00E-03	**2.2E+00**	1.81E+00	6.1E-03	6.92E+05	1.6E-08	1.47E+01	7.5E-04
1	AOI06	MW-31D	08/12/05	VOC	Trichloroethene	79-01-6	9.90E-02		5.00E-03	**2.0E+01**	2.50E+01	4.0E-03	1.55E+06	6.4E-08	3.19E+01	3.1E-03
1	AOI06	MW-31D	08/12/05	VOC	Vinyl Chloride	75-01-4	2.60E-03		2.00E-03	**1.3E+00**	1.94E+00	1.3E-03	3.45E+03	7.5E-07	2.77E+00	9.4E-04
1	AOI06	MW-31S	11/03/03	SVOC	Benzo(a)anthracene	56-55-3	1.00E-03	J	9.21E-04	**1.1E+00**	6.17E-02	1.6E-02			1.11E+03	9.0E-07
1	AOI06	MW-31S	11/03/03	SVOC	Benzo(a)pyrene	50-32-8	3.00E-04	J	2.00E-04	**1.5E+00**	4.35E-03	6.9E-02			2.63E+02	1.1E-06
1	AOI06	MW-33D	04/25/05	INORG	Manganese	7439-96-5	1.18E+01		8.76E-01	**1.3E+01**	5.96E+03	2.0E-03				
1	AOI06	MW-34D	08/12/05	VOC	Benzene	71-43-2	1.30E-02		5.00E-03	**2.6E+00**	4.53E+00	2.9E-03	1.35E+04	9.6E-07	1.08E+01	1.2E-03
1	AOI06	MW-34D	08/12/05	VOC	1,2-Dichloroethane	107-06-2	1.70E-02		5.00E-03	**3.4E+00**	1.81E+00	9.4E-03	6.92E+05	2.5E-08	1.47E+01	1.2E-03
1	AOI06	MW-34D	08/12/05	VOC	Trichloroethene	79-01-6	9.80E-02		5.00E-03	**2.0E+01**	2.50E+01	3.9E-03	1.55E+06	6.3E-08	3.19E+01	3.1E-03
1	AOI06	MW-34D	08/12/05	VOC	Vinyl Chloride	75-01-4	3.50E-03		2.00E-03	**1.8E+00**	1.94E+00	1.8E-03	3.45E+03	1.0E-06	2.77E+00	1.3E-03
1	AOI06	MW-34D	08/12/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.00E-03		6.11E-04	**1.6E+00**	1.02E+00	9.8E-04	2.27E+07	4.4E-11	5.63E+01	1.8E-05
1	AOI06	MW-34D	08/12/05	INORG	Manganese	7439-96-5	1.29E+00		8.76E-01	**1.5E+00**	5.96E+03	2.2E-04				
1	AOI06	MW-34S	08/12/05	VOC	Benzene	71-43-2	1.40E-02		5.00E-03	**2.8E+00**	4.53E+00	3.1E-03	1.35E+04	1.0E-06	1.08E+01	1.3E-03
1	AOI06	MW-34S	08/12/05	INORG	Manganese	7439-96-5	2.10E+01		8.76E-01	**2.4E+01**	5.96E+03	3.5E-03				
1	AOI06	MW-38S	08/12/05	INORG	Manganese	7439-96-5	4.20E+01		8.76E-01	**4.8E+01**	5.96E+03	7.0E-03				
1	AOI06	MW-39S	08/12/05	VOC	Benzene	71-43-2	6.50E-03		5.00E-03	**1.3E+00**	4.53E+00	1.4E-03	1.35E+04	4.8E-07	1.08E+01	6.0E-04
1	AOI06	MW-39S	08/12/05	VOC	Vinyl Chloride	75-01-4	1.20E-02		2.00E-03	**6.0E+00**	1.94E+00	6.2E-03	3.45E+03	3.5E-06	2.77E+00	4.3E-03
1	AOI06	MW-39S	08/12/05	INORG	Manganese	7439-96-5	4.95E+01		8.76E-01	**5.7E+01**	5.96E+03	8.3E-03				
1	AOI07	MW-24S	08/12/05	VOC	Benzene	71-43-2	1.50E-01		5.00E-03	**3.0E+01**	4.53E+00	3.3E-02	1.35E+04	1.1E-05	1.08E+01	1.4E-02
1	AOI07	MW-24S	08/12/05	INORG	Arsenic	7440-38-2	1.30E-02		1.00E-02	**1.3E+00**	1.44E+01	9.0E-04				
1	AOI07	MW-25S	08/12/05	INORG	Manganese	7439-96-5	5.25E+00		8.76E-01	**6.0E+00**	5.96E+03	8.8E-04				
4	AOI11	MW-16S	04/18/05	INORG	Arsenic	7440-38-2	1.67E-02		1.00E-02	**1.7E+00**	1.44E+01	1.2E-03				
4	AOI16	BEC-10S	04/18/05	INORG	Manganese	7439-96-5	8.27E+00		8.76E-01	**9.4E+00**	5.96E+03	1.4E-03				
4	AOI16	BEC-12S	04/18/05	INORG	Manganese	7439-96-5	7.15E+01		8.76E-01	**8.2E+01**	5.96E+03	1.2E-02				
4	AOI16	BEC-1SR	04/19/05	INORG	Manganese	7439-96-5	1.23E+00		8.76E-01	**1.4E+00**	5.96E+03	2.1E-04				
4	AOI16	BEC-1SR	04/19/05	INORG	Vanadium	7440-62-2	4.93E-02		3.65E-02	**1.4E+00**	1.94E+01	2.5E-03				
4	AOI16	BEC-5S	04/19/05	INORG	Cadmium	7440-43-9	1.42E-02		5.00E-03	**2.8E+00**	1.80E+01	7.9E-04				
4	AOI16	BEC-5S	04/19/05	INORG	Manganese	7439-96-5	1.72E+01		8.76E-01	**2.0E+01**	5.96E+03	2.9E-03				
4	AOI16	BEC-8S	04/19/05	INORG	Cadmium	7440-43-9	1.01E-02		5.00E-03	**2.0E+00**	1.80E+01	5.6E-04				
4	AOI16	BEC-8S	04/19/05	INORG	Manganese	7439-96-5	2.43E+00		8.76E-01	**2.8E+00**	5.96E+03	4.1E-04				
4	AOI16	BEC-9S	04/19/05	VOC	Trichloroethene	79-01-6	6.90E-03		5.00E-03	**1.4E+00**	2.50E+01	2.8E-04	1.55E+06	4.4E-09	3.19E+01	2.2E-04
4	AOI16	BEC-9S	04/19/05	INORG	Manganese	7439-96-5	2.34E+00		8.76E-01	**2.7E+00**	5.96E+03	3.9E-04				
4	AOI26	MW-51S	04/20/05	INORG	Manganese	7439-96-5	3.47E+00		8.76E-01	**4.0E+00**	5.96E+03	5.8E-04				
4	AOI26	MW-52S	04/18/05	INORG	Vanadium	7440-62-2	4.88E-02		3.65E-02	**1.3E+00**	1.94E+01	2.5E-03				
2	AOI28	MW-17S	08/08/05	INORG	Arsenic	7440-38-2	1.15E-02		1.00E-02	**1.2E+00**	1.44E+01	8.0E-04				
2	AOI28	MW-17S	08/08/05	INORG	Manganese	7439-96-5	1.26E+01		8.76E-01	**1.4E+01**	5.96E+03	2.1E-03				
1	AOI29	MW-18S	08/10/05	INORG	Manganese	7439-96-5	3.23E+01		8.76E-01	**3.7E+01**	5.96E+03	5.4E-03				
4	General	BEC-5D	04/21/05	VOC	Trichloroethene	79-01-6	5.00E-02		5.00E-03	**1.0E+01**	2.50E+01	2.0E-03	1.55E+06	3.2E-08	3.19E+01	1.6E-03
4	General	BEC-5D	04/21/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.90E-03		6.11E-04	**3.1E+00**	1.02E+00	1.9E-03	2.27E+07	8.4E-11	5.63E+01	3.4E-05
4	General	BEC-5D	04/21/05	INORG	Mercury	7439-97-6	2.20E-03		2.00E-03	**1.1E+00**	2.61E-01	8.4E-03	1.30E+02	1.7E-05	1.17E+00	1.9E-03
4	General	BEC-6D	10/29/03	INORG	Manganese	7439-96-5	1.02E+00		8.76E-01	**1.2E+00**	5.96E+03	1.7E-04				
1	General	MW-22S	08/10/05	INORG	Manganese	7439-96-5	2.42E+00		8.76E-01	**2.8E+00**	5.96E+03	4.1E-04				
2	General	MW-41S	08/09/05	INORG	Manganese	7439-96-5	2.29E+00		8.76E-01	**2.6E+00**	5.96E+03	3.8E-04				
1	General	MW-43S	05/09/05	INORG	Manganese	7439-96-5	3.62E+00		8.76E-01	**4.1E+00**	5.96E+03	6.1E-04				
1	General	MW-47S	08/11/05	INORG	Manganese	7439-96-5	4.61E+00		8.76E-01	**5.3E+00**	5.96E+03	7.7E-04				

Table 3.3.1: Overburden Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria	Construction GCC (mg/L)	Ratio of Conc to Construction GCC	Occ VI Criteria (mg/L)	Ratio of Conc to Occ VI Criteria	Residential VI Criteria (mg/L)	Ratio of Conc to Residential VI Criteria
1	General	MW-49S	05/05/05	INORG	Manganese	7439-96-5	1.19E+00		8.76E-01	**1.4E+00**	5.96E+03	2.0E-04				
4	General	MW-50S	04/21/05	INORG	Manganese	7439-96-5	2.60E+00		8.76E-01	**3.0E+00**	5.96E+03	4.4E-04				
4	General	MW-55S	04/20/05	INORG	Barium	7440-39-3	4.82E+00		2.00E+00	**2.4E+00**	3.43E+03	1.4E-03				
4	General	MW-55S	04/20/05	INORG	Manganese	7439-96-5	2.08E+00		8.76E-01	**2.4E+00**	5.96E+03	3.5E-04				
3	General	MW-62S	08/09/05	INORG	Manganese	7439-96-5	3.90E+00		8.76E-01	**4.5E+00**	5.96E+03	6.5E-04				
3	General	MW-63S	04/21/05	INORG	Arsenic	7440-38-2	3.87E-02		1.00E-02	**3.9E+00**	1.44E+01	2.7E-03				
3	General	MW-63S	04/21/05	INORG	Manganese	7439-96-5	4.52E+00		8.76E-01	**5.2E+00**	5.96E+03	7.6E-04				
2	General	MW-67S	08/09/05	INORG	Manganese	7439-96-5	9.23E-01		8.76E-01	**1.1E+00**	5.96E+03	1.5E-04				
4	General	MW-68S	05/11/05	INORG	Cadmium	7440-43-9	1.28E-02		5.00E-03	**2.6E+00**	1.80E+01	7.1E-04				
4	General	MW-68S	05/11/05	INORG	Manganese	7439-96-5	7.26E+01		8.76E-01	**8.3E+01**	5.96E+03	1.2E-02				
3	General	MW-69S	04/21/05	INORG	Manganese	7439-96-5	2.83E+00		8.76E-01	**3.2E+00**	5.96E+03	4.7E-04				
	General	MW-79S	09/06/05	VOC	Benzene	71-43-2	2.20E-02		5.00E-03	**4.4E+00**	4.53E+00	4.9E-03	1.35E+04	1.6E-06	1.08E+01	2.0E-03

Table 3.3.2: Weathered Bedrock Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria
4	General	MW-14W	04/20/05	VOC	Trichloroethene	79-01-6	1.80E-02		5.00E-03	**3.6E+00**
2	General	MW-57W	08/10/05	VOC	Carbon Tetrachloride	56-23-5	1.00E-01		5.00E-03	**2.0E+01**
1	AOI03	BEC-4B	11/10/04	VOC	Benzene	71-43-2	3.30E-01		5.00E-03	**6.6E+01**
1	AOI03	BEC-4B	11/10/04	VOC	Chlorobenzene	108-90-7	2.60E-01		1.00E-01	**2.6E+00**
1	AOI03	BEC-4B	11/10/04	VOC	1,2-Dichloroethane	107-06-2	1.20E-01		5.00E-03	**2.4E+01**
1	AOI03	BEC-4B	11/10/04	VOC	cis-1,2-Dichloroethene	156-59-2	1.70E-01		7.00E-02	**2.4E+00**
1	AOI03	BEC-4B	11/10/04	VOC	Methylene Chloride	75-09-2	4.10E-02		5.00E-03	**8.2E+00**
1	AOI03	BEC-4B	11/10/04	VOC	Tetrachloroethene	127-18-4	4.40E-02		5.00E-03	**8.8E+00**
1	AOI03	BEC-4B	11/10/04	VOC	1,1,2-Trichloroethane	79-00-5	5.60E-03	J	5.00E-03	**1.1E+00**
1	AOI03	BEC-4B	11/10/04	VOC	Trichloroethene	79-01-6	2.30E+00		5.00E-03	**4.6E+02**
1	AOI03	BEC-4B	11/10/04	VOC	Vinyl Chloride	75-01-4	2.70E-02		2.00E-03	**1.4E+01**
1	AOI03	BEC-4B	11/10/04	SVOC	bis(2-Chloroethyl) ether	111-44-4	8.60E-03		6.11E-04	**1.4E+01**
1	AOI03	MW-36W	05/05/05	VOC	1,2-Dichloroethane	107-06-2	8.40E-02		5.00E-03	**1.7E+01**
1	AOI03	MW-36W	05/05/05	VOC	cis-1,2-Dichloroethene	156-59-2	1.90E-01		7.00E-02	**2.7E+00**
1	AOI03	MW-36W	05/05/05	VOC	Tetrachloroethene	127-18-4	1.80E-02		5.00E-03	**3.6E+00**
1	AOI03	MW-36W	05/05/05	VOC	Trichloroethene	79-01-6	5.00E-01		5.00E-03	**1.0E+02**
1	AOI03	MW-36W	05/05/05	VOC	Vinyl Chloride	75-01-4	3.10E-03	J	2.00E-03	**1.6E+00**
1	AOI03	MW-36W	05/05/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	2.50E-02		6.11E-04	**4.1E+01**
1	AOI03	MW-36W	05/05/05	INORG	Arsenic	7440-38-2	1.22E-02		1.00E-02	**1.2E+00**
1	AOI03	MW-37W	04/26/05	VOC	1,2-Dichloroethane	107-06-2	5.80E-03		5.00E-03	**1.2E+00**
1	AOI03	MW-37W	04/26/05	VOC	Trichloroethene	79-01-6	2.60E-02		5.00E-03	**5.2E+00**
1	AOI06	MW-31W	08/12/05	VOC	Benzene	71-43-2	1.10E-01		5.00E-03	**2.2E+01**
1	AOI06	MW-31W	08/12/05	VOC	1,2-Dichloroethane	107-06-2	1.00E-01		5.00E-03	**2.0E+01**
1	AOI06	MW-31W	08/12/05	VOC	Methylene Chloride	75-09-2	5.50E-03		5.00E-03	**1.1E+00**
1	AOI06	MW-31W	08/12/05	VOC	Tetrachloroethene	127-18-4	1.30E-02		5.00E-03	**2.6E+00**
1	AOI06	MW-31W	08/12/05	VOC	Trichloroethene	79-01-6	8.30E-01		5.00E-03	**1.7E+02**
1	AOI06	MW-31W	08/12/05	VOC	Vinyl Chloride	75-01-4	1.20E-02		2.00E-03	**6.0E+00**
1	AOI06	MW-31W	08/12/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.80E-03		6.11E-04	**2.9E+00**
1	AOI06	MW-33W	04/25/05	VOC	1,2-Dichloroethane	107-06-2	2.90E-02		5.00E-03	**5.8E+00**
1	AOI06	MW-33W	04/25/05	VOC	Tetrachloroethene	127-18-4	6.80E-03		5.00E-03	**1.4E+00**
1	AOI06	MW-33W	04/25/05	VOC	Trichloroethene	79-01-6	3.10E-01		5.00E-03	**6.2E+01**
1	AOI06	MW-33W	04/25/05	VOC	Vinyl Chloride	75-01-4	4.60E-03	J	2.00E-03	**2.3E+00**
1	AOI06	MW-33W	04/25/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	3.70E-03		6.11E-04	**6.1E+00**
1	AOI06	MW-34W	08/12/05	VOC	1,2-Dichloroethane	107-06-2	2.20E-02		5.00E-03	**4.4E+00**

Table 3.3.2: Weathered Bedrock Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria
1	AOI06	MW-34W	08/12/05	VOC	Trichloroethene	79-01-6	2.40E-01		5.00E-03	**4.8E+01**
1	AOI06	MW-34W	08/12/05	VOC	Vinyl Chloride	75-01-4	1.20E-02		2.00E-03	**6.0E+00**
1	AOI06	MW-34W	08/12/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	3.10E-03		6.11E-04	**5.1E+00**
4	AOI11	MW-16W	04/18/05	VOC	1,1-Dichloroethene	75-35-4	2.40E-02		7.00E-03	**3.4E+00**
4	AOI11	MW-16W	04/18/05	VOC	Trichloroethene	79-01-6	7.40E-02		5.00E-03	**1.5E+01**
4	AOI16	BEC-1D	04/19/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	2.40E-03		6.11E-04	**3.9E+00**
4	AOI16	BEC-1D	04/29/05	VOC	1,2-Dichloroethane	107-06-2	2.60E-02		5.00E-03	**5.2E+00**
4	AOI16	BEC-1D	04/29/05	VOC	Tetrachloroethene	127-18-4	7.10E-03		5.00E-03	**1.4E+00**
4	AOI16	BEC-1D	04/29/05	VOC	Trichloroethene	79-01-6	2.10E-01		5.00E-03	**4.2E+01**
4	AOI16	BEC-2D	04/19/05	VOC	1,2-Dichloroethane	107-06-2	1.50E-02		5.00E-03	**3.0E+00**
4	AOI16	BEC-2D	04/19/05	VOC	Trichloroethene	79-01-6	2.00E-01		5.00E-03	**4.0E+01**
4	AOI16	BEC-2D	04/19/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.50E-03		6.11E-04	**2.5E+00**
4	AOI16	BEC-3D	04/19/05	VOC	1,2-Dichloroethane	107-06-2	1.00E-02		5.00E-03	**2.0E+00**
4	AOI16	BEC-3D	04/19/05	VOC	Trichloroethene	79-01-6	6.60E-02		5.00E-03	**1.3E+01**
4	AOI16	BEC-3D	04/19/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	5.20E-03		6.11E-04	**8.5E+00**
4	AOI16	BEC-4D	04/19/05	VOC	Trichloroethene	79-01-6	3.90E-02		5.00E-03	**7.8E+00**
4	AOI26	MW-52W	04/18/05	VOC	Benzene	71-43-2	5.10E-02		5.00E-03	**1.0E+01**
4	AOI26	MW-52W	04/18/05	VOC	1,2-Dichloroethane	107-06-2	7.70E-02		5.00E-03	**1.5E+01**
4	AOI26	MW-52W	04/18/05	VOC	cis-1,2-Dichloroethene	156-59-2	2.20E-01		7.00E-02	**3.1E+00**
4	AOI26	MW-52W	04/18/05	VOC	Trichloroethene	79-01-6	3.00E-01		5.00E-03	**6.0E+01**
4	AOI26	MW-52W	04/18/05	VOC	Vinyl Chloride	75-01-4	3.30E-03	J	2.00E-03	**1.7E+00**
4	AOI26	MW-52W	04/18/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	4.00E-03		6.11E-04	**6.5E+00**
4	AOI28	MW-17W	08/08/05	INORG	Cadmium	7440-43-9	5.40E-03		5.00E-03	**1.1E+00**
4	AOI28	MW-17W	08/08/05	INORG	Manganese	7439-96-5	1.07E+00		8.76E-01	**1.2E+00**
2	AOI28	MW-28W	08/09/05	VOC	Trichloroethene	79-01-6	1.30E-01		5.00E-03	**2.6E+01**
2	AOI28	MW-8W	08/08/05	VOC	Trichloroethene	79-01-6	3.20E-01		5.00E-03	**6.4E+01**
4	General	BEC-1B	11/17/04	VOC	Benzene	71-43-2	5.90E-02		5.00E-03	**1.2E+01**
4	General	BEC-1B	11/17/04	VOC	1,2-Dichloroethane	107-06-2	6.80E-02		5.00E-03	**1.4E+01**
4	General	BEC-1B	11/17/04	VOC	Tetrachloroethene	127-18-4	1.50E-02		5.00E-03	**3.0E+00**
4	General	BEC-1B	11/17/04	VOC	Trichloroethene	79-01-6	5.00E-01		5.00E-03	**1.0E+02**
4	General	BEC-1B	11/17/04	VOC	Vinyl Chloride	75-01-4	4.60E-03	J	2.00E-03	**2.3E+00**
4	General	BEC-1B	11/17/04	SVOC	bis(2-Chloroethyl) ether	111-44-4	4.30E-03		6.11E-04	**7.0E+00**
4	General	BEC-1B	11/17/04	INORG	Arsenic	7440-38-2	1.14E-02		1.00E-02	**1.1E+00**
4	General	MW-15W	04/20/05	VOC	Trichloroethene	79-01-6	5.80E-02		5.00E-03	**1.2E+01**

Table 3.3.2: Weathered Bedrock Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria
4	General	MW-15W	04/20/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	9.00E-04	J	6.11E-04	**1.5E+00**
1	General	MW-22W	08/10/05	VOC	1,2-Dichloroethane	107-06-2	1.90E-02		5.00E-03	**3.8E+00**
1	General	MW-22W	08/10/05	VOC	cis-1,2-Dichloroethene	156-59-2	7.80E-02		7.00E-02	**1.1E+00**
1	General	MW-22W	08/10/05	VOC	Trichloroethene	79-01-6	1.30E-01		5.00E-03	**2.6E+01**
1	General	MW-22W	08/10/05	VOC	Vinyl Chloride	75-01-4	5.40E-03		2.00E-03	**2.7E+00**
1	General	MW-22W	08/10/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	2.30E-03		6.11E-04	**3.8E+00**
1	General	MW-35W	08/11/05	VOC	1,2-Dichloroethane	107-06-2	1.20E-02		5.00E-03	**2.4E+00**
1	General	MW-35W	08/11/05	VOC	Tetrachloroethene	127-18-4	5.70E-03		5.00E-03	**1.1E+00**
1	General	MW-35W	08/11/05	VOC	Trichloroethene	79-01-6	2.20E-01		5.00E-03	**4.4E+01**
1	General	MW-35W	08/11/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	3.10E-03		6.11E-04	**5.1E+00**
2	General	MW-41W	08/09/05	VOC	1,1-Dichloroethene	75-35-4	2.20E-02		7.00E-03	**3.1E+00**
2	General	MW-41W	08/09/05	VOC	cis-1,2-Dichloroethene	156-59-2	4.90E-01		7.00E-02	**7.0E+00**
2	General	MW-41W	08/09/05	VOC	Trichloroethene	79-01-6	2.70E-01		5.00E-03	**5.4E+01**
4	General	MW-42W	04/21/05	INORG	Manganese	7439-96-5	9.65E-01		8.76E-01	**1.1E+00**
1	General	MW-43W	05/09/05	VOC	Trichloroethene	79-01-6	1.30E-02		5.00E-03	**2.6E+00**
1	General	MW-44W	04/21/05	VOC	Trichloroethene	79-01-6	7.80E-03		5.00E-03	**1.6E+00**
4	General	MW-45W	04/18/05	VOC	1,2-Dichloroethane	107-06-2	6.20E-03		5.00E-03	**1.2E+00**
4	General	MW-45W	04/18/05	VOC	Trichloroethene	79-01-6	9.10E-02		5.00E-03	**1.8E+01**
4	General	MW-45W	04/18/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	9.00E-04	J	6.11E-04	**1.5E+00**
1	General	MW-46W	08/11/05	VOC	Benzene	71-43-2	1.30E-02		5.00E-03	**2.6E+00**
1	General	MW-46W	08/11/05	VOC	1,2-Dichloroethane	107-06-2	2.20E-02		5.00E-03	**4.4E+00**
1	General	MW-46W	08/11/05	VOC	cis-1,2-Dichloroethene	156-59-2	2.50E-01		7.00E-02	**3.6E+00**
1	General	MW-46W	08/11/05	VOC	Trichloroethene	79-01-6	4.90E-02		5.00E-03	**9.8E+00**
1	General	MW-46W	08/11/05	VOC	Vinyl Chloride	75-01-4	3.10E-03		2.00E-03	**1.6E+00**
1	General	MW-46W	08/11/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.70E-03		6.11E-04	**2.8E+00**
1	General	MW-47W	08/11/05	VOC	Benzene	71-43-2	6.80E-01		5.00E-03	**1.4E+02**
1	General	MW-47W	08/11/05	VOC	Chlorobenzene	108-90-7	5.70E-01		1.00E-01	**5.7E+00**
1	General	MW-47W	08/11/05	VOC	Chloroform	67-66-3	1.90E-01		8.00E-02	**2.4E+00**
1	General	MW-47W	08/11/05	VOC	1,2-Dichloroethane	107-06-2	2.50E-01		5.00E-03	**5.0E+01**
1	General	MW-47W	08/11/05	VOC	1,1-Dichloroethene	75-35-4	2.40E-02		7.00E-03	**3.4E+00**
1	General	MW-47W	08/11/05	VOC	cis-1,2-Dichloroethene	156-59-2	1.50E+00		7.00E-02	**2.1E+01**
1	General	MW-47W	08/11/05	VOC	trans-1,2-Dichloroethene	156-60-5	3.50E-01		1.00E-01	**3.5E+00**
1	General	MW-47W	08/11/05	VOC	Tetrachloroethene	127-18-4	3.80E-01		5.00E-03	**7.6E+01**
1	General	MW-47W	08/11/05	VOC	1,1,2-Trichloroethane	79-00-5	4.30E-02		5.00E-03	**8.6E+00**

Table 3.3.2: Weathered Bedrock Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria
1	General	MW-47W	08/11/05	VOC	Trichloroethene	79-01-6	1.20E+01		5.00E-03	**2.4E+03**
1	General	MW-47W	08/11/05	VOC	Vinyl Chloride	75-01-4	9.50E-02		2.00E-03	**4.8E+01**
1	General	MW-47W	08/11/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	4.20E-02		6.11E-04	**6.9E+01**
1	General	MW-47W	08/11/05	INORG	Arsenic	7440-38-2	1.79E-02		1.00E-02	**1.8E+00**
2	General	MW-48W	08/09/05	VOC	1,1-Dichloroethene	75-35-4	1.20E-01		7.00E-03	**1.7E+01**
2	General	MW-48W	08/09/05	VOC	cis-1,2-Dichloroethene	156-59-2	4.90E-01		7.00E-02	**7.0E+00**
2	General	MW-48W	08/09/05	VOC	Trichloroethene	79-01-6	2.90E+00		5.00E-03	**5.8E+02**
2	General	MW-48W	08/09/05	VOC	Vinyl Chloride	75-01-4	4.60E-03		2.00E-03	**2.3E+00**
1	General	MW-49W	05/05/05	VOC	1,2-Dichloroethane	107-06-2	1.50E-02		5.00E-03	**3.0E+00**
1	General	MW-49W	05/05/05	VOC	cis-1,2-Dichloroethene	156-59-2	1.20E-01		7.00E-02	**1.7E+00**
1	General	MW-49W	05/05/05	VOC	Trichloroethene	79-01-6	7.60E-03		5.00E-03	**1.5E+00**
1	General	MW-49W	05/05/05	VOC	Vinyl Chloride	75-01-4	3.70E-03	J	2.00E-03	**1.9E+00**
1	General	MW-49W	05/05/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.30E-02		6.11E-04	**2.1E+01**
1	General	MW-49W	05/05/05	INORG	Arsenic	7440-38-2	3.59E-02		1.00E-02	**3.6E+00**
1	General	MW-49W	05/05/05	INORG	Manganese	7439-96-5	1.01E+00		8.76E-01	**1.2E+00**
4	General	MW-50W	04/21/05	VOC	1,2-Dichloroethane	107-06-2	3.50E-02		5.00E-03	**7.0E+00**
4	General	MW-50W	04/21/05	VOC	Tetrachloroethene	127-18-4	1.10E-02		5.00E-03	**2.2E+00**
4	General	MW-50W	04/21/05	VOC	Trichloroethene	79-01-6	4.70E-01		5.00E-03	**9.4E+01**
4	General	MW-50W	04/21/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.10E-02		6.11E-04	**1.8E+01**
4	General	MW-55W	04/20/05	VOC	Trichloroethene	79-01-6	1.50E-01		5.00E-03	**3.0E+01**
4	General	MW-55W	04/20/05	INORG	Manganese	7439-96-5	1.55E+00		8.76E-01	**1.8E+00**
3	General	MW-62W	08/09/05	VOC	Trichloroethene	79-01-6	2.80E-02		5.00E-03	**5.6E+00**
3	General	MW-63W	04/21/05	VOC	1,2-Dichloroethane	107-06-2	1.00E-02		5.00E-03	**2.0E+00**
3	General	MW-63W	04/21/05	VOC	cis-1,2-Dichloroethene	156-59-2	1.10E-01		7.00E-02	**1.6E+00**
3	General	MW-63W	04/21/05	VOC	Trichloroethene	79-01-6	3.00E-01		5.00E-03	**6.0E+01**
3	General	MW-63W	04/21/05	VOC	Vinyl Chloride	75-01-4	3.00E-03	J	2.00E-03	**1.5E+00**
1	General	MW-66W	05/06/05	VOC	1,2-Dichloroethane	107-06-2	3.80E-02		5.00E-03	**7.6E+00**
1	General	MW-66W	05/06/05	VOC	cis-1,2-Dichloroethene	156-59-2	1.40E-01		7.00E-02	**2.0E+00**
1	General	MW-66W	05/06/05	VOC	Tetrachloroethene	127-18-4	1.10E-02		5.00E-03	**2.2E+00**
1	General	MW-66W	05/06/05	VOC	Trichloroethene	79-01-6	3.60E-01		5.00E-03	**7.2E+01**
1	General	MW-66W	05/06/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.30E-02		6.11E-04	**2.1E+01**
1	General	MW-66W	05/06/05	INORG	Manganese	7439-96-5	1.71E+00	J	8.76E-01	**2.0E+00**
2	General	MW-67W	08/09/05	VOC	Trichloroethene	79-01-6	2.00E-02		5.00E-03	**4.0E+00**
4	General	MW-68W	05/11/05	VOC	1,1-Dichloroethene	75-35-4	9.00E-03		7.00E-03	**1.3E+00**

Table 3.3.2: Weathered Bedrock Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria
4	General	MW-68W	05/11/05	VOC	Trichloroethene	79-01-6	1.00E-01		5.00E-03	2.0E+01
3	General	MW-69W	04/22/05	VOC	Trichloroethene	79-01-6	5.60E-01		5.00E-03	1.1E+02
	General	MW-70W	09/09/05	VOC	Trichloroethene	79-01-6	3.55E-02		5.00E-03	7.1E+00
	General	MW-79W	09/06/05	VOC	Trichloroethene	79-01-6	7.10E-02		5.00E-03	1.4E+01
	General	MW-84W	09/07/05	VOC	Trichloroethene	79-01-6	5.70E-02		5.00E-03	1.1E+01
	General	MW-84W	09/07/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.20E-03		6.11E-04	2.0E+00
1	General	MW-9W	04/26/05	VOC	Benzene	71-43-2	7.40E-02		5.00E-03	1.5E+01
1	General	MW-9W	04/26/05	VOC	1,2-Dichloroethane	107-06-2	5.60E-02		5.00E-03	1.1E+01
1	General	MW-9W	04/26/05	VOC	cis-1,2-Dichloroethene	156-59-2	7.90E-02		7.00E-02	1.1E+00
1	General	MW-9W	04/26/05	VOC	Tetrachloroethene	127-18-4	1.20E-02		5.00E-03	2.4E+00
1	General	MW-9W	04/26/05	VOC	Trichloroethene	79-01-6	9.20E-01		5.00E-03	1.8E+02
1	General	MW-9W	04/26/05	VOC	Vinyl Chloride	75-01-4	9.30E-03		2.00E-03	4.7E+00
1	General	MW-9W	04/26/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	4.40E-03		6.11E-04	7.2E+00

Table 3.3.3: Bedrock Groundwater Samples Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Wellzone	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria
1	General	Unit B1	MW-45B	04/18/05	VOC	Trichloroethene	79-01-6	7.60E-02		5.00E-03	1.5E+01
1	General	Unit B1	MW-45B	04/18/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	7.50E-04	J	6.11E-04	1.2E+00

Table 3.5.1: Monitoring Well Locations Potentially Discharging to Morses Creek GMC - Linden, New Jersey			
Location	**Well Group**	**Area**	**Bedrock Unit**
MW-49S	1	General	NA
MW-43S	1	General	NA
MW-44S	1	General	NA
MW-15S	4	General	NA
BEC-5D	4	General	NA
BEC-13S	4	AOI16	NA
BEC-2S	4	AOI16	NA
BEC-1SR	4	AOI16	NA
BEC-14S	4	AOI16	NA
BEC-9S	4	AOI16	NA
BEC-10S	4	AOI16	NA
MW-70S	4	General	NA
MW-68W	4	General	NA
MW-45B	1	General	Unit B1

Table 3.5.2: Groundwater Samples Potentially Discharging to Morses Creek Exceeding Screening Criteria
GMC - Linden, New Jersey

Well Group	Area	Bedrock Unit	Location	Sample Date	Chem Group	Chemical	CASRN	Conc (mg/L)	Qual	Drinking Water Criteria (mg/L)	Ratio of Conc to DW Criteria
1	General		MW-49S	05/05/05	INORG	Manganese	7439-96-5	1.19E+00		8.76E-01	1.4E+00
1	General		MW-43S	05/09/05	INORG	Manganese	7439-96-5	3.62E+00		8.76E-01	4.1E+00
4	General		BEC-5D	04/21/05	VOC	Trichloroethene	79-01-6	5.00E-02		5.00E-03	**1.0E+01**
4	General		BEC-5D	04/21/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	1.90E-03		6.11E-04	3.1E+00
4	General		BEC-5D	04/21/05	INORG	Mercury	7439-97-6	2.20E-03		2.00E-03	1.1E+00
4	AOI16		BEC-1SR	04/19/05	INORG	Manganese	7439-96-5	1.23E+00		8.76E-01	1.4E+00
4	AOI16		BEC-1SR	04/19/05	INORG	Vanadium	7440-62-2	4.93E-02		3.65E-02	1.4E+00
4	AOI16		BEC-14S	04/20/05	INORG	Arsenic	7440-38-2	2.57E-02		1.00E-02	2.6E+00
4	AOI16		BEC-14S	04/20/05	INORG	Manganese	7439-96-5	3.82E+00		8.76E-01	4.4E+00
4	AOI16		BEC-9S	04/19/05	VOC	Trichloroethene	79-01-6	6.90E-03		5.00E-03	1.4E+00
4	AOI16		BEC-9S	04/19/05	INORG	Manganese	7439-96-5	2.34E+00		8.76E-01	2.7E+00
4	AOI16		BEC-10S	04/18/05	INORG	Manganese	7439-96-5	8.27E+00		8.76E-01	9.4E+00
4	General		MW-68W	05/11/05	VOC	1,1-Dichloroethene	75-35-4	9.00E-03		7.00E-03	1.3E+00
4	General		MW-68W	05/11/05	VOC	Trichloroethene	79-01-6	1.00E-01		5.00E-03	**2.0E+01**
1	General	Unit B1	MW-45B	04/18/05	VOC	Trichloroethene	79-01-6	7.60E-02		5.00E-03	**1.5E+01**
1	General	Unit B1	MW-45B	04/18/05	SVOC	bis(2-Chloroethyl) ether	111-44-4	7.50E-04	J	6.11E-04	1.2E+00

TABLE 3.7.1
PROPOSED GROUNDWATER MONITORING PROGRAM
GM LINDEN FACILITY
LINDEN, NEW JERSEY

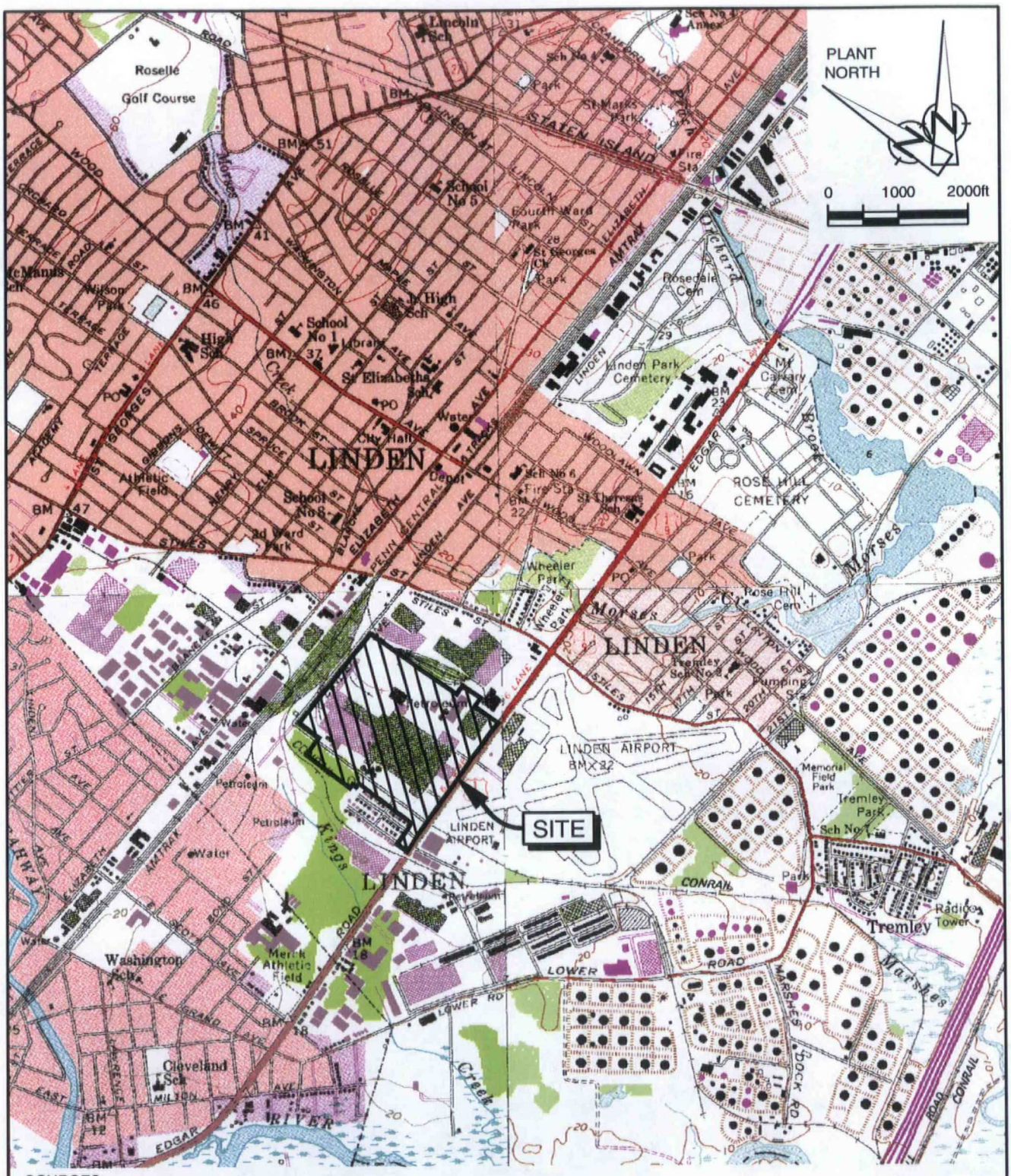
Location ID	Unit	Number of Previous RFI Samples	Additional Groundwater Samples*			Annual CA750 Stability Sampling	
			2005 Q4	2006 Q1	2006 Q2	2006 Q3	2007 Q3
BEC-1D	Weathered Bedrock	7				X	X
BEC-1SR	Overburden	5				X	X
BEC-2D	Weathered Bedrock	6				X	X
BEC-2S	Overburden	5				X	X
BEC-3D	Weathered Bedrock	6					
BEC-4D	Weathered Bedrock	6				X	X
BEC-4S	Overburden	6					
BEC-5D	Overburden	6				X	X
BEC-5S	Overburden	5					
BEC-6S	Overburden	5					
BEC-7S	Overburden	5					
BEC-8D	Overburden	7					
BEC-8S	Overburden	5					
BEC-9D	Overburden	7					
BEC-9S	Overburden	6				X	X
BEC-10S	Overburden	6				X	X
BEC-11S	Overburden	6					
BEC-12S	Overburden	6					
BEC-13S	Overburden	5				X	X
BEC-14S	Overburden	6				X	X
MW-01D	Overburden	4				X	X
MW-8B	BFZ#4	5					
MW-8W	Weathered Bedrock	7					
MW-9B	BFZ#2	3	X				
MW-9W	Weathered Bedrock	3	X				
MW-14W	Weathered Bedrock	3	X			X	X
MW-15B	BFZ#1	8				X	X
MW-15S	Overburden	7				X	X
MW-15W	Weathered Bedrock	8				X	X
MW-16B	BFZ#2	8				X	X
MW-16S	Overburden	7				X	X
MW-16W	Weathered Bedrock	8				X	X
MW-17B	BFZ#4	8				X	X
MW-17S	Overburden	7				X	X
MW-17W	Weathered Bedrock	8				X	X
MW-18B	BFZ#3	8				X	X
MW-18S	Overburden	7				X	X
MW-18W	Weathered Bedrock	8				X	X
MW-20S	Overburden	6					
MW-21S	Overburden	4					
MW-22S	Overburden	4					
MW-22W	Weathered Bedrock	6					
MW-23S	Overburden	5				X	X
MW-23W	Weathered Bedrock	6				X	X
MW-24S	Overburden	7					
MW-25S	Overburden	5					
MW-26S	Overburden	5				X	X
MW-26W	Weathered Bedrock	5				X	X
MW-27S	Overburden	2	X	X			
MW-27W	Weathered Bedrock	6					
MW-28W	Weathered Bedrock	5					
MW-29W	Weathered Bedrock	5				X	X
MW-30W	Weathered Bedrock	6				X	X
MW-31D	Overburden	4					
MW-31S	Overburden	4					
MW-31W	Weathered Bedrock	5					
MW-33D	Overburden	4					
MW-33W	Weathered Bedrock	5					
MW-34D	Overburden	4					
MW-34S	Overburden	5					
MW-34W	Weathered Bedrock	5					
MW-35W	Weathered Bedrock	5					
MW-36W	Weathered Bedrock	6					
MW-37B	BFZ#2	4					
MW-37W	Weathered Bedrock	5					
MW-38S	Overburden	4					
MW-39S	Overburden	6					
MW-40S	Overburden	3	X				
MW-40W	Weathered Bedrock	5					
MW-41S	Overburden	2	X	X			
MW-41W	Weathered Bedrock	5					
MW-42W	Weathered Bedrock	4					
MW-43B	BFZ#2	2	X	X		X	X
MW-43S	Overburden	3	X			X	X
MW-43W	Weathered Bedrock	3	X			X	X
MW-44B	BFZ#2	2	X	X		X	X
MW-44S	Overburden	3	X			X	X
MW-44W	Weathered Bedrock	4				X	X

TABLE 3.7.1
PROPOSED GROUNDWATER MONITORING PROGRAM
GM LINDEN FACILITY
LINDEN, NEW JERSEY

Location ID	Unit	Number of Previous RFI Samples	Additional Groundwater Samples*			Annual CA750 Stability Sampling	
			2005 Q4	2006 Q1	2006 Q2	2006 Q3	2007 Q3
MW-45B	BFZ#1	4				X	X
MW-45W	Weathered Bedrock	5				X	X
MW-46W	Weathered Bedrock	4				X	X
MW-47B	BFZ#2	2	X	X		X	X
MW-47S	Overburden	3	X			X	X
MW-47W	Weathered Bedrock	4				X	X
MW-48S	Overburden	2	X	X			
MW-48W	Weathered Bedrock	4					
MW-49B	BFZ#2	5				X	X
MW-49B4	BFZ#4	1	X	X	X	X	X
MW-49BD	BFZ#3	3	X			X	X
MW-49S	Overburden	3	X			X	X
MW-49W	Weathered Bedrock	3	X			X	X
MW-50B	BFZ#2	3	X			X	X
MW-50S	Overburden	3	X				
MW-50W	Weathered Bedrock	3	X				
MW-51S	Overburden	3	X				
MW-52B	BFZ#1	3	X			X	X
MW-52S	Overburden	3	X				
MW-52W	Weathered Bedrock	3	X				
MW-53S	Overburden	3	X				
MW-54B	BFZ#3	2	X	X		X	X
MW-54W	Weathered Bedrock	2	X	X		X	X
MW-55B	BFZ#3	3	X			X	X
MW-55S	Overburden	3	X				
MW-55W	Weathered Bedrock	4					
MW-57B	BFZ#3	3	X				
MW-57S	Overburden	3	X				
MW-57W	Weathered Bedrock	4					
MW-58B	BFZ#4	3	X				
MW-58W	Weathered Bedrock	3	X			X	X
MW-59B	BFZ#4	3	X				
MW-59S	Overburden	3	X				
MW-59W	Weathered Bedrock	3	X				
MW-61B	BFZ#4	2	X	X			
MW-61S	Overburden	2	X	X			
MW-61W	Weathered Bedrock	2	X	X		X	X
MW-62B	BFZ#4	3	X				
MW-62S	Overburden	2	X	X			
MW-62W	Weathered Bedrock	2	X	X		X	X
MW-63B	BFZ#3	2	X	X		X	X
MW-63S	Overburden	2	X	X		X	X
MW-63W	Weathered Bedrock	2	X	X		X	X
MW-66B	BFZ#2	3	X				
MW-66W	Weathered Bedrock	2	X	X			
MW-67S	Overburden	2	X	X			
MW-67W	Weathered Bedrock	2	X	X			
MW-68S	Overburden	2	X	X		X	X
MW-68W	Weathered Bedrock	2	X	X		X	X
MW-69S	Overburden	2	X	X		X	X
MW-69W	Weathered Bedrock	2	X	X		X	X
MW-70S	Overburden	1	X	X	X	X	X
MW-70W	Weathered Bedrock	1	X	X	X	X	X
MW-78S	Overburden	1	X	X	X	X	X
MW-78W	Weathered Bedrock	1	X	X	X	X	X
MW-79S	Overburden	1	X	X	X	X	X
MW-79W	Weathered Bedrock	1	X	X	X	X	X
MW-81S	Overburden	1	X	X	X		
MW-82S	Overburden	1	X	X	X		
MW-83S	Overburden	1	X	X	X		
MW-84S	Overburden	1	X	X	X		
MW-84W	Weathered Bedrock	1	X	X	X		

Notes:
* Indicates additional samples requried to obtain a minimum of four quarters of groundwater results.

Figures



SOURCES:
USGS QUADRANGLES, PHOTOREVISED 1981:
ARTHUR KILL, N.Y.-N.J.
PERTH AMBOY, N.J.
ELIZABETH, N.J.-N.Y.
ROSELLE, N.J.

figure 1

FACILITY LOCATION
GENERAL MOTORS VEHICLE MANUFACTURING-
LINDEN ASSEMBLY
Linden, New Jersey

17371-00(PRES019)GN-WA002 JUL 25/2005

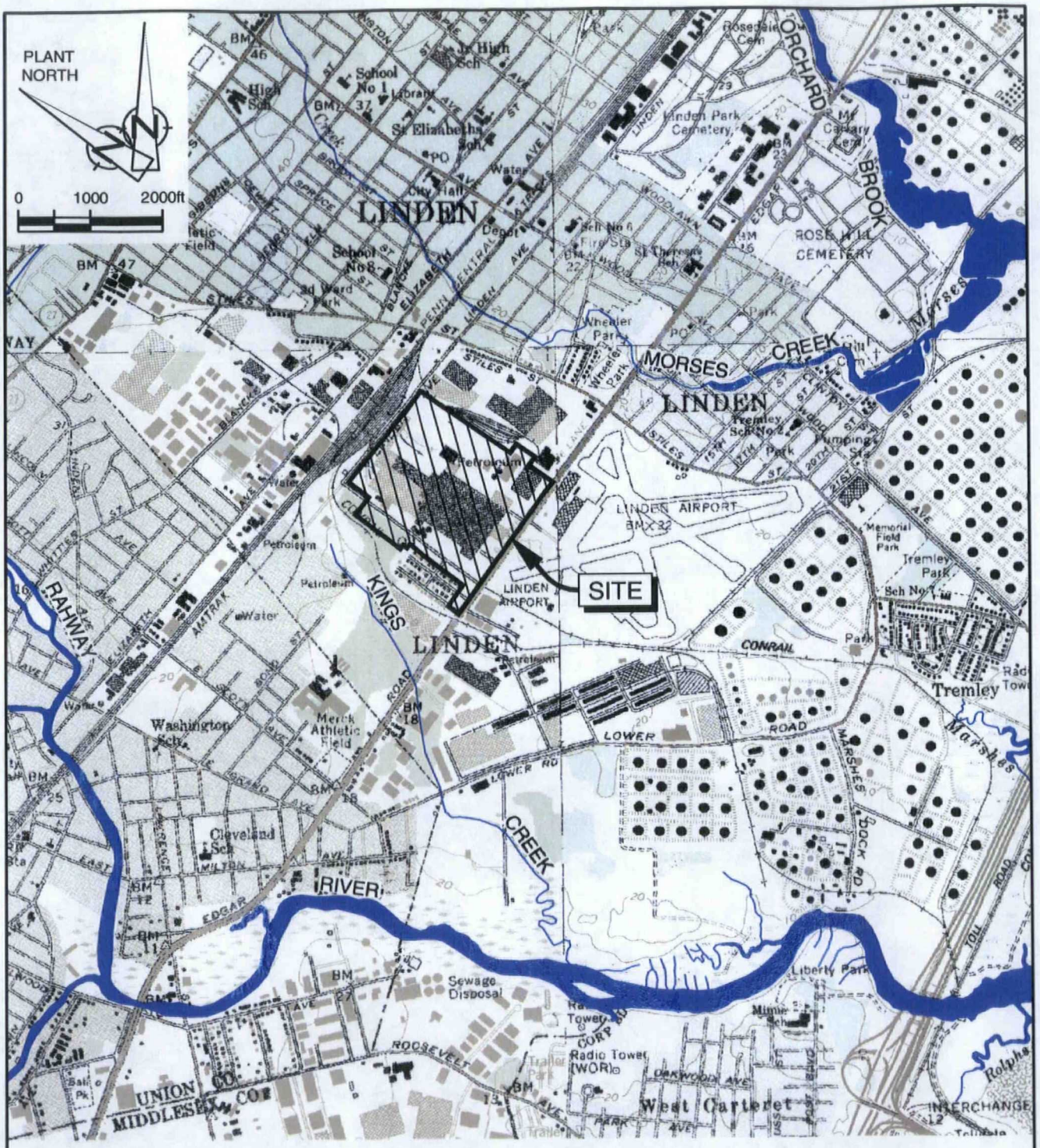


figure 4

LOCAL WATER BODIES
GENERAL MOTORS VEHICLE MANUFACTURING-
LINDEN ASSEMBLY
Linden, New Jersey

SOURCE:
USGS 7.5 MINUTE TOPOGRAPHIC STATE QUADRANGLE MAPS (ELIZABETH, ROSELLE, ARTHUR KELL AND PERTH AMBOY) 1981
SCALE 1:24000

17371-00(PRES019)GN-WA004 SEP 26/2005

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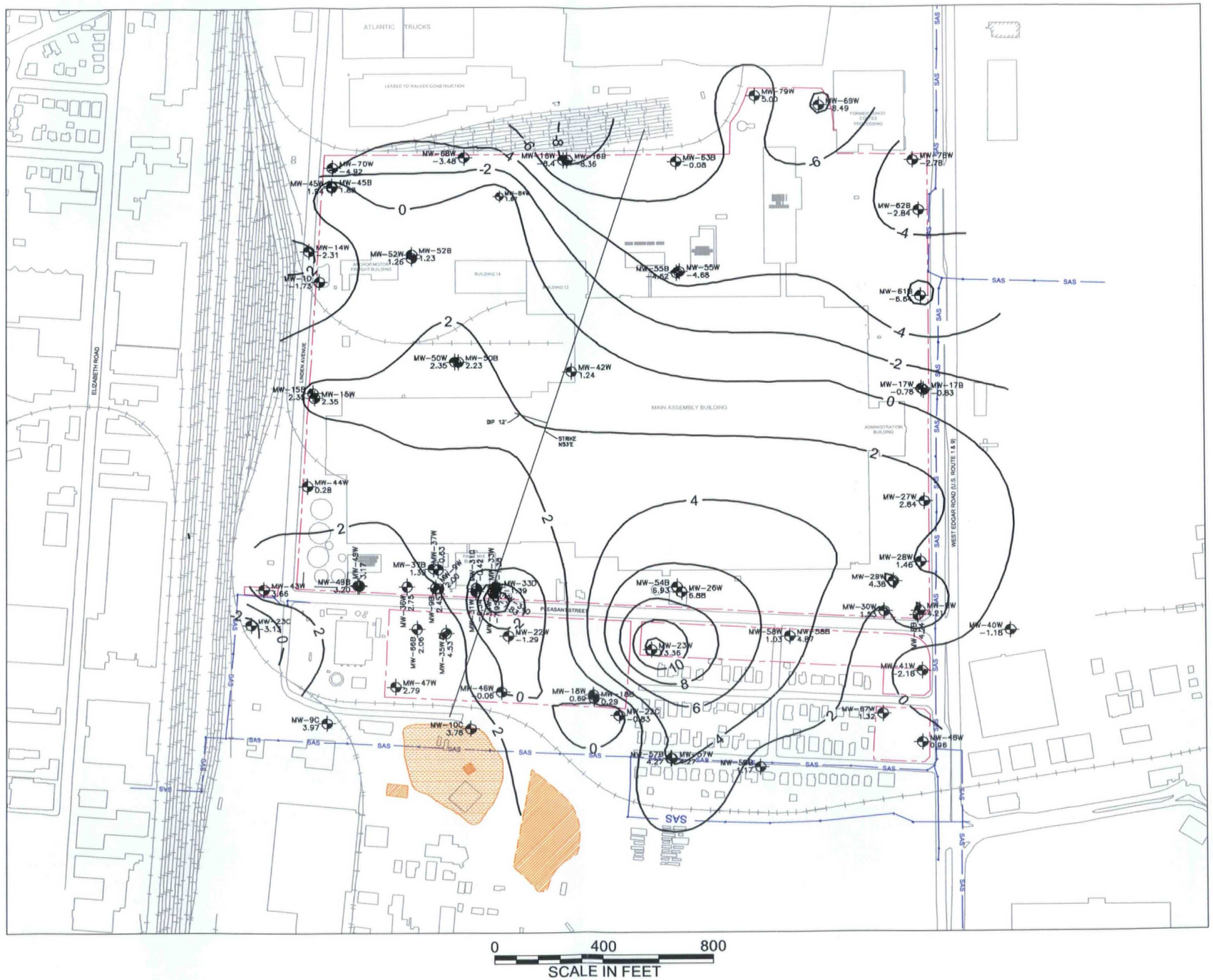
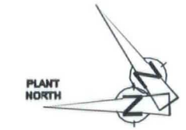




LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — BEDROCK ELEVATION CONTOUR (CONTOUR INTERVAL: 2.0 FOOT)
- (16.30) BEDROCK ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

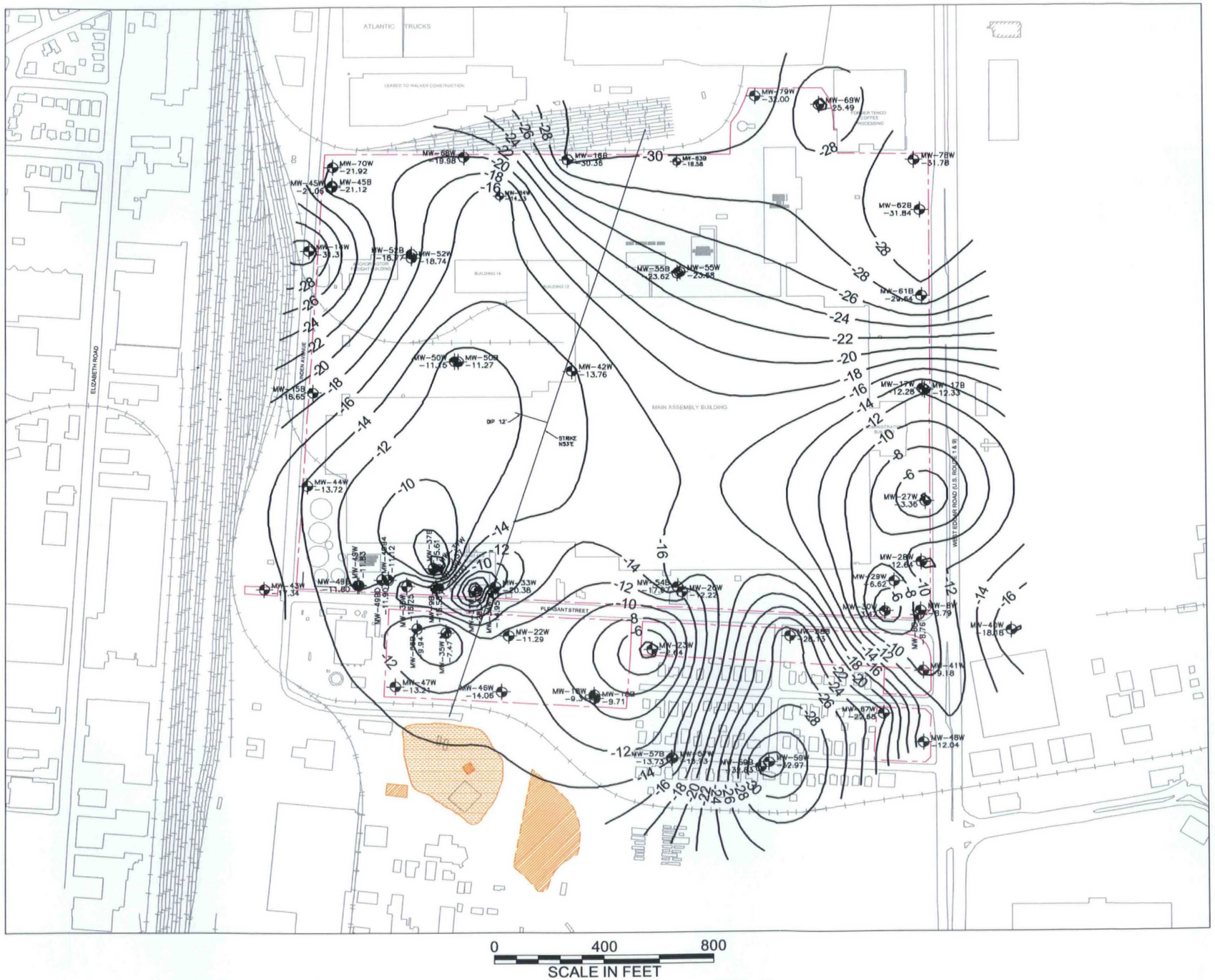
GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

TOP OF WEATHERED BEDROCK CONTOURS SEPTEMBER 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 10



0 400 800
SCALE IN FEET

PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — BEDROCK ELEVATION CONTOUR (CONTOUR INTERVAL: 2.0 FOOT)
- (16.30) BEDROCK ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

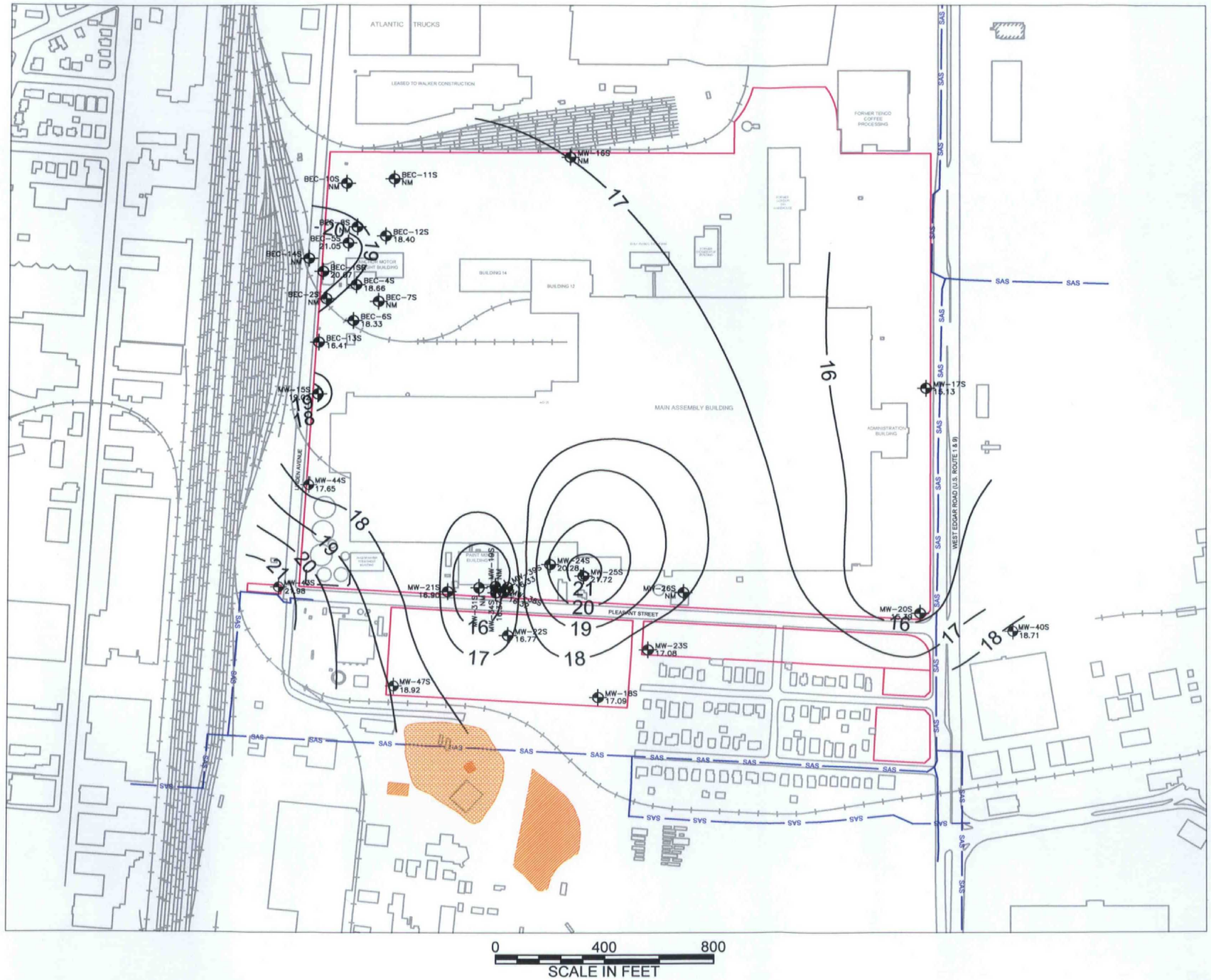
TOP OF BEDROCK
CONTOUR PLAN
SEPTEMBER 2005

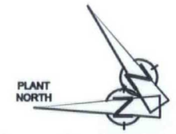
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 11

G:\28499\AutoCAD\Bedrock Elevations\28499-BEDROCK_ELEVATIONS_SEPT05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (18.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JANUARY 14, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

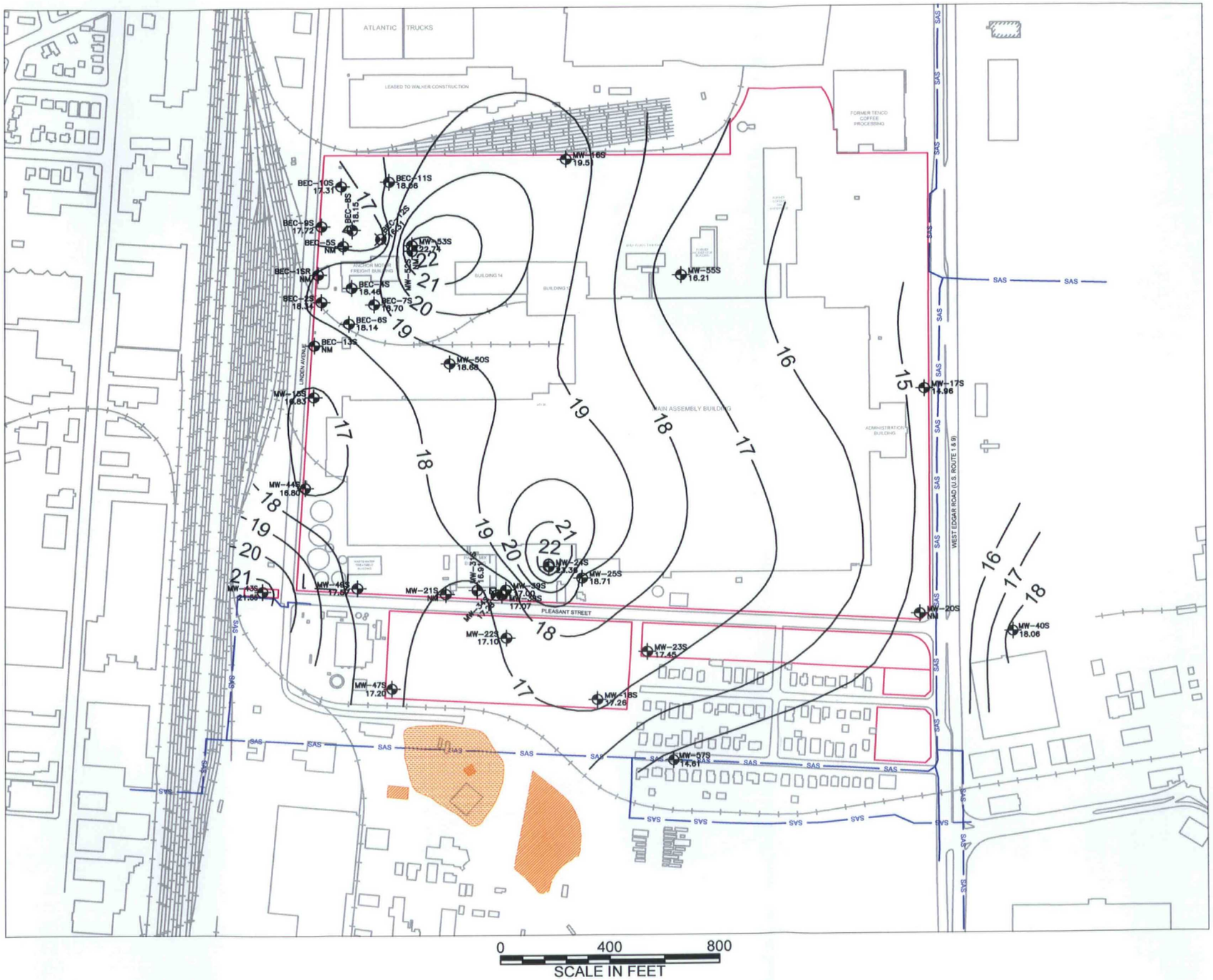
OVERBURDEN GROUNDWATER CONTOURS – JANUARY 2005

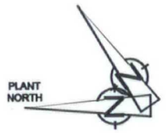
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12A

G:\28499\308\CA750\Figures\JAN05_GW_ELEV.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON FEBRUARY 11, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

OVERBURDEN GROUNDWATER CONTOURS – FEBRUARY 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12B

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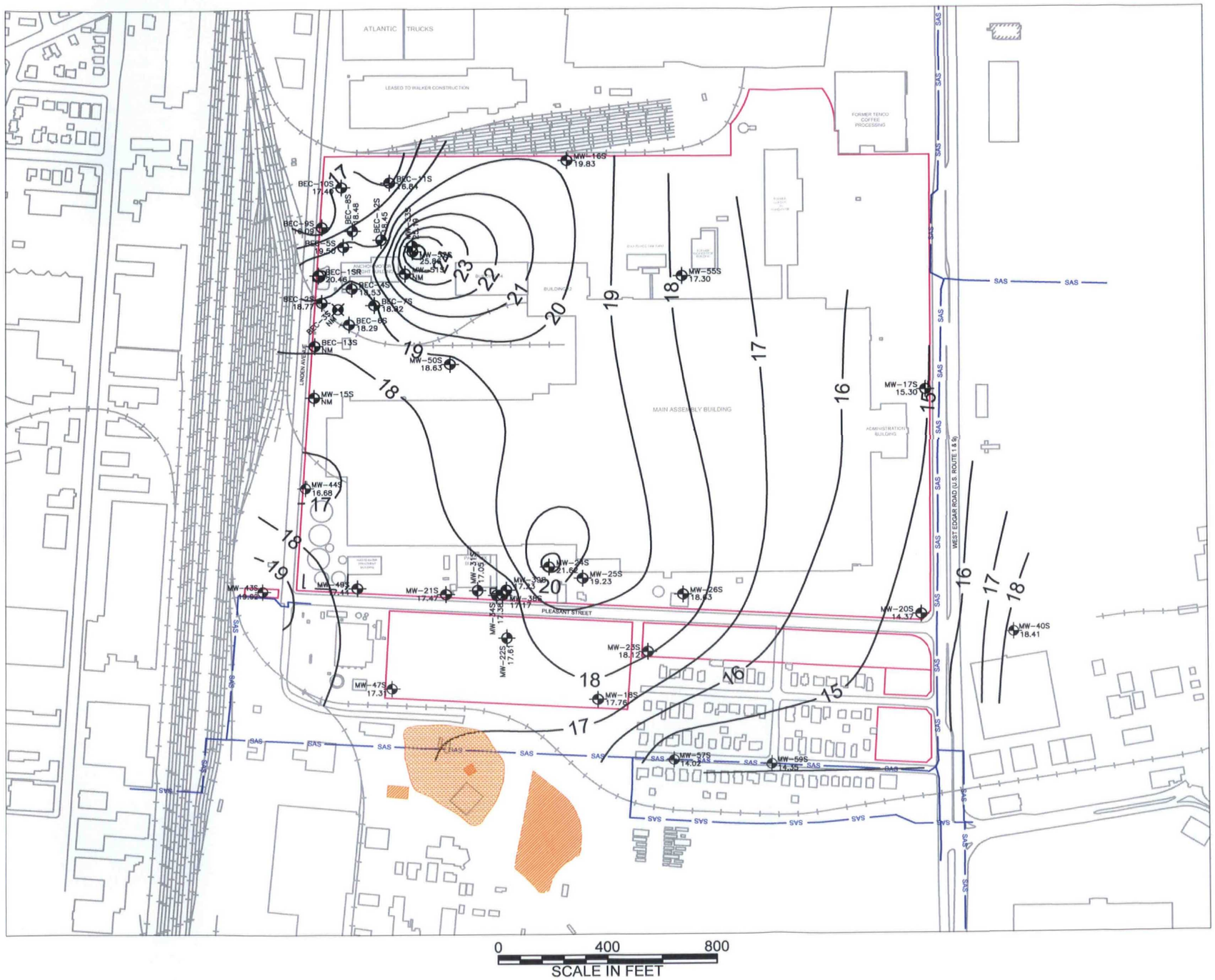

PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MARCH 17, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

OVERBURDEN GROUNDWATER CONTOURS – MARCH 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12C

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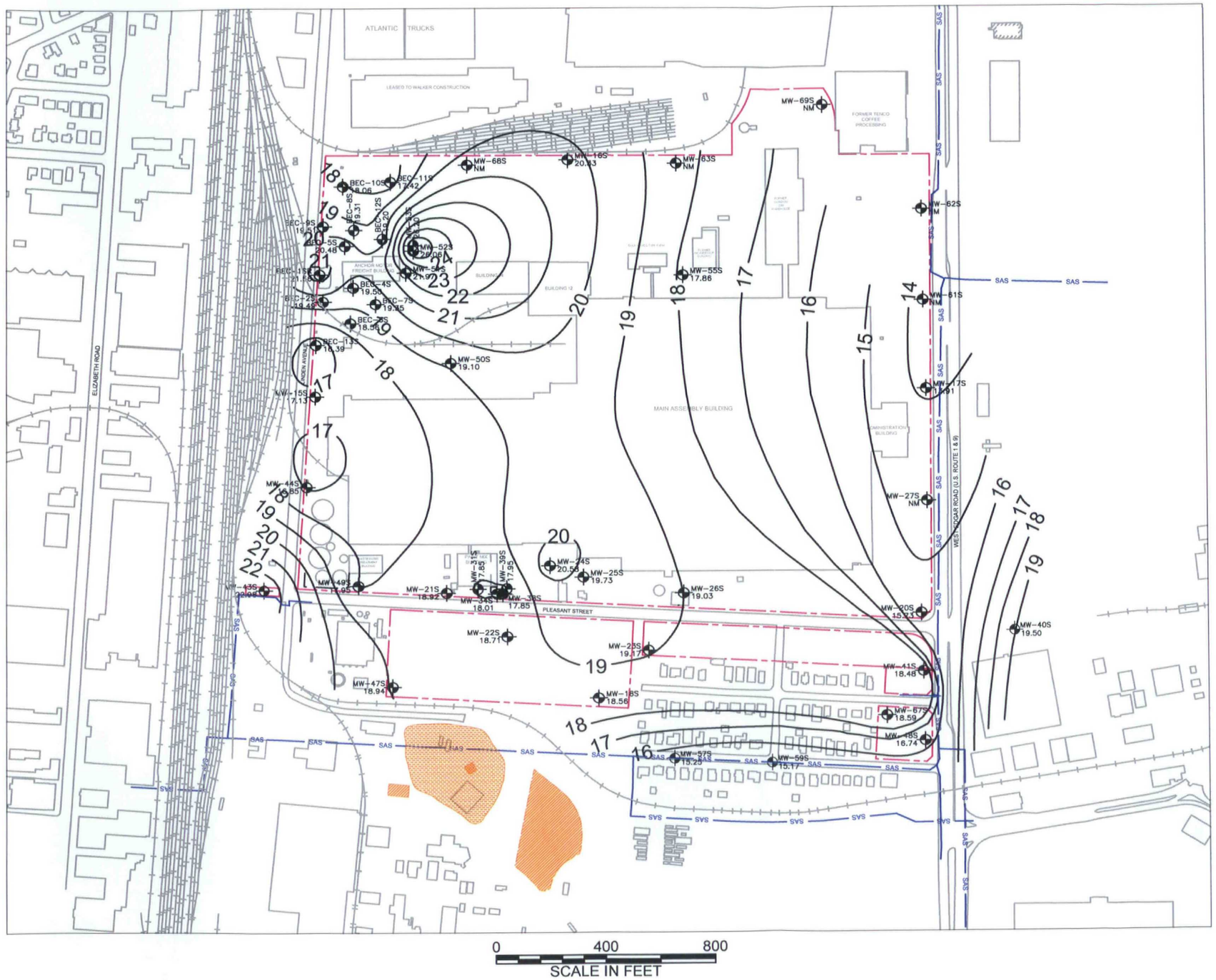


PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON APRIL 5, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

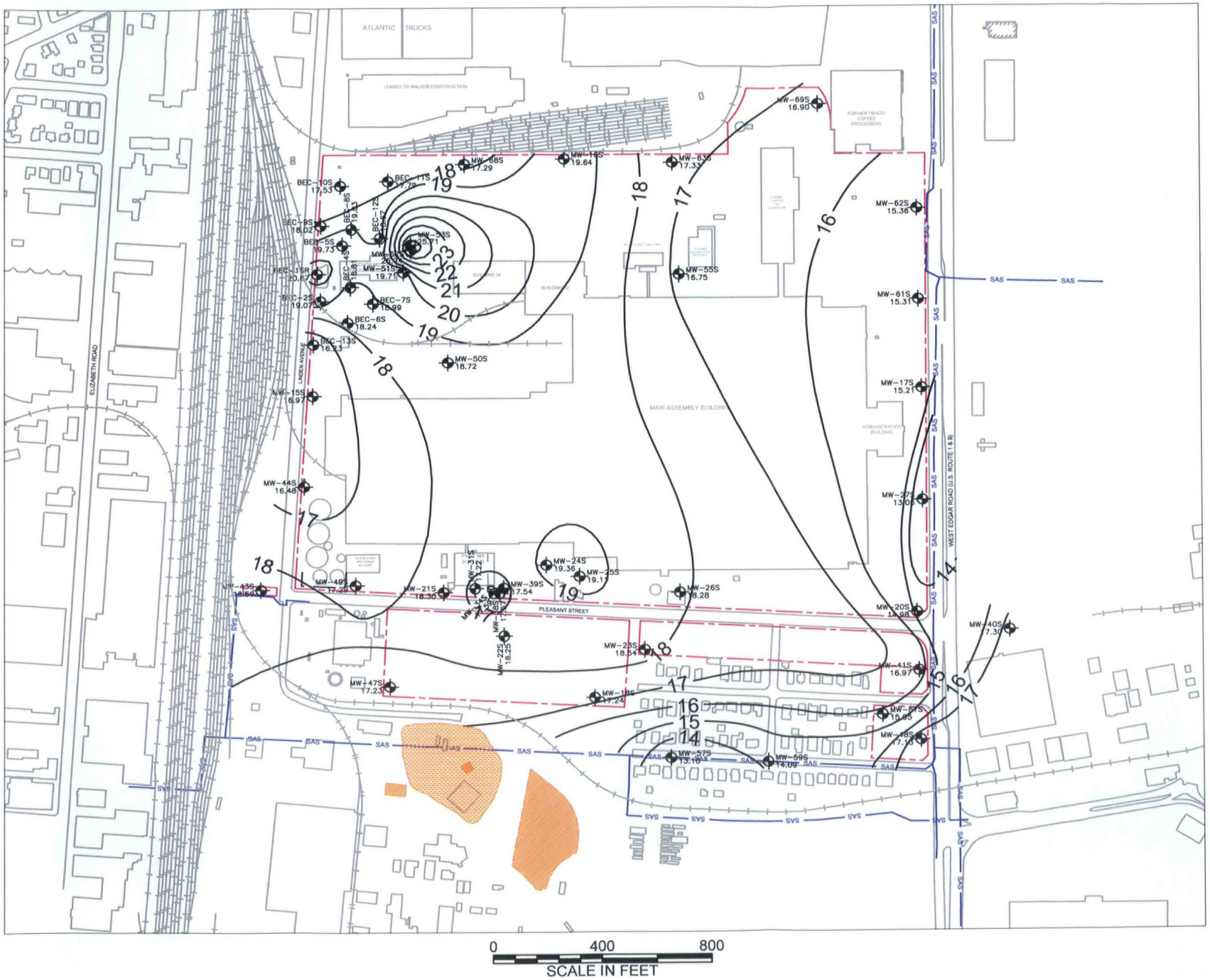
OVERBURDEN GROUNDWATER CONTOURS – APRIL 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12D

G:\28499\308\CA750\Figures\28499-GW_CONT-APRIL_2005_R2.dwg



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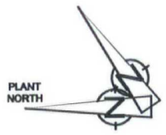
SCALE IN FEET



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MAY 9, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

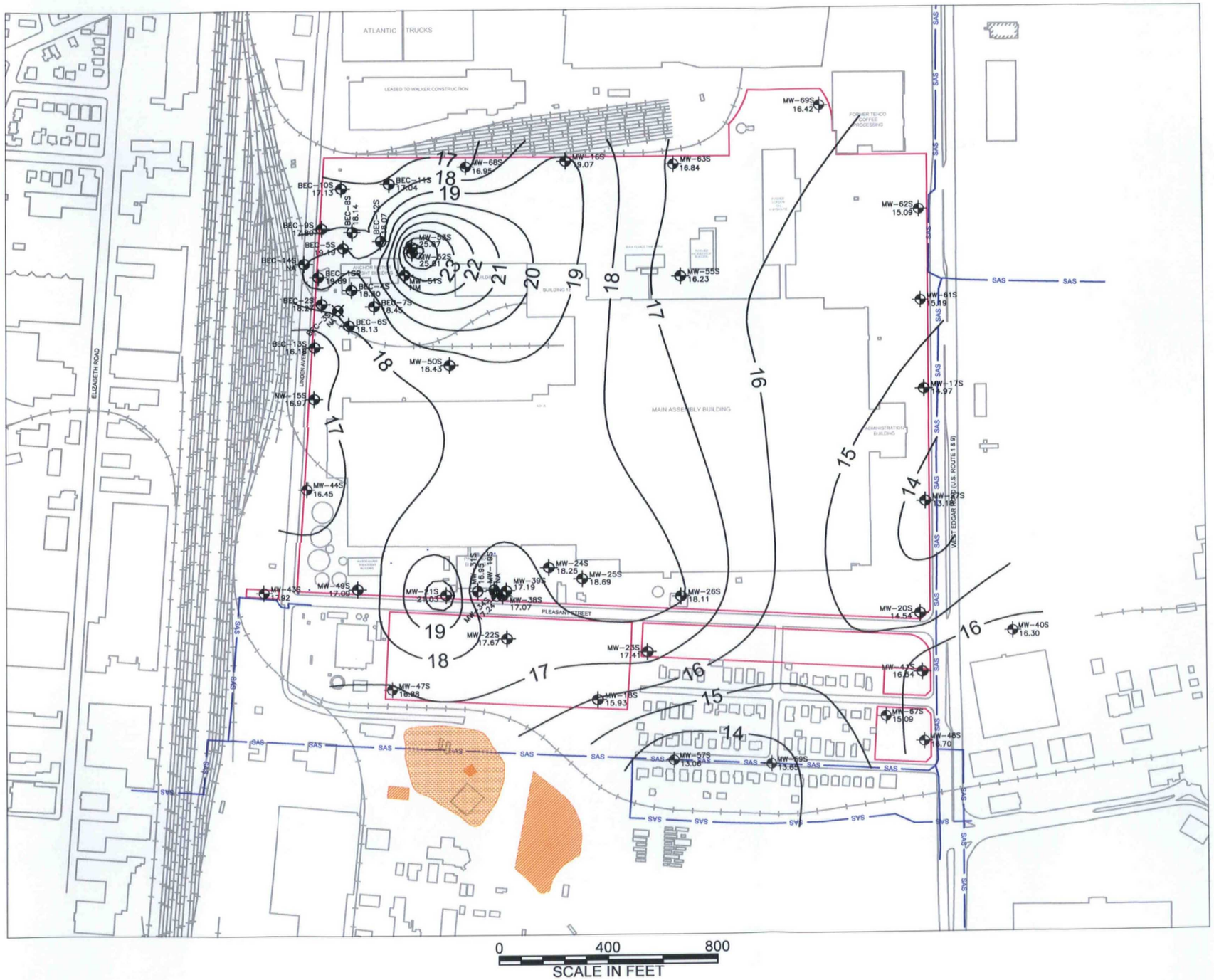
OVERBURDEN GROUNDWATER CONTOURS – MAY 2005

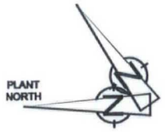
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12E

G:\28499\308\CA750\Figures\28499-GW_CONT-MAY_2005_R3.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JUNE 20, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

OVERBURDEN GROUNDWATER CONTOURS – JUNE 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12F

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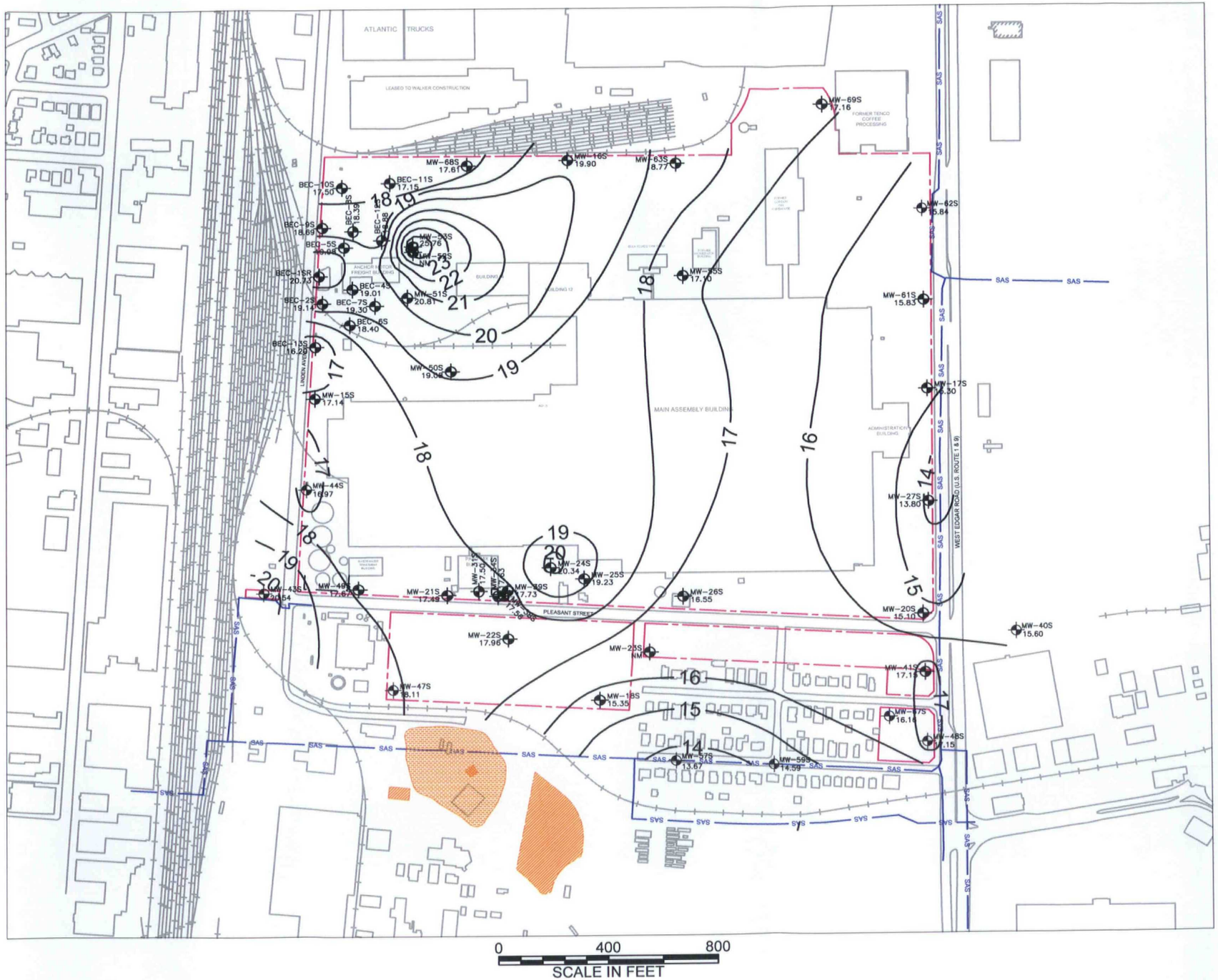

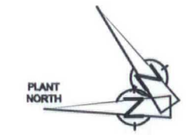

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JULY 11, 2005.
2. NM – NOT MEASURED.

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LINDEN, NEW JERSEY

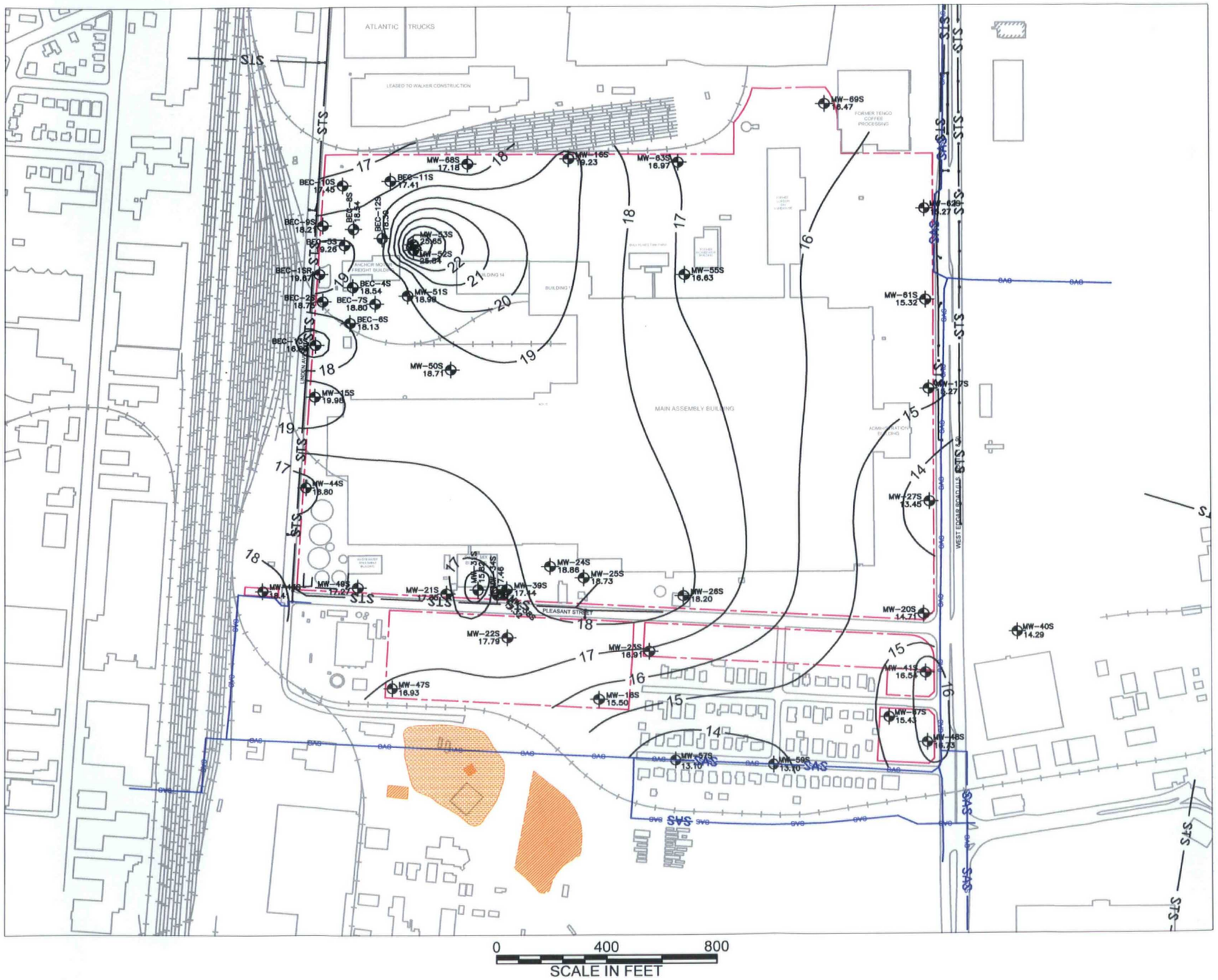
OVERBURDEN GROUNDWATER CONTOURS – JULY 2005

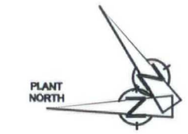
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12G

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-JULY05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON AUGUST 4, 2005.
2. NM – NOT MEASURED.

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GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

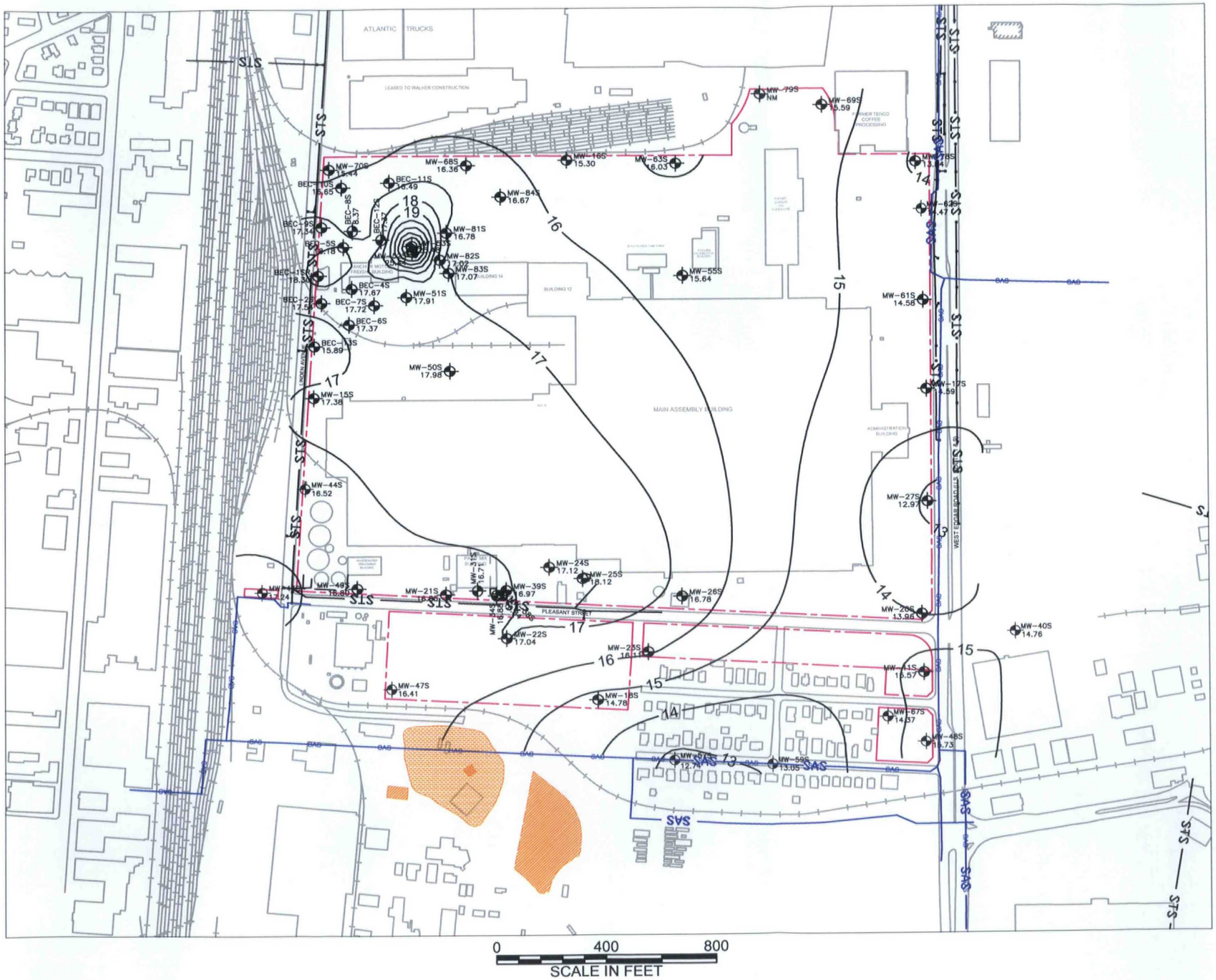
OVERBURDEN GROUNDWATER CONTOURS – AUGUST 2005

SCALE: AS SHOWN

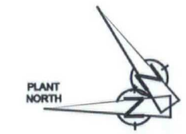
SEPTEMBER 27, 2005

FIGURE 12H

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-AUGUST05.dwg



0 400 800
SCALE IN FEET



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON SEPTEMBER 12, 2005.

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GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

OVERBURDEN GROUNDWATER CONTOURS
SEPTEMBER 12, 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12I

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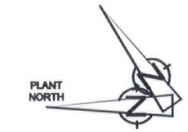
SCALE IN FEET



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON SEPTEMBER 12, 2005.
2. MW-52S & MW-53S EXCLUDED FROM CONTOURS.

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UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

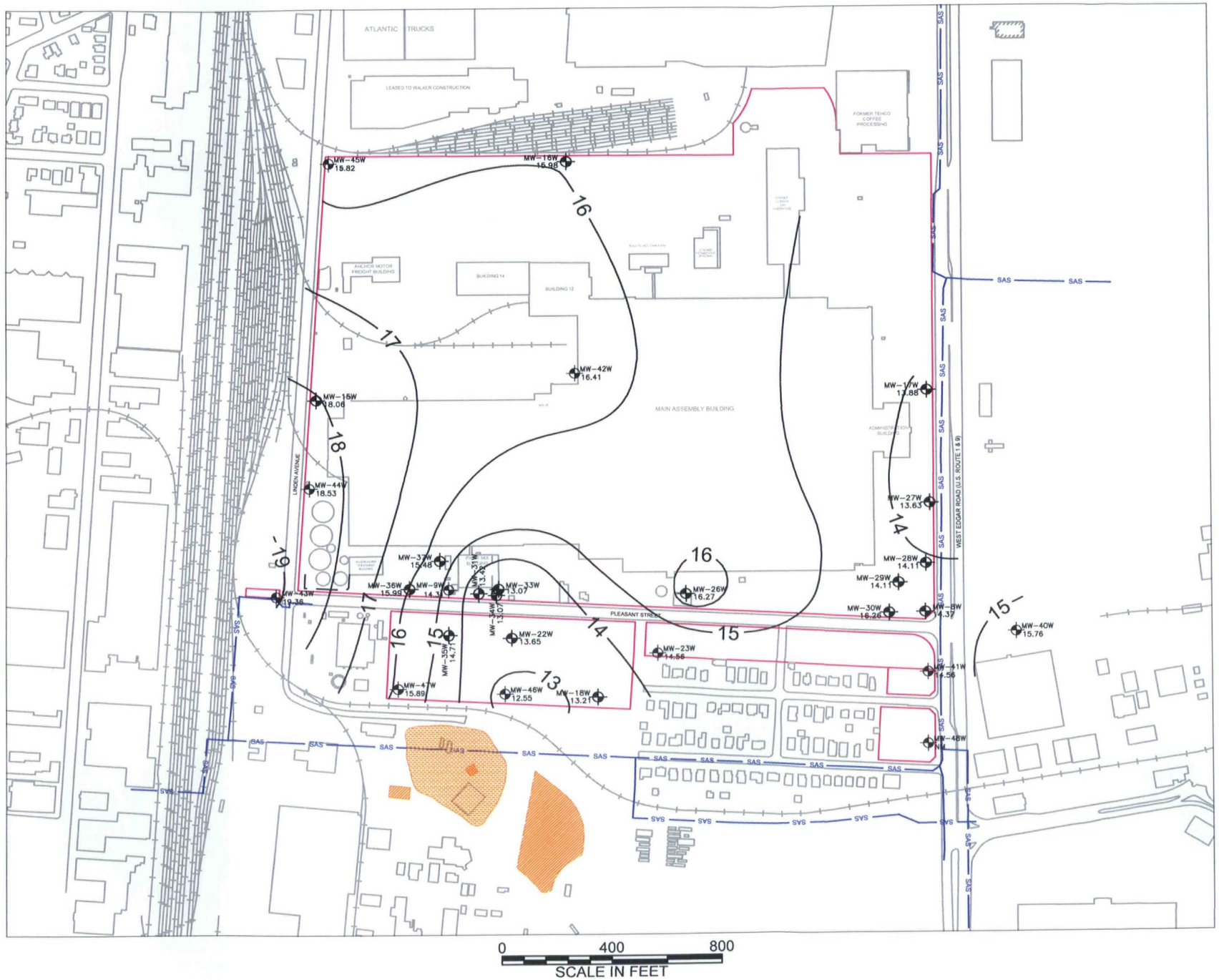
OVERBURDEN GROUNDWATER CONTOURS
SEPTEMBER 12, 2005 (REVISED)

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 12J

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-SEPT05.dwg



PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JANUARY 14, 2005.
2. NM – NOT MEASURED.

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GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

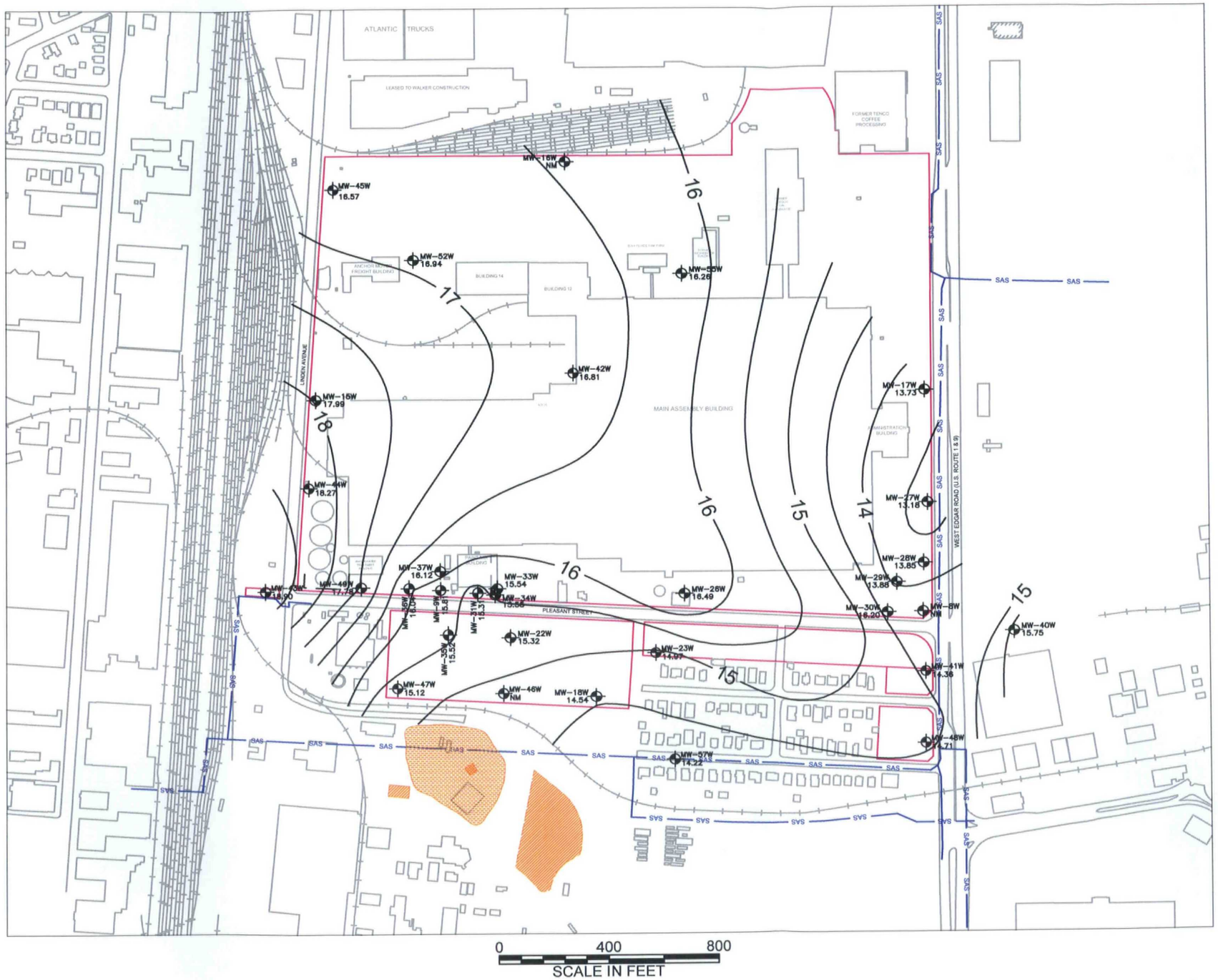
WEATHERED GROUNDWATER CONTOURS – JANUARY 2005

SCALE: AS SHOWN

JULY 29, 2005

FIGURE 17A

G:\28499\308\CA750\Figures\JAN05_GW_ELEV.dwg



0 400 800
SCALE IN FEET

PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON FEBRUARY 11, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

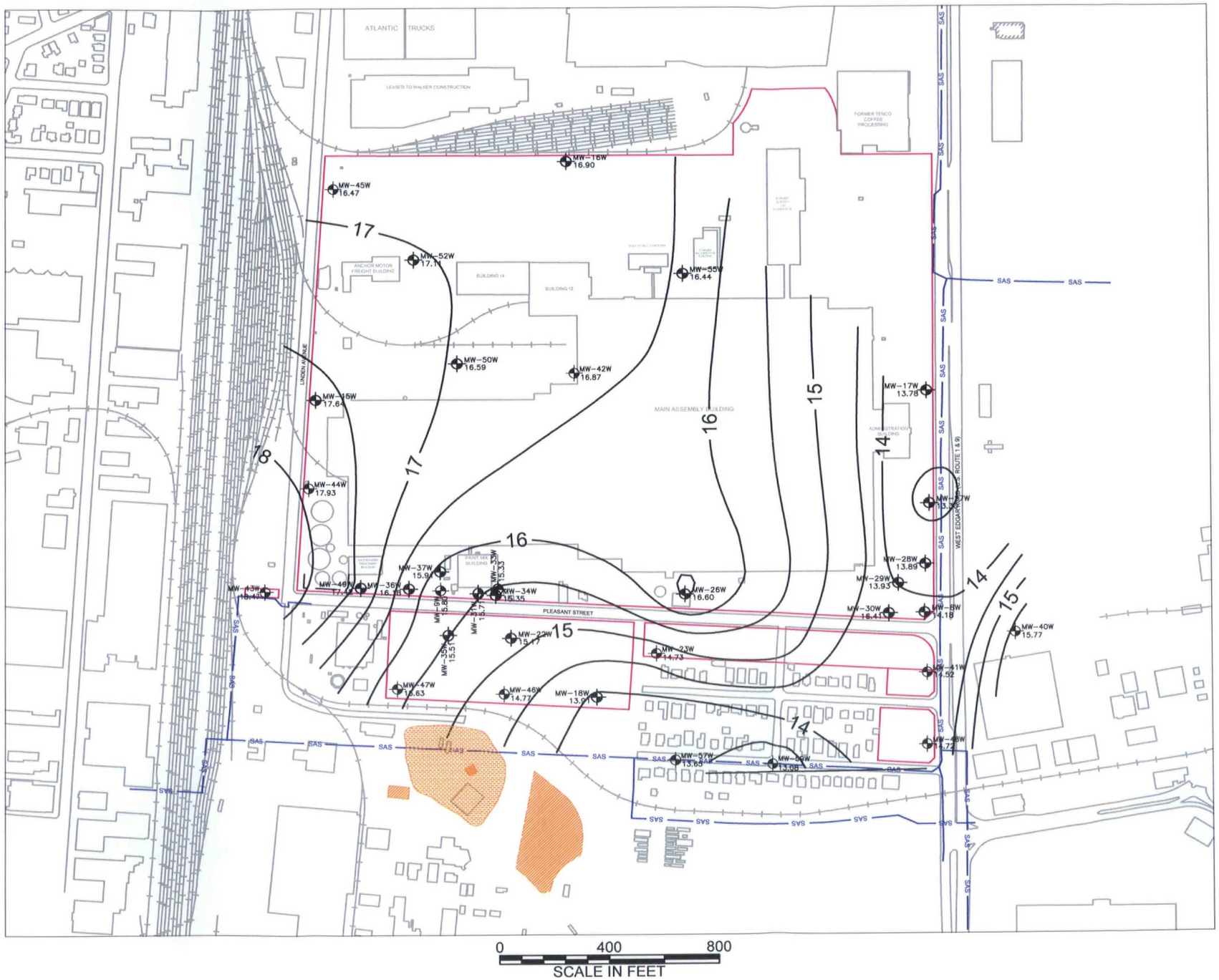
WEATHERED GROUNDWATER CONTOURS – FEBRUARY 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 17B

G:\28499\308\CA750\Figures\FEBRUARY_2005_GW CONT.dwg



PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MARCH 17, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

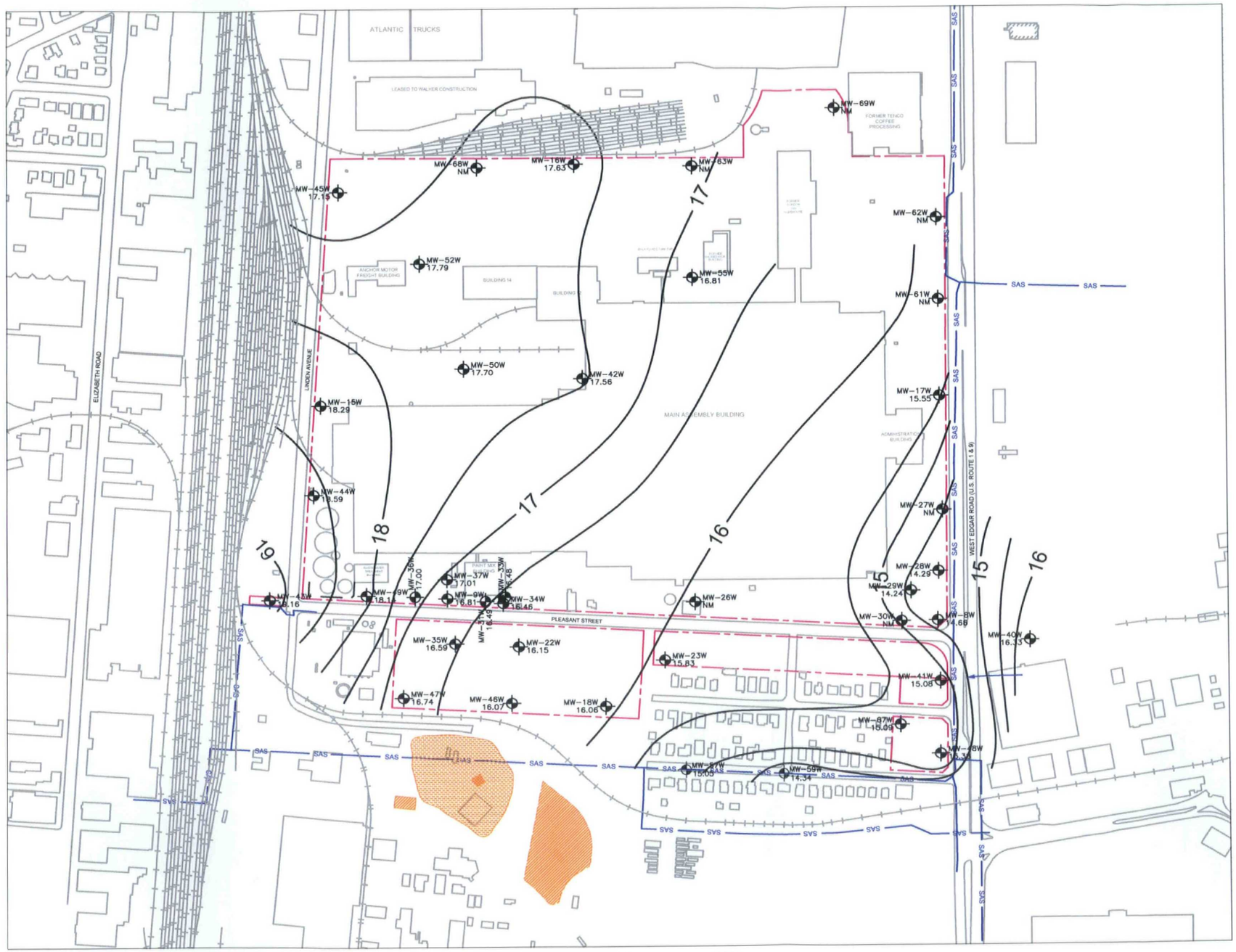
WEATHERED GROUNDWATER CONTOURS – MARCH 2005

SCALE: AS SHOWN

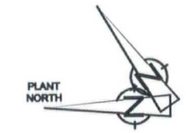
SEPTEMBER 27, 2005

FIGURE 17C

G:\28499\308\CA750\Figures\28499-UTILITY_GW-CONT_R2.dwg



0 400 800
SCALE IN FEET



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- GROUNDWATER FLOW DIRECTION
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON APRIL 5, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

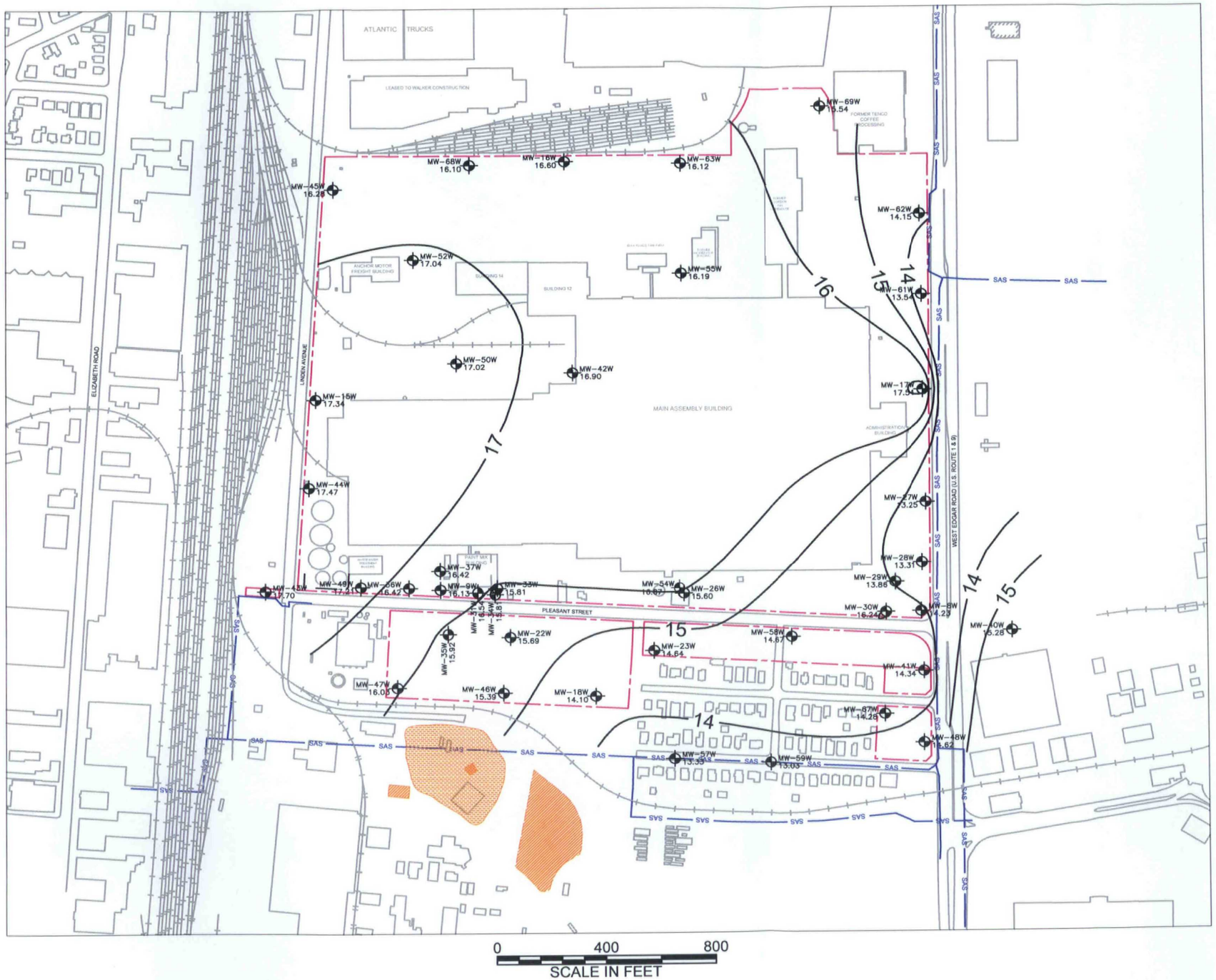
WEATHERED GROUNDWATER CONTOURS – APRIL 2005

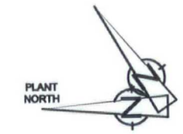
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 17D

G:\28499\308\CA750\Figures\28499-GW_CONT-APRIL_2005_R2.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MAY 9, 2005.
2. NM – NOT MEASURED.

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UNDERGROUND INGENUITY & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

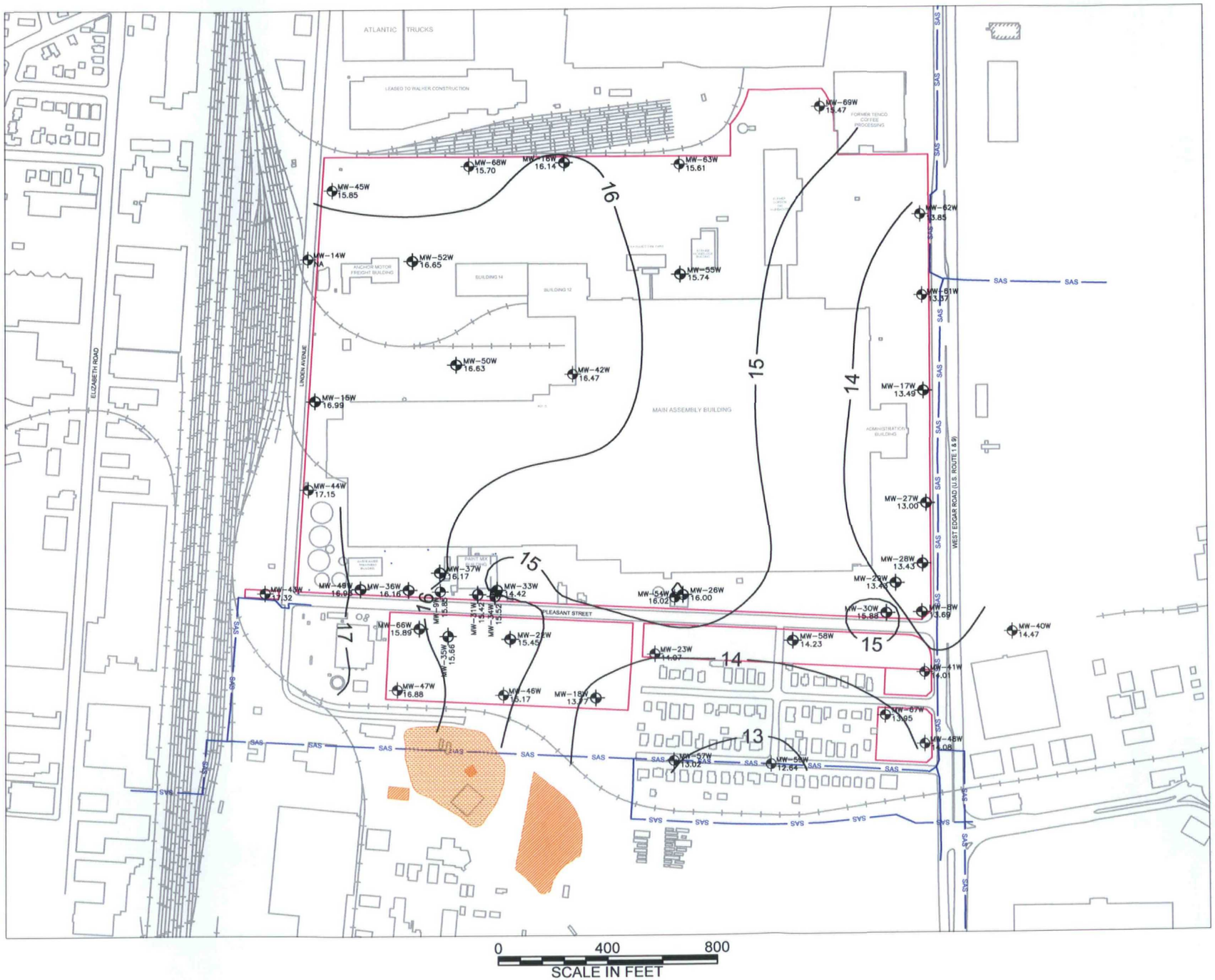
WEATHERED GROUNDWATER CONTOURS – MAY 2005

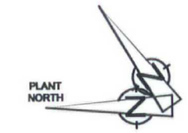
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 17E

G:\28499\308\CA750\Figures\28499-GW_CONT-MAY_2005_R3.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JUNE 20, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

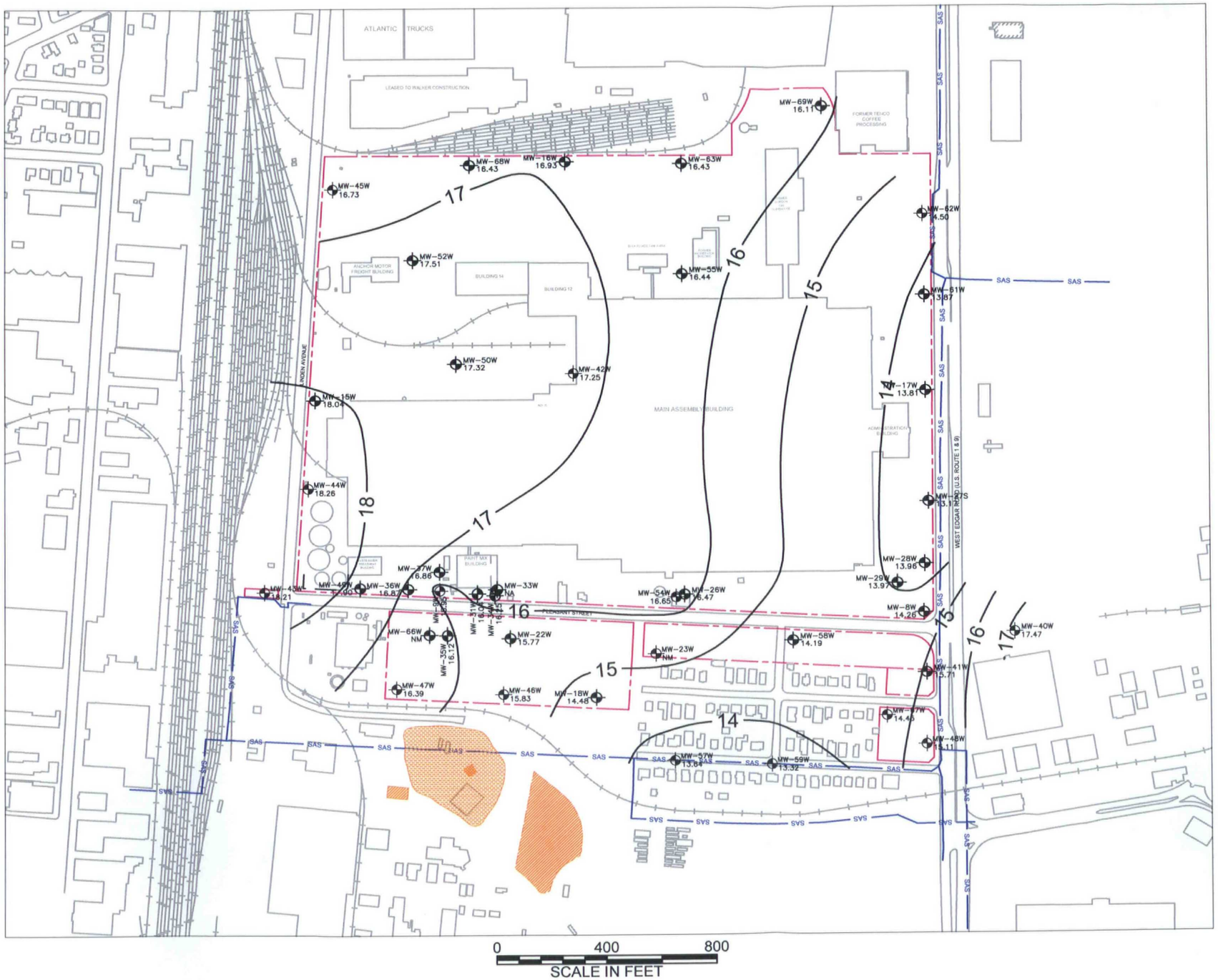
WEATHERED GROUNDWATER CONTOURS – JUNE 2005

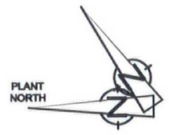
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 17F

G:\28499\308\CA750\Figures\28499-GW_CONT_JUNE-2005.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JULY 11, 2005.
2. MW-30W EXCLUDED FROM GROUNDWATER CONTOURS.
3. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

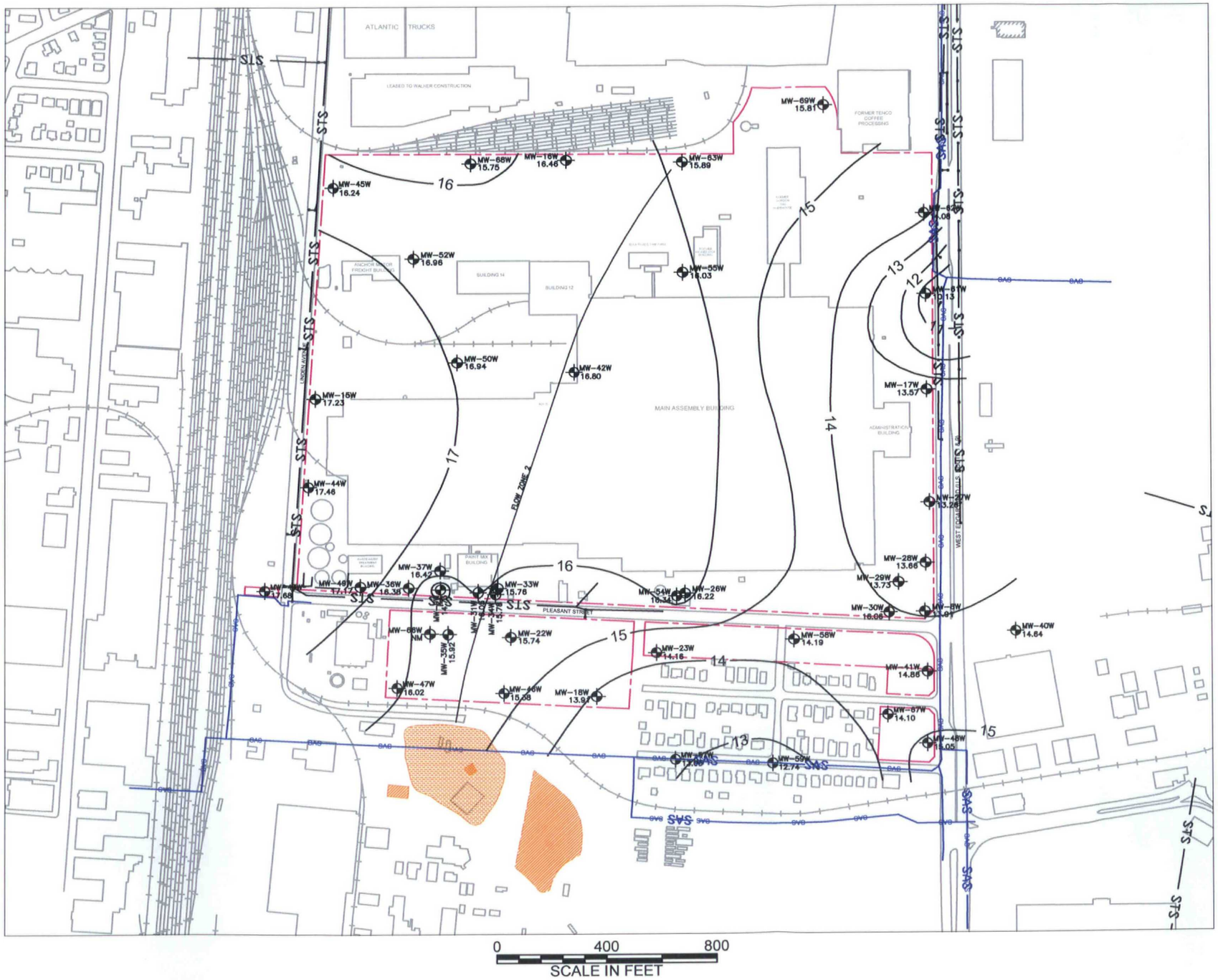
WEATHERED GROUNDWATER CONTOURS – JULY 2005

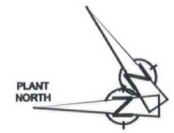
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 17G

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-JULY05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON AUGUST 4, 2005.
2. NM – NOT MEASURED.
3. MW-30W EXCLUDED FROM GROUNDWATER CONTOURS.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

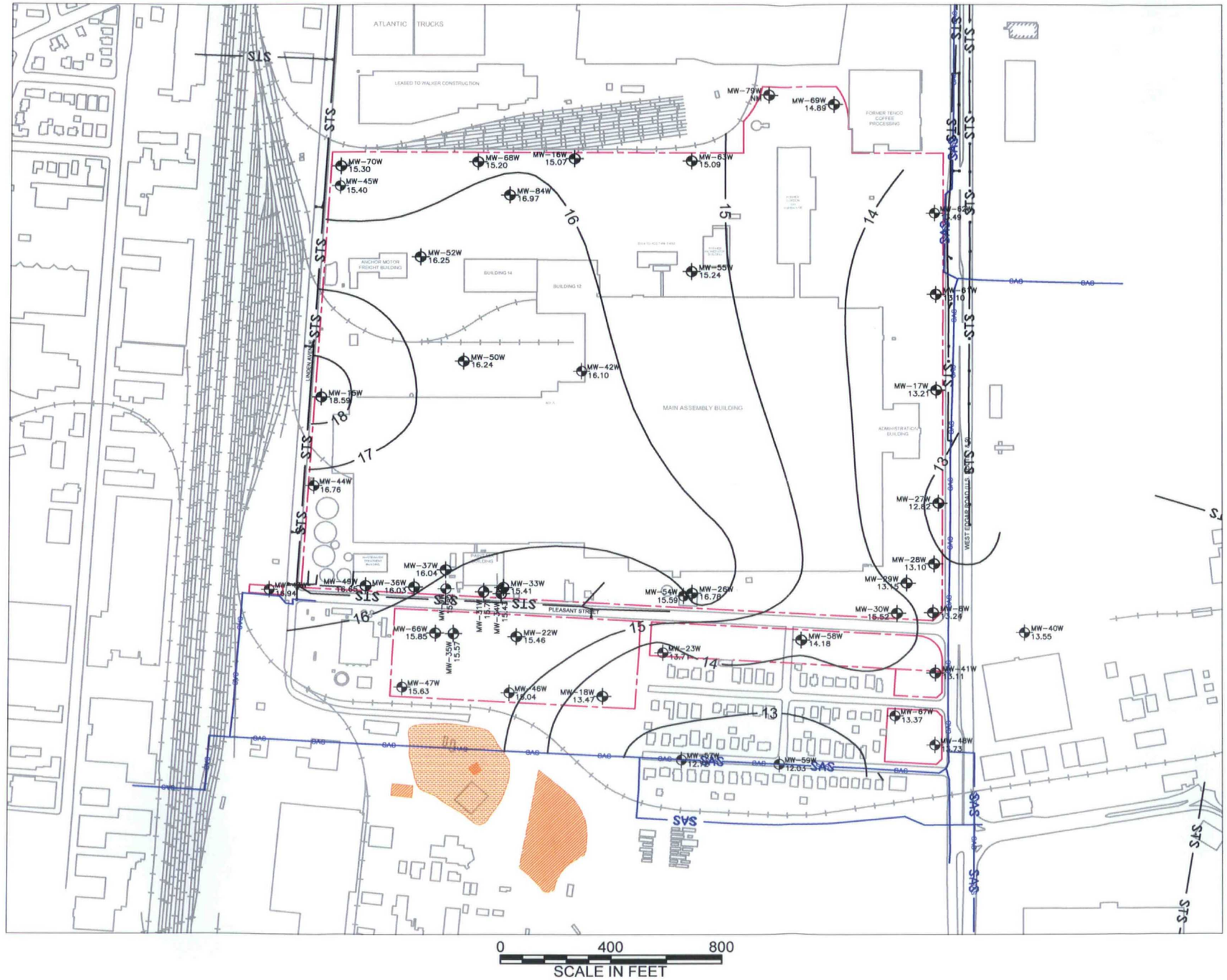
WEATHERED GROUNDWATER CONTOURS – AUGUST 2005

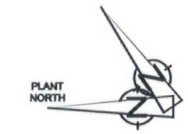
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 17H

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-AUGUST05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:

1. WATER LEVELS OBTAINED ON SEPTEMBER 12, 2005.
2. MW-30W WATER LEVEL EXCLUDED FROM GROUNDWATER CONTOURS.
3. MW-47W WATER LEVEL CORRECTED ON SEPTEMBER 20, 2005.

HALEY & ALDRICH

UNDERGROUND INFRASTRUCTURE & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

WEATHERED GROUNDWATER CONTOURS – SEPTEMBER 12, 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 17I

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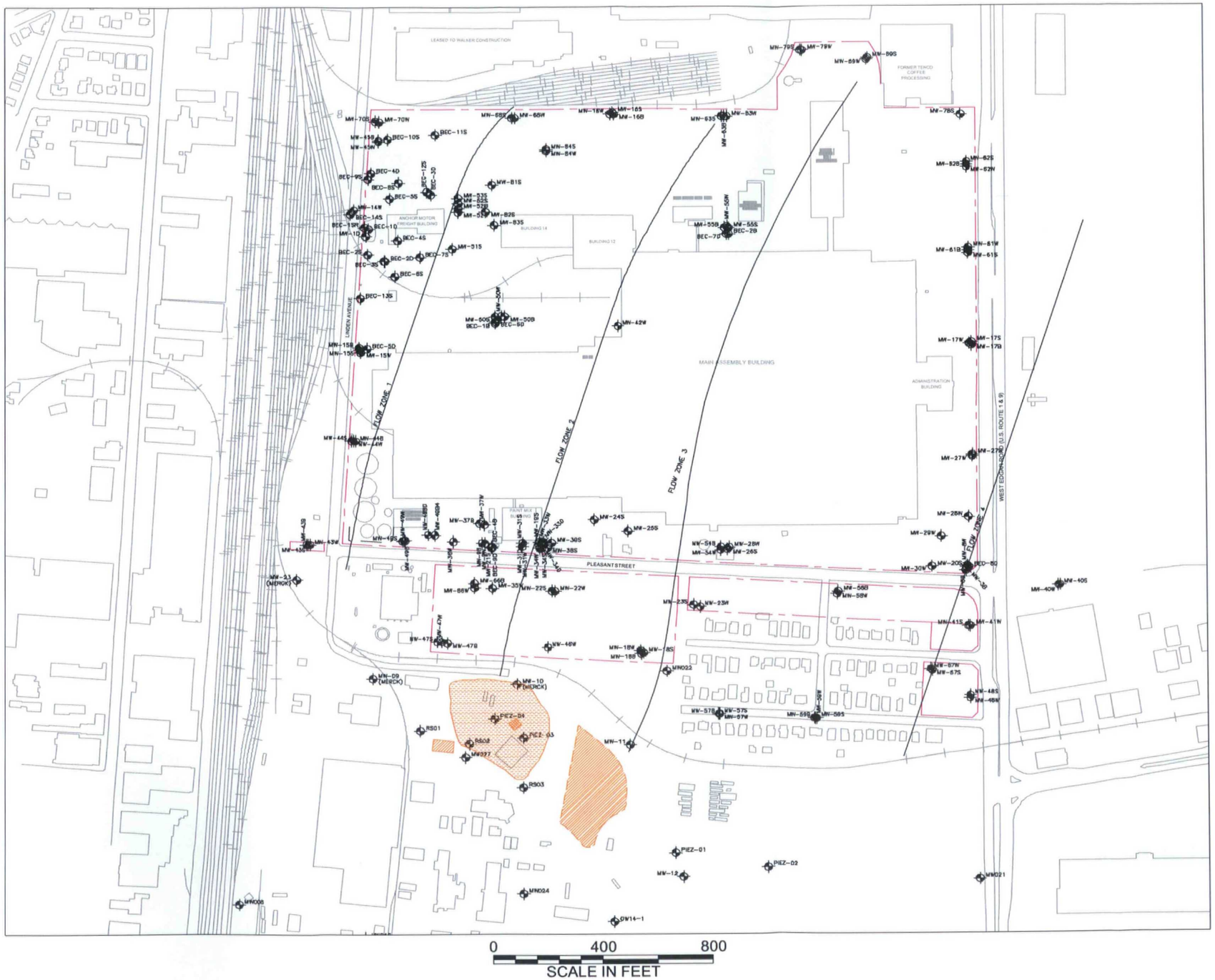
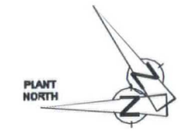




LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- MW-41S PROPOSED MONITORING WELL LOCATION
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

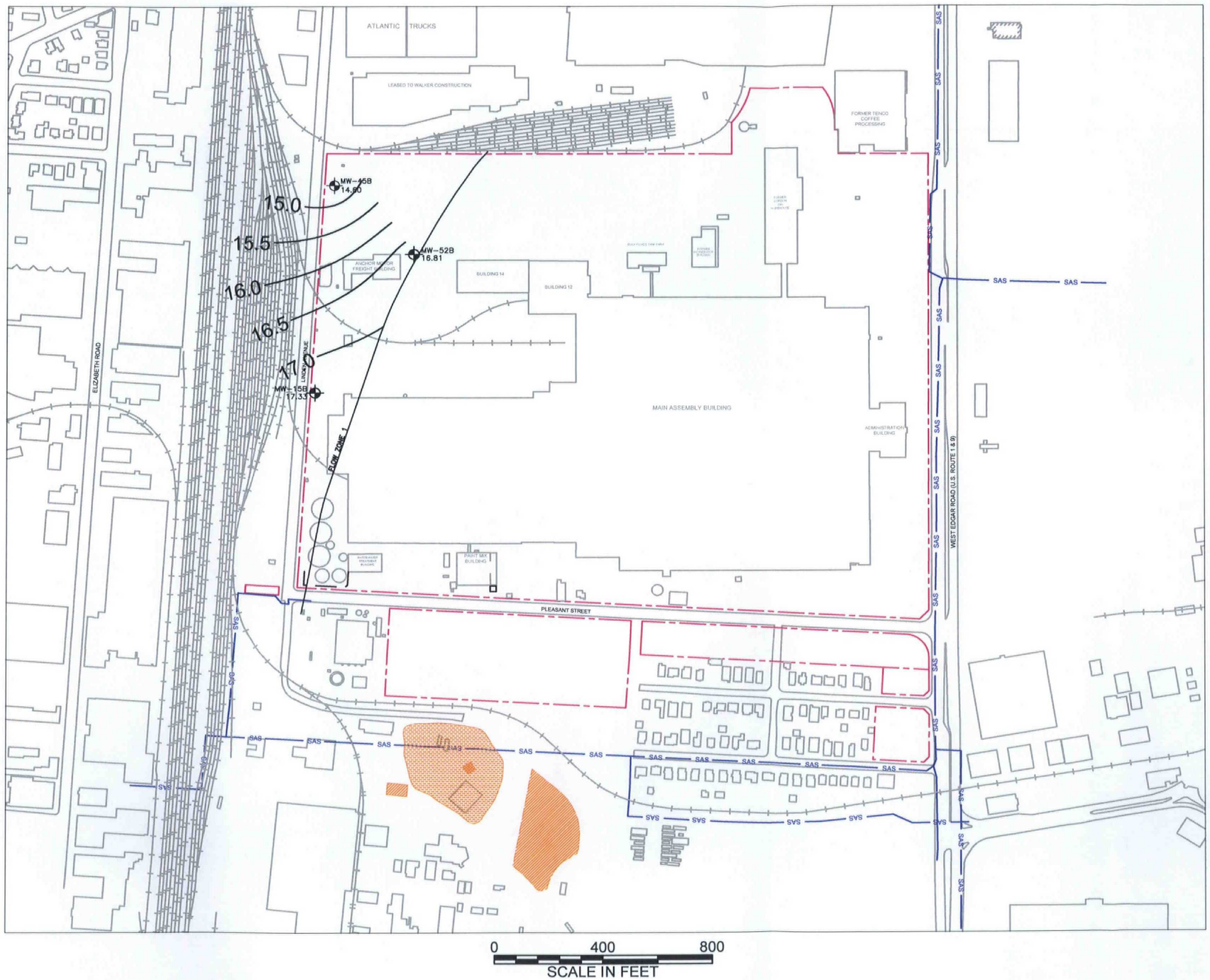
BEDROCK SUBCROP MAP

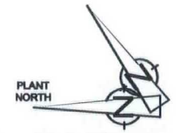
SCALE: AS SHOWN

SEPTEMBER 27, 2005

G:\28499\Stage III\CAD\28499-SUB_CROP_MAP.dwg

FIGURE 18





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MAY 9, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

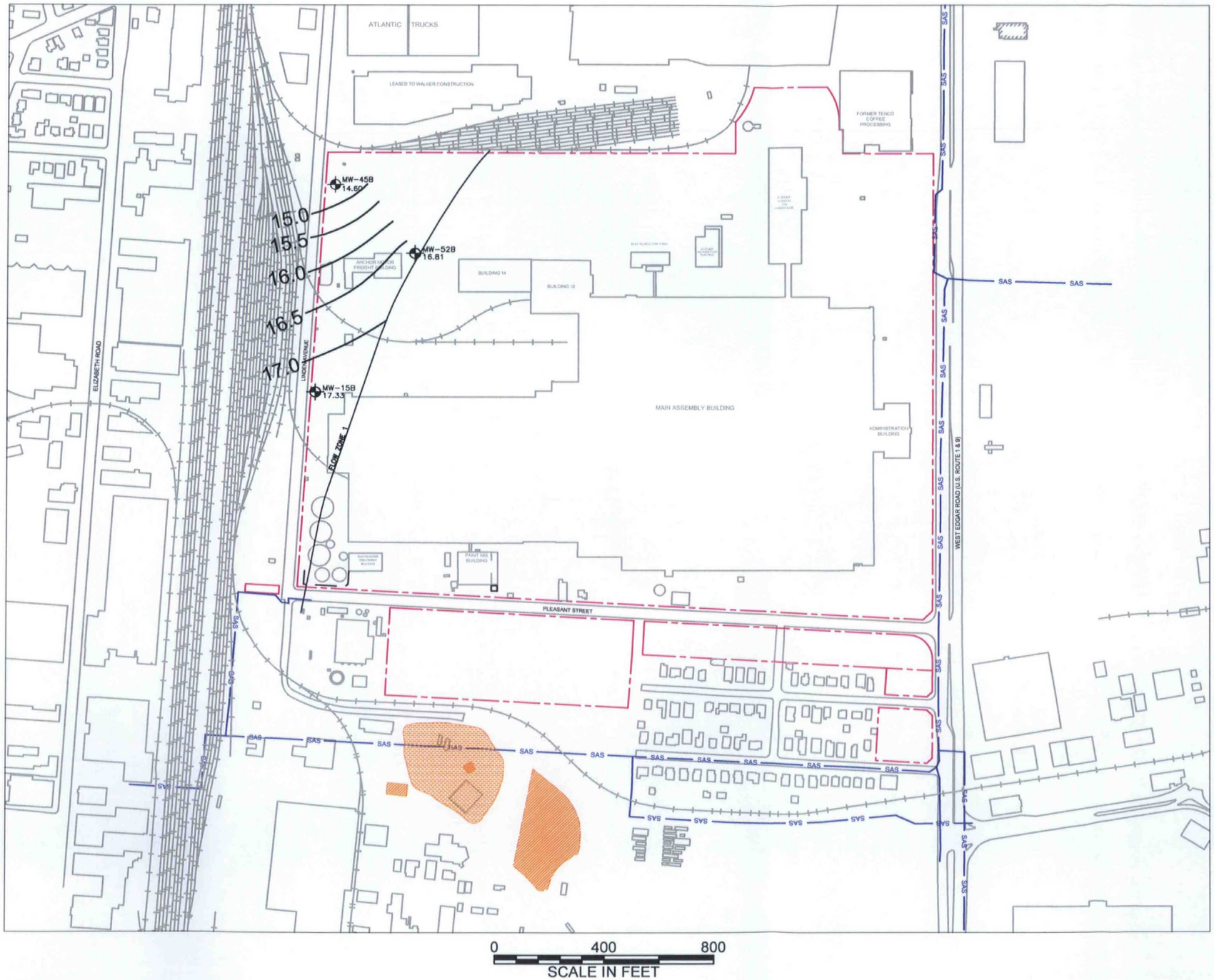
BEDROCK FLOW ZONE #1
MAY 2005

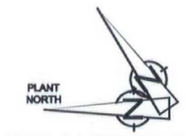
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 19A

G:\28499\308\CA750\Figures\28499-GW_CONT-MAY_2005_R3.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JUNE 20, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

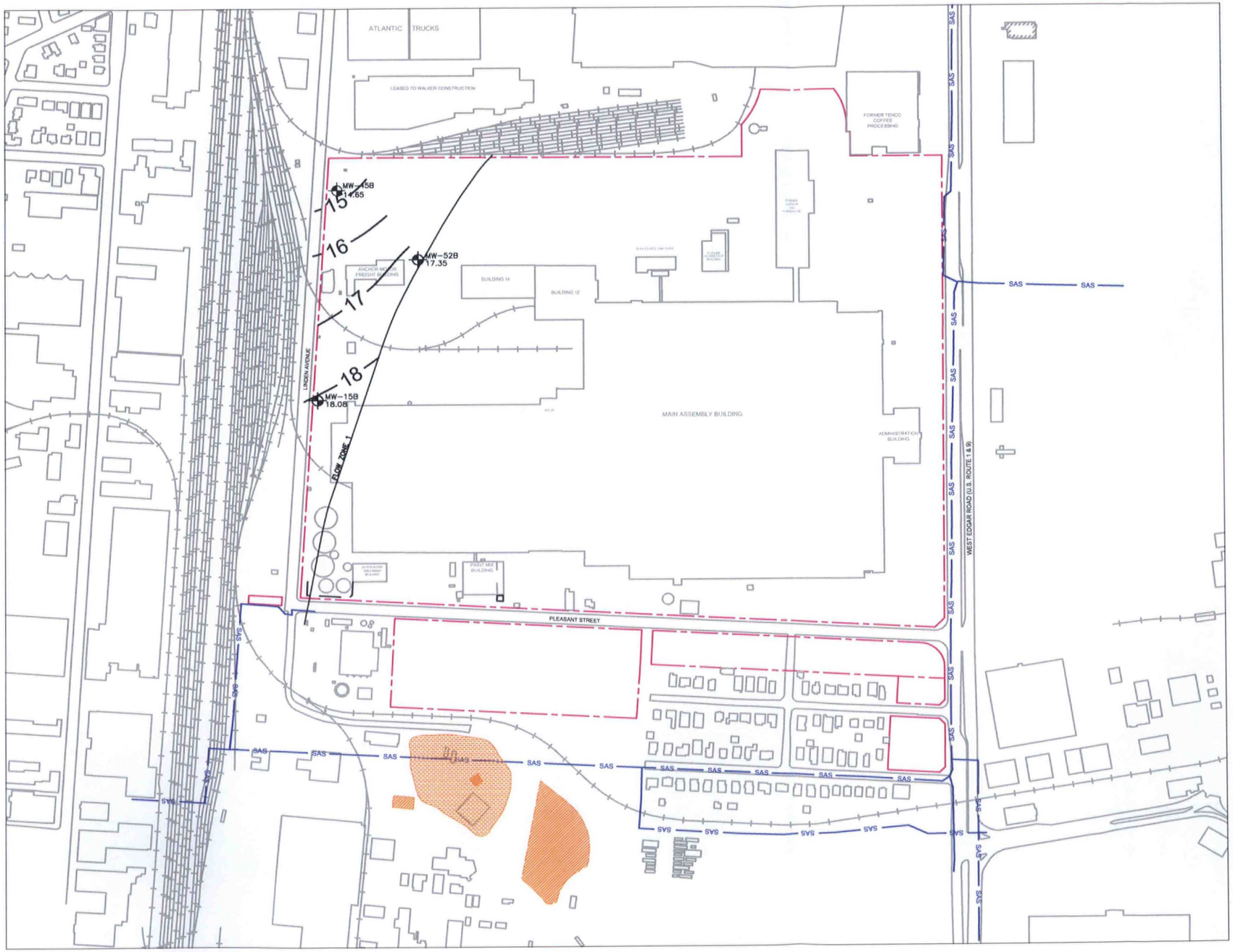
BEDROCK FLOW ZONE #1
JUNE 2005

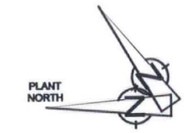
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 19B

G:\28499\308\CA750\Figures\28499-CONT_BEDROCK-JUNE_2005.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JULY 11, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

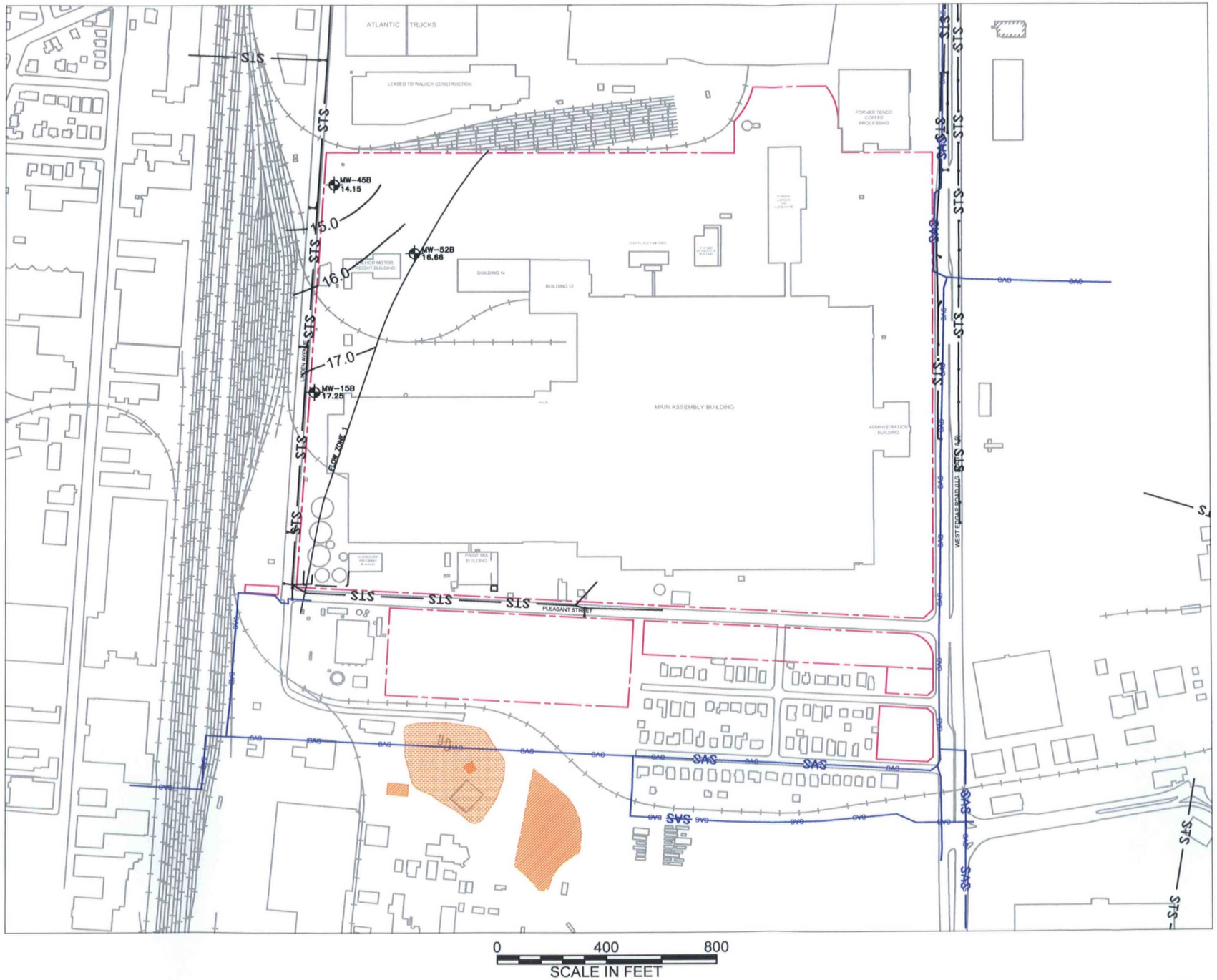
BEDROCK FLOW ZONE #1
JULY 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 19C

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-JULY05.dwg



PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON AUGUST 4, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

BEDROCK FLOW ZONE #1
AUGUST 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 19D

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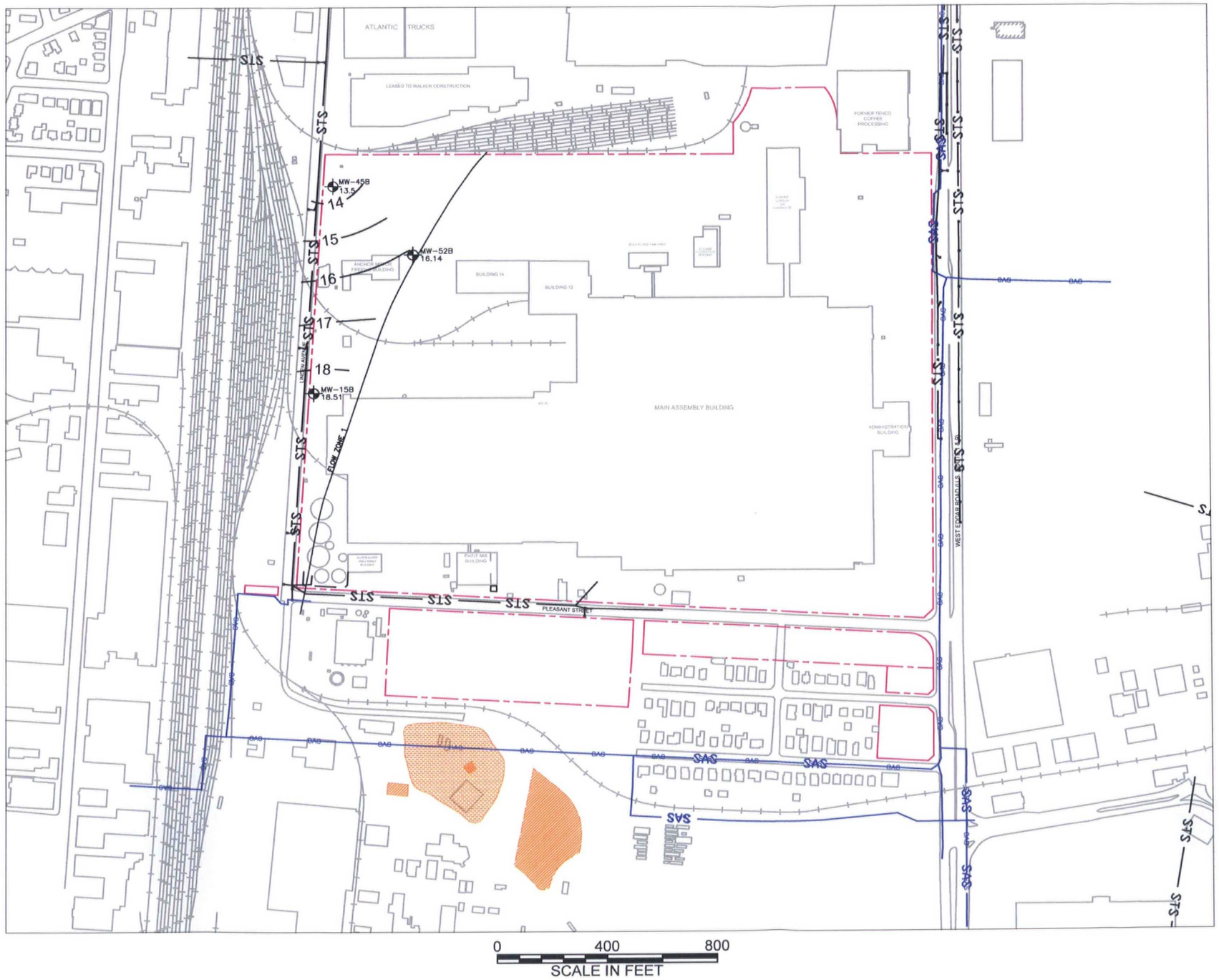
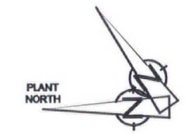




LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON SEPTEMBER 12, 2005.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

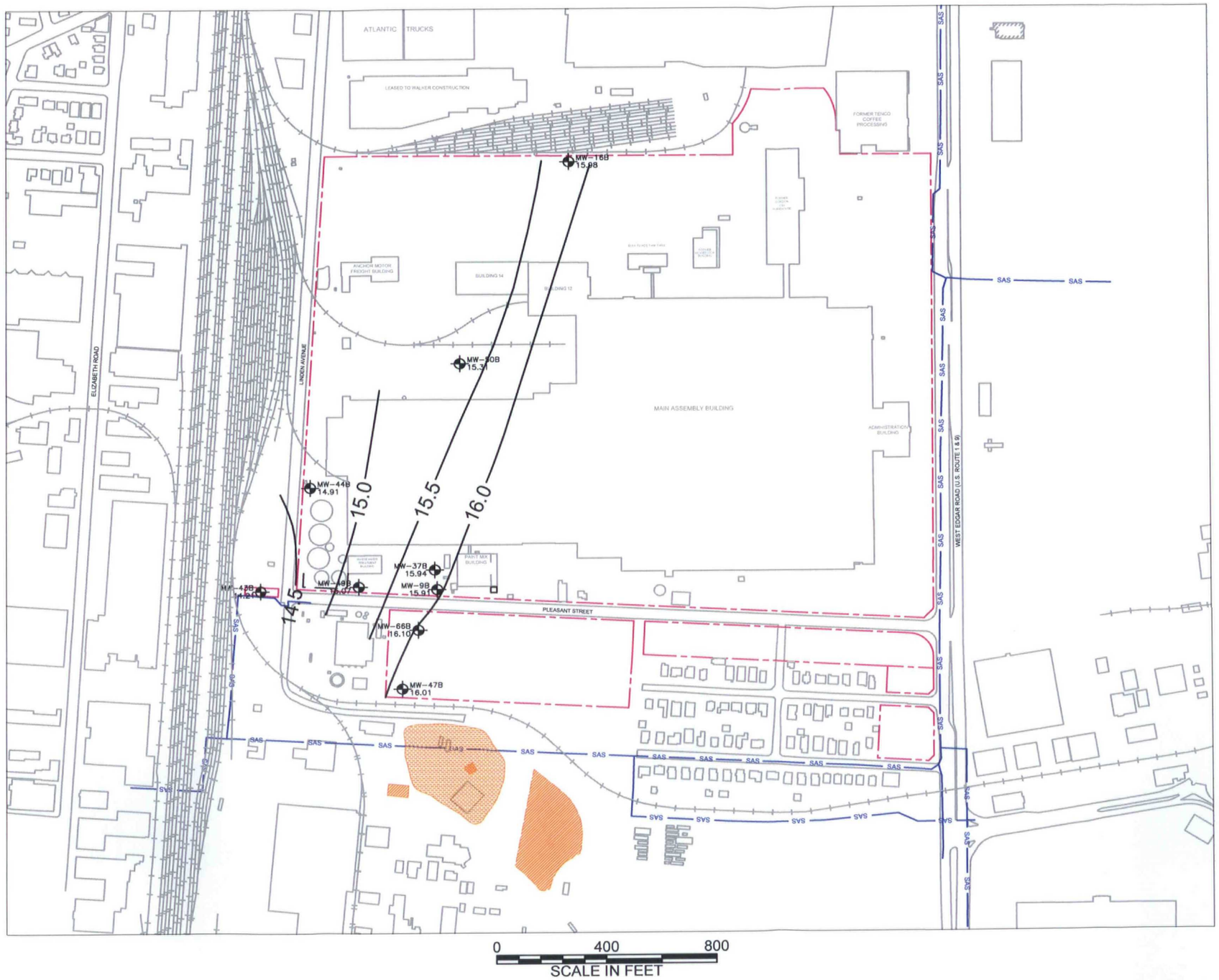
BEDROCK FLOW ZONE #1
SEPTEMBER 12, 2005

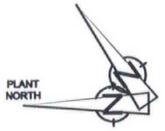
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 19E

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-SEPT05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MAY 9, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

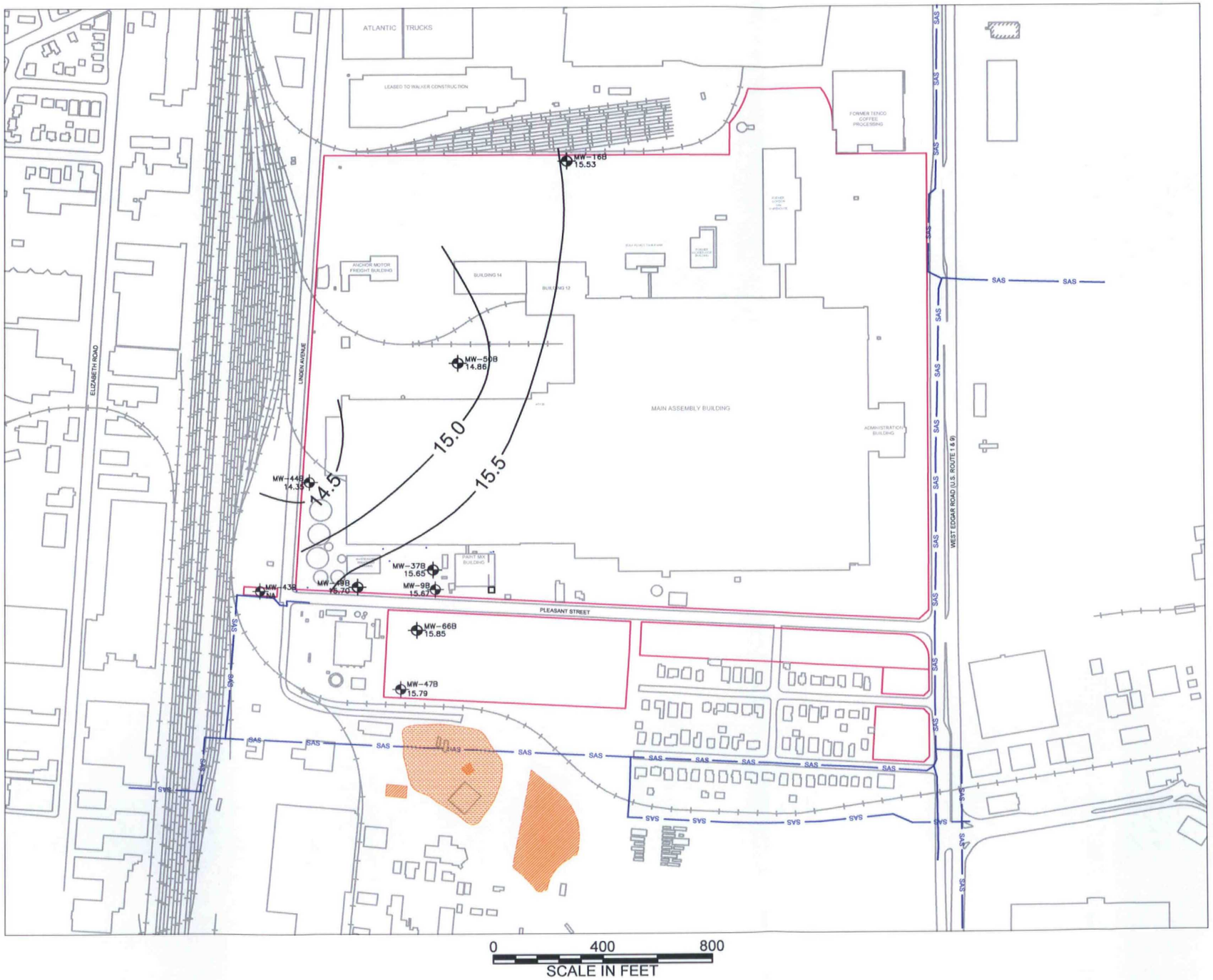
BEDROCK FLOW ZONE #2
MAY 2005

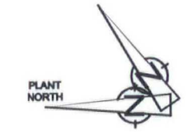
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 20A

G:\28499\308\CA750\Figures\28499-GW_CONT-MAY_2005_R3.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JUNE 20, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

BEDROCK FLOW ZONE #2
JUNE 2005

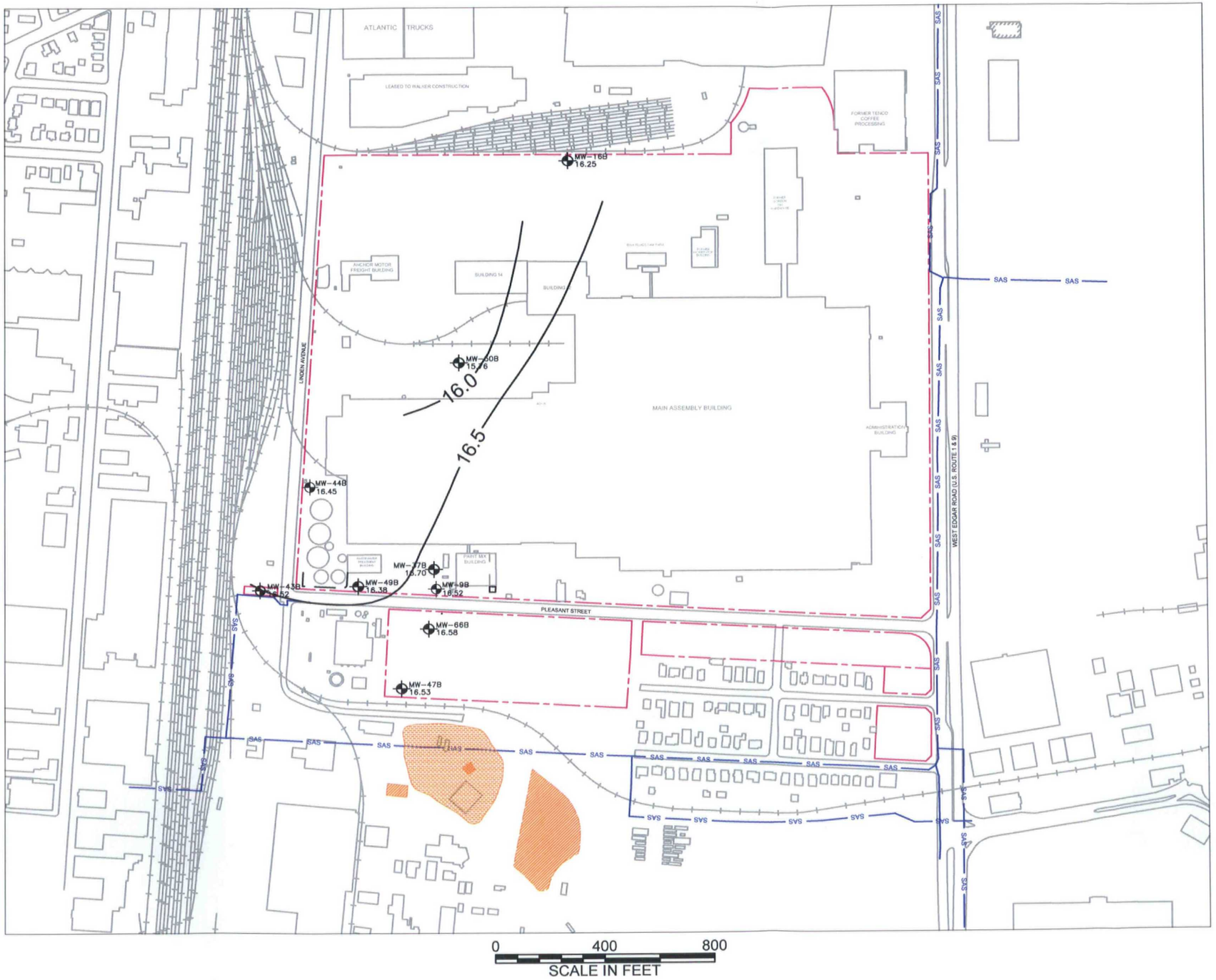
UNDERGROUND INFORMATION & ENVIRONMENTAL SOLUTIONS

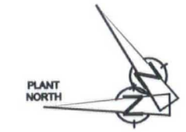
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 20B

G:\28499\308\CA750\Figures\28499-GW_CONT_JUNE-2005.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JULY 11, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

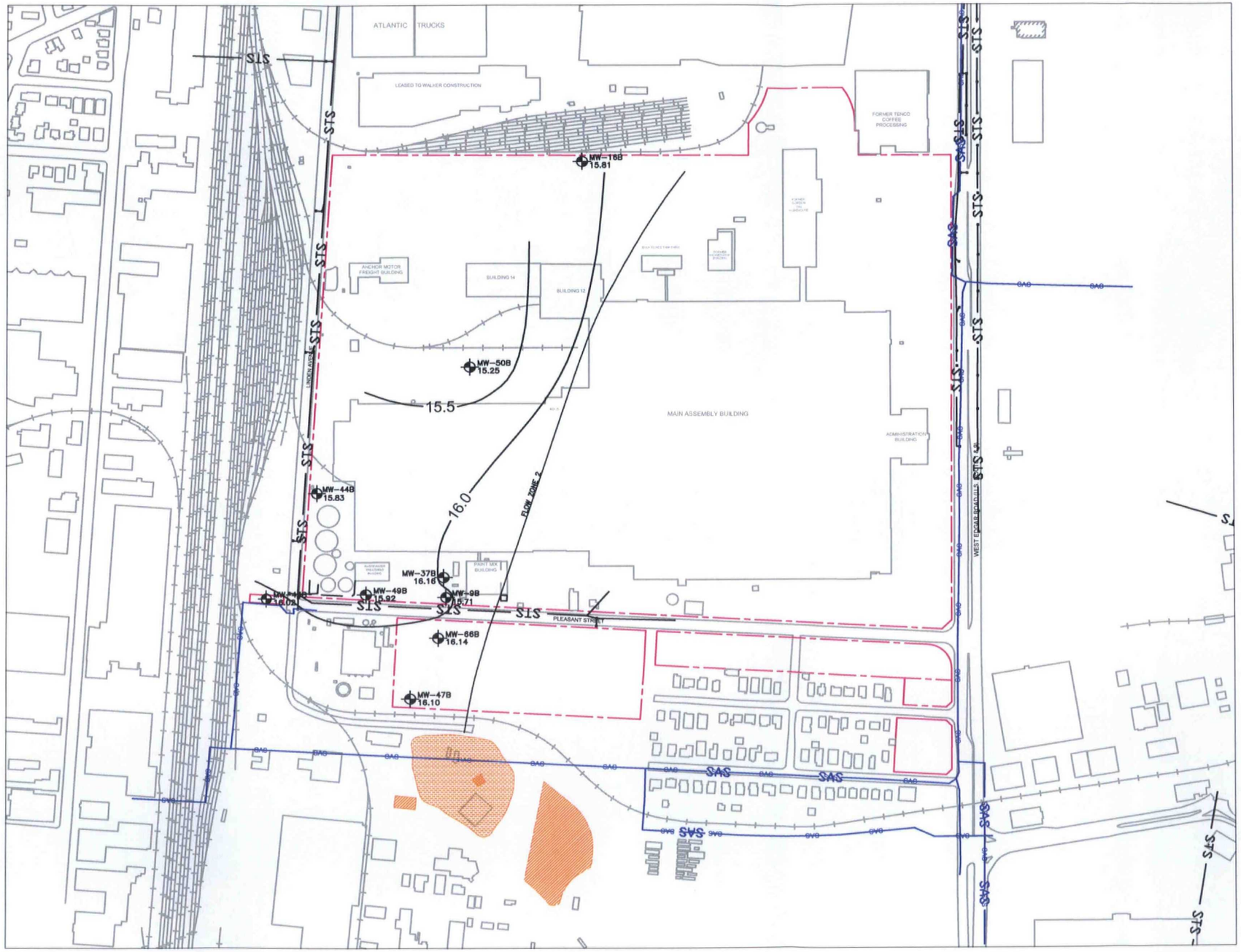
BEDROCK FLOW ZONE #2
JULY 2005

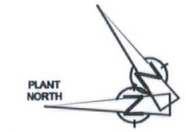
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 20C

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-JULY05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON AUGUST 4, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH
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GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

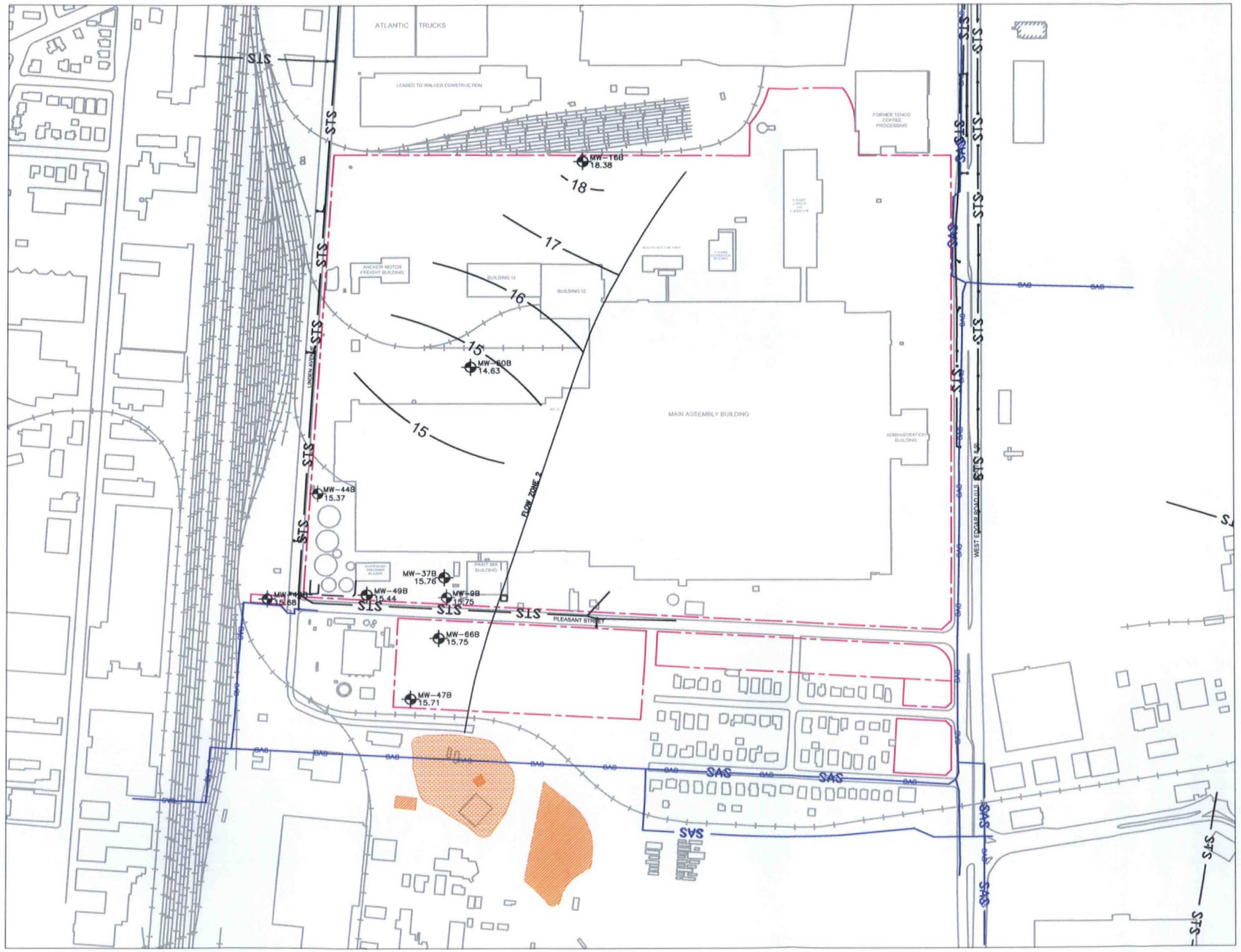
BEDROCK FLOW ZONE #2
AUGUST 2005

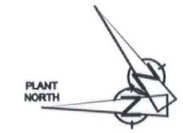
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 20D

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-AUGUST05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON SEPTEMBER 12, 2005.

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

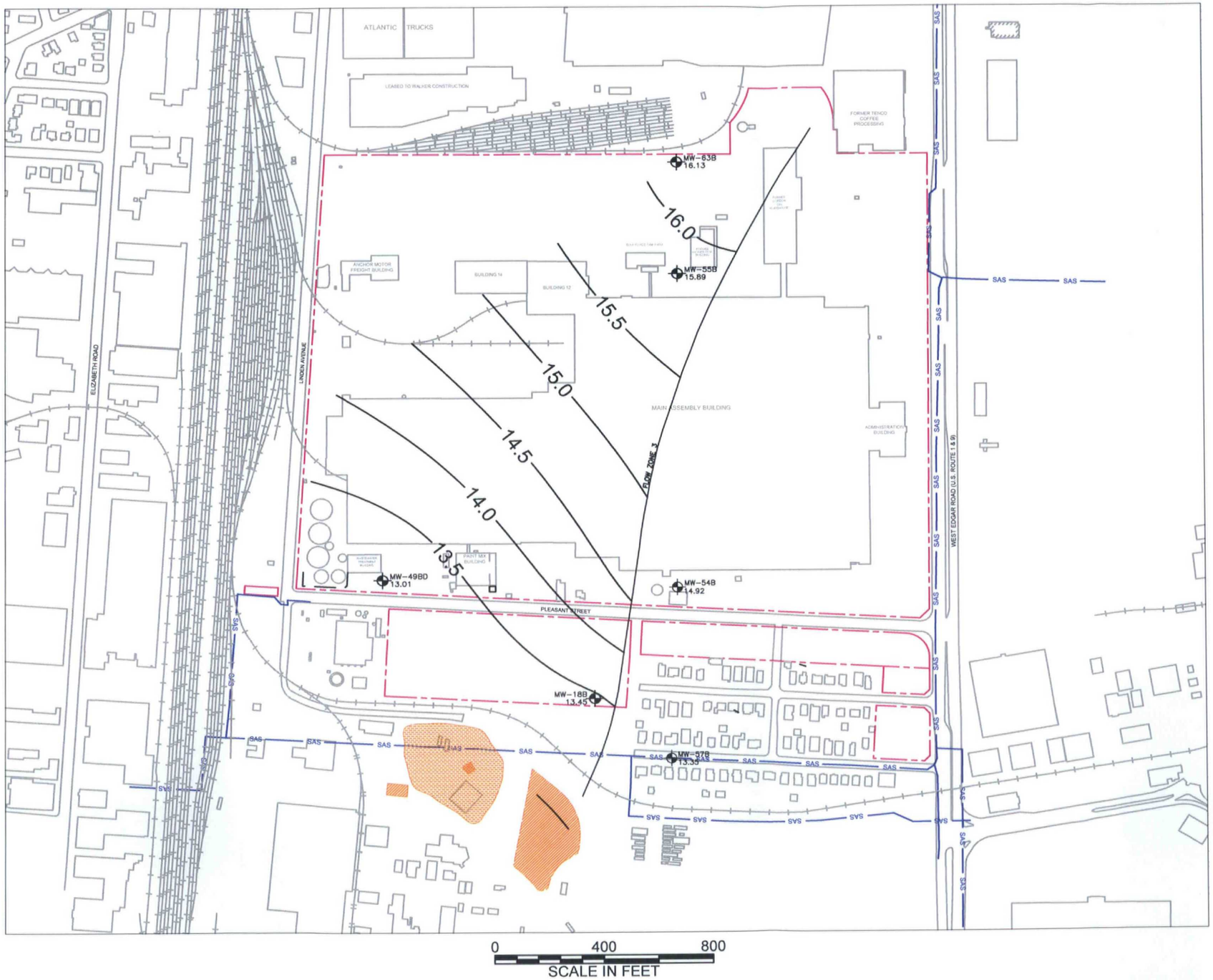
BEDROCK FLOW ZONE #2
SEPTEMBER 12, 2005

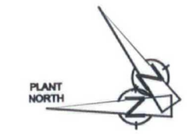
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 20E

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-SEPT05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MAY 9, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

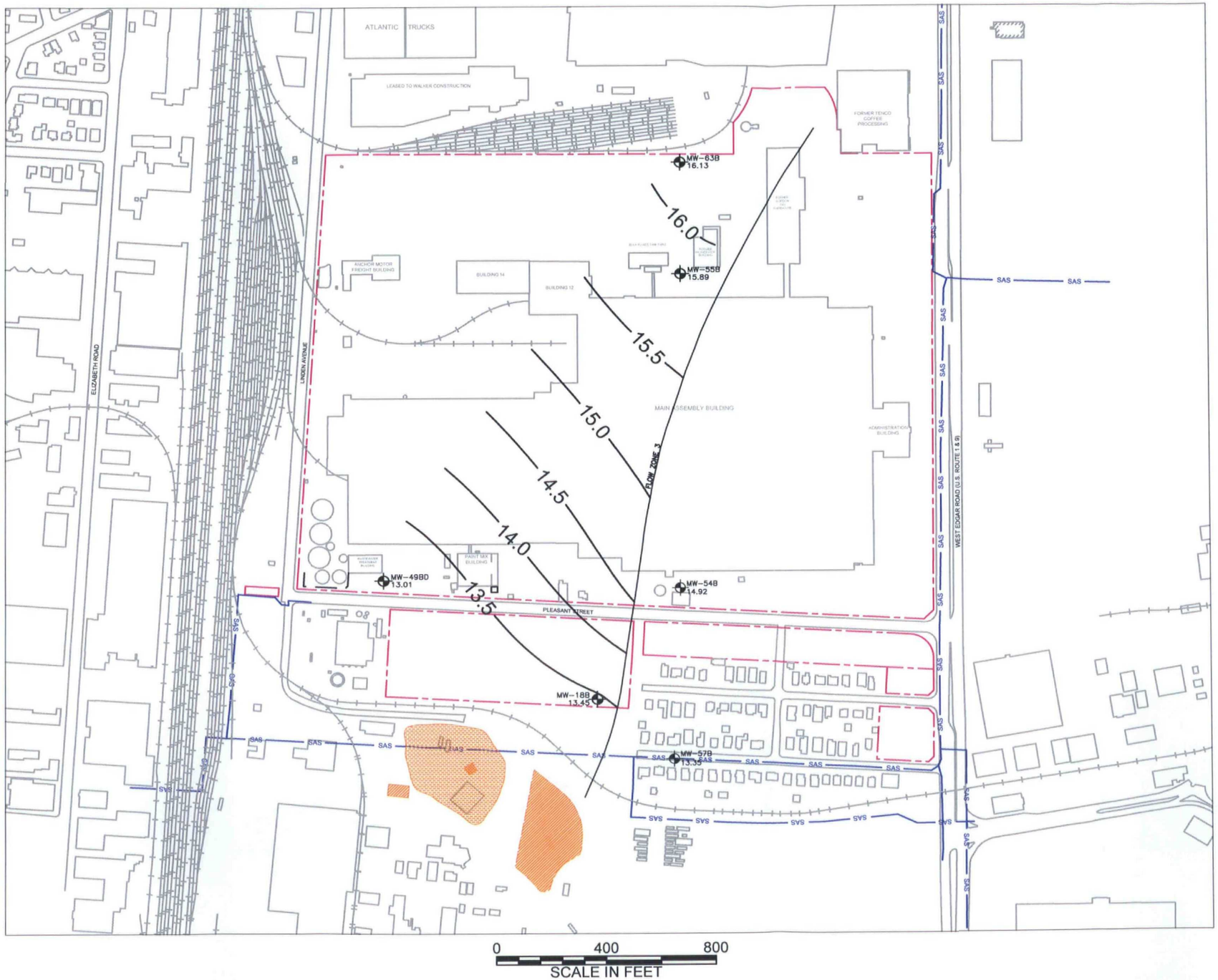
BEDROCK FLOW ZONE #3
MAY 2005

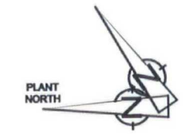
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 21A

G:\28499\308\CA750\Figures\28499-GW_CONT-MAY_2005_R3.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JUNE 20, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

UNDERGROUND INFORMATION & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

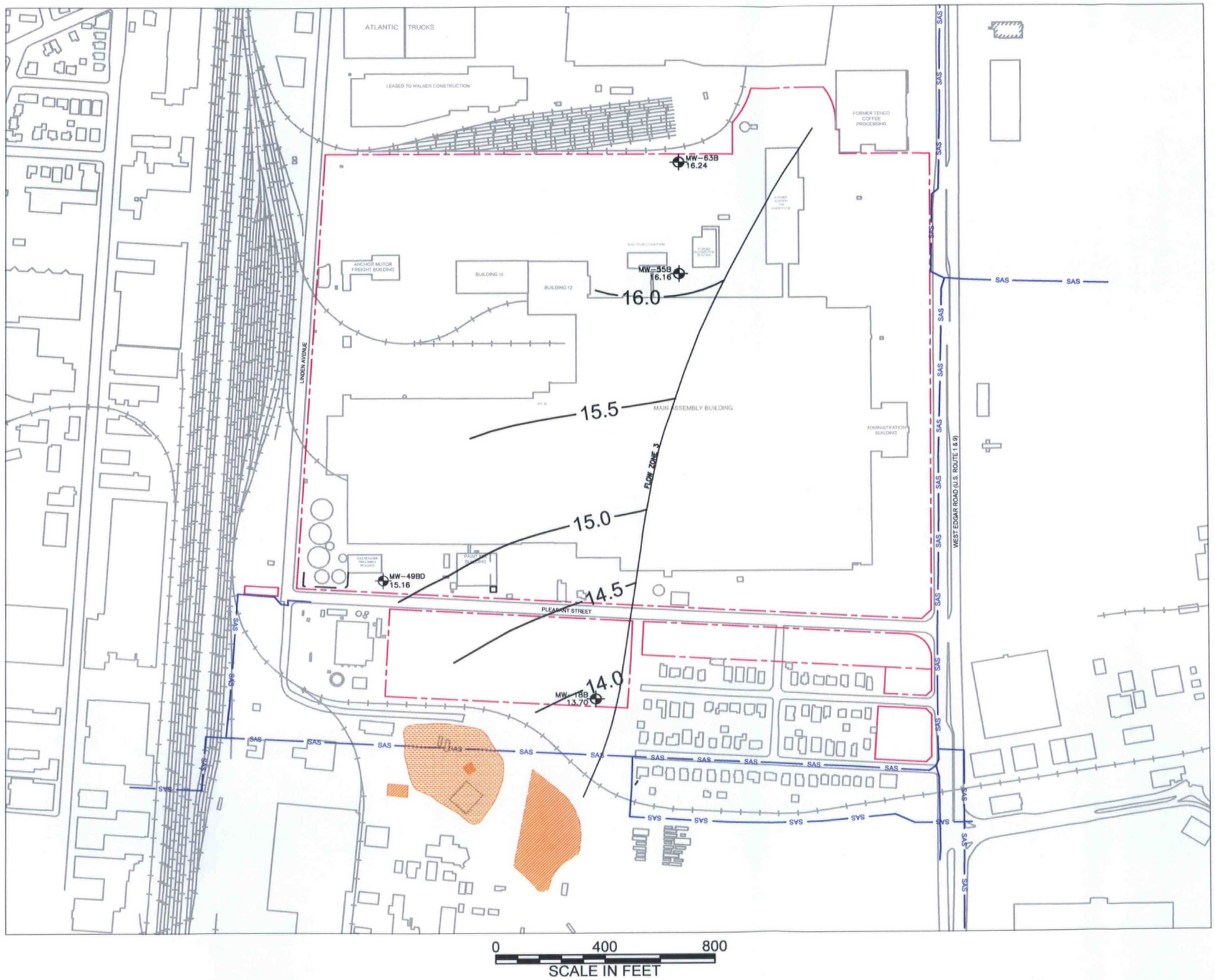
BEDROCK FLOW ZONE #3
JUNE 2005

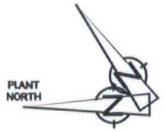
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 21B

G:\28499\308\CA750\Figures\28499-CONT_BEDROCK-JUNE_2005.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JULY 11, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

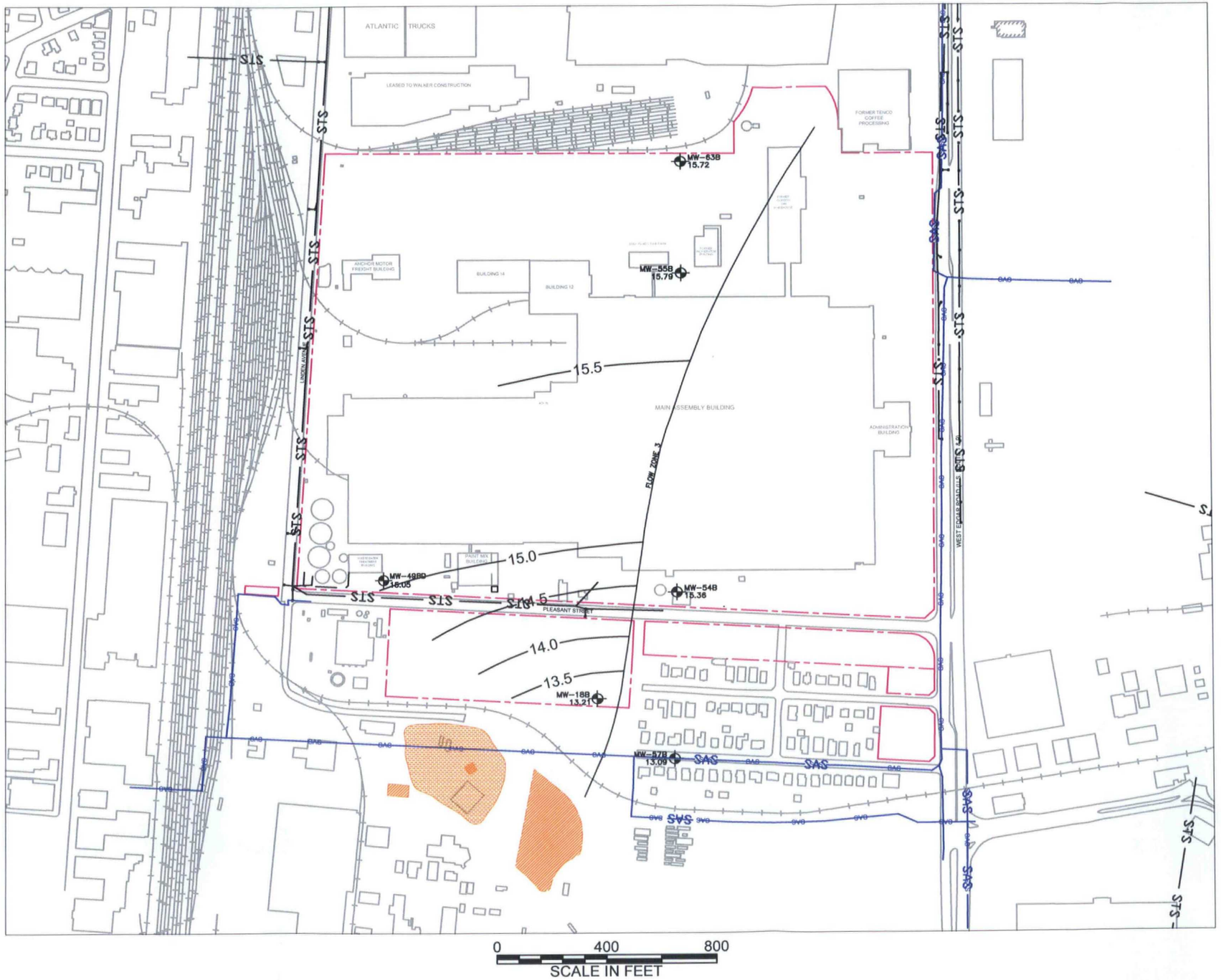
BEDROCK FLOW ZONE #3
JULY 2005

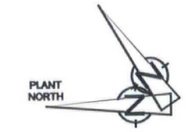
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 21C

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-JULY05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON AUGUST 4, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

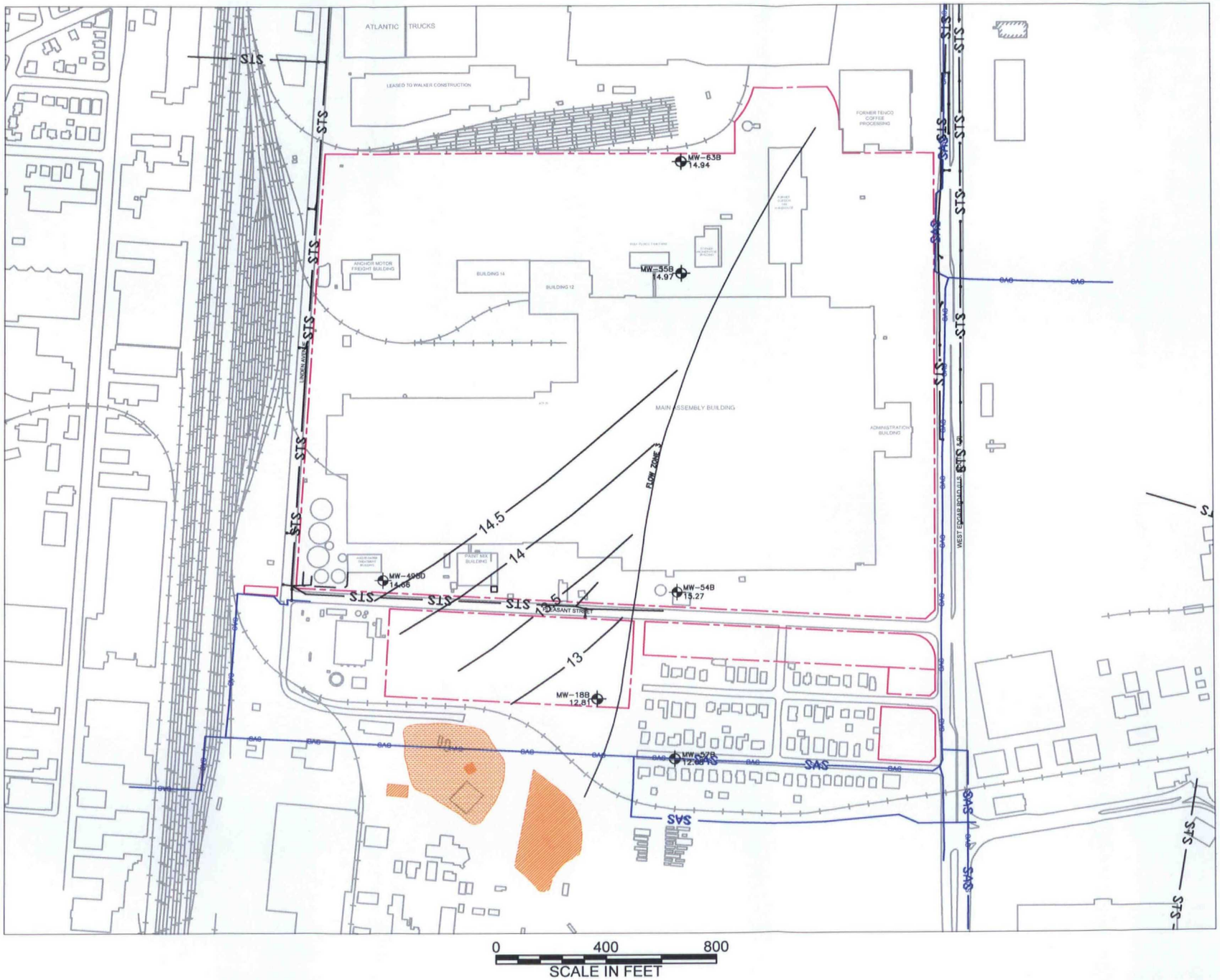
BEDROCK FLOW ZONE #3
AUGUST 2005

SCALE: AS SHOWN

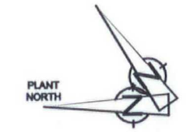
SEPTEMBER 27, 2005

FIGURE 21D

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-AUGUST05.dwg



0 400 800
SCALE IN FEET



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON SEPTEMBER 12, 2005.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

BEDROCK FLOW ZONE #3
SEPTEMBER 12, 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 21E

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-SEPT05.dwg

PLANT NORTH

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON MAY 9, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

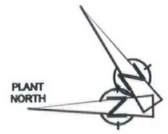
BEDROCK FLOW ZONE #4
MAY 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 22A

G:\28499\308\CA750\Figures\28499-GW_CONT-MAY_2005_R3.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JUNE 20, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

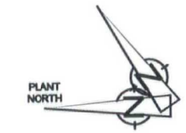
BEDROCK FLOW ZONE #4
JUNE 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 22B

G:\28499\308\CA750\Figures\28499-CONT_BEDROCK-JUNE_2005.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON JULY 11, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

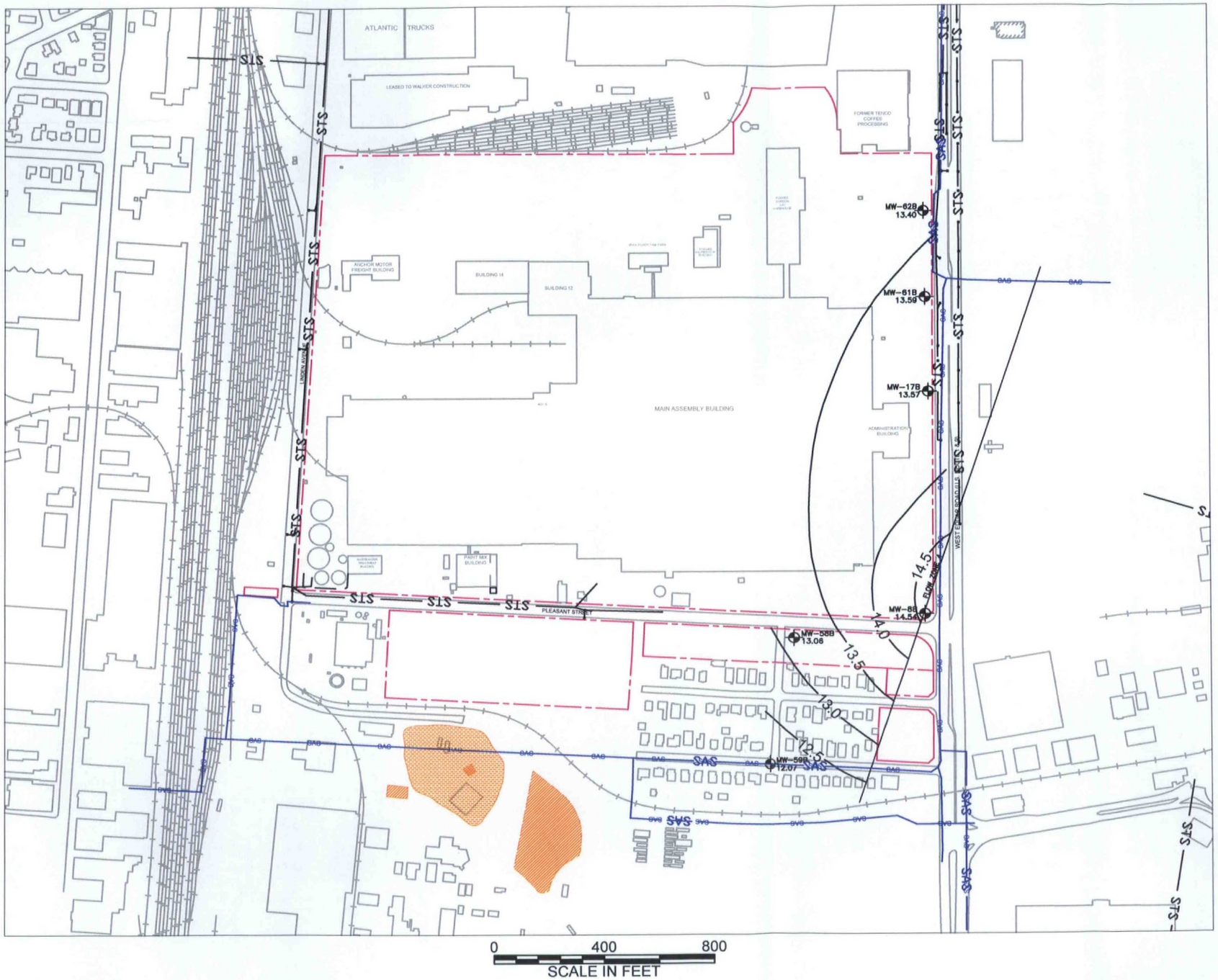
BEDROCK FLOW ZONE #4
JULY 2005

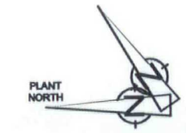
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 22C

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-JULY05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 0.5 FEET)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON AUGUST 4, 2005.
2. NM – NOT MEASURED.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

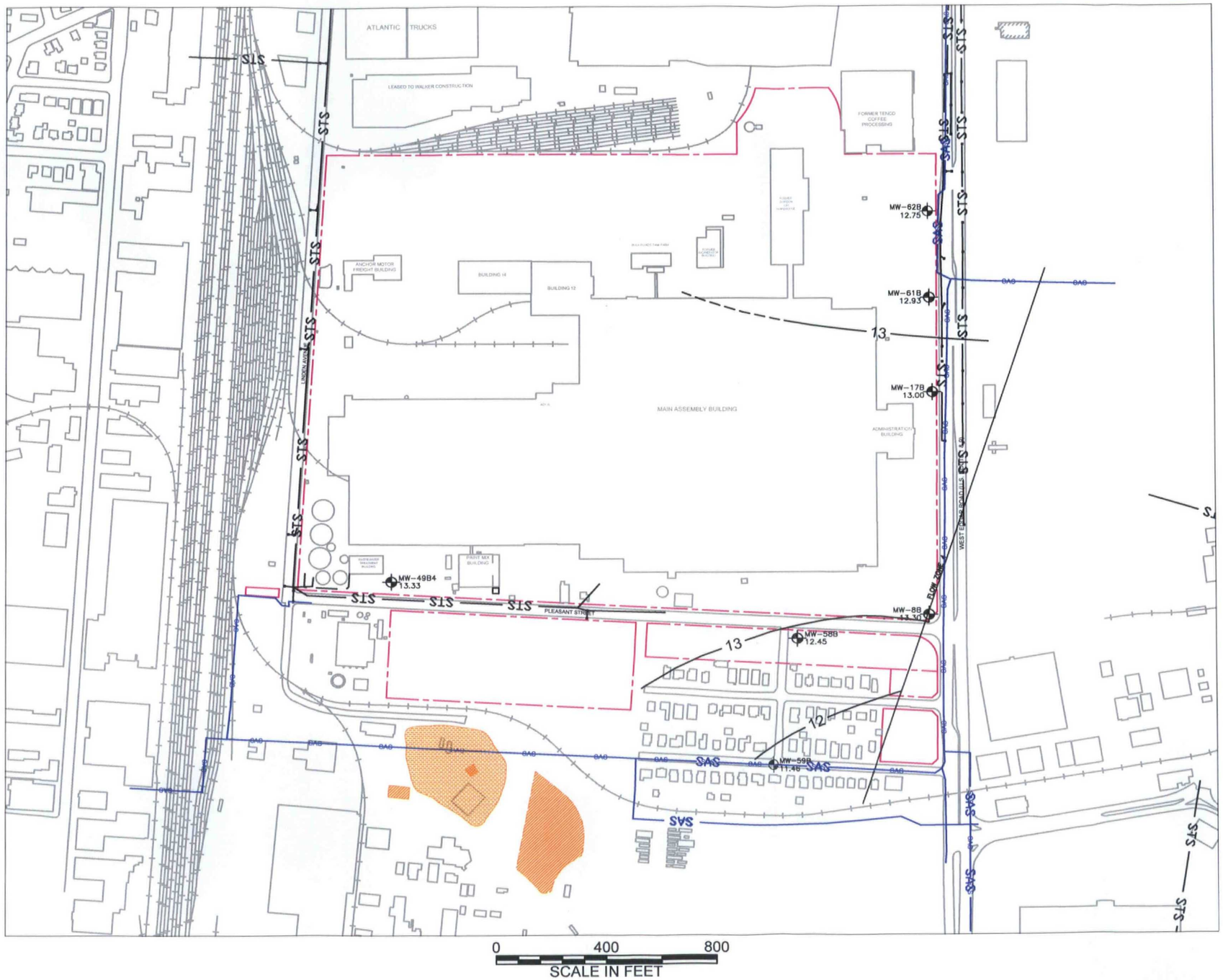
BEDROCK FLOW ZONE #4
AUGUST 2005

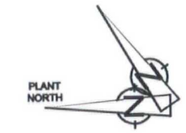
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 22D

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-AUGUST05.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 17.0 — GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL: 1.0 FOOT)
- (16.30) GROUNDWATER ELEVATION (FEET MSL)
- SAS — SANITARY SEWERS
- STS — STORM SEWERS
- MERCK SWMU 67 NORTH PLANT LANDFILL
- MERCK SWMU 27 (APPROXIMATE LOCATION) CONTAINER STORAGE
- MERCK SWMU 72 PIPE LEAK AREA

NOTES:
1. WATER LEVELS OBTAINED ON SEPTEMBER 12, 2005.

HALEY & ALDRICH

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

BEDROCK FLOW ZONE #4
SEPTEMBER 12, 2005

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE 22E

G:\28499\308\CA750\Figures\28499-GW_CONTOURS-SEPT05.dwg

APPENDIX A

Summary of Surrounding Sites

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).

TARGET PROPERTY INFORMATION

ADDRESS

LINDEN, NJ 07036
LINDEN, NJ 07036

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites

STATE ASTM STANDARD

SWRCY..... Approved Class B Recycling Facilities

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
ODI..... Open Dump Inventory
UMTRA..... Uranium Mill Tailings Sites
INDIAN RESERV..... Indian Reservations

STATE OR LOCAL ASTM SUPPLEMENTAL

NJ PF..... Publicly Funded Cleanups Site Status Report
CHROME..... Chromate Chemical Production Waste Sites

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Brownfields..... Brownfields Database

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 12/14/2004 has revealed that there are 3 CERCLIS sites within the searched area.

Site	Address	Map ID	Page
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
TEXAS EASTERN GAS PIPELINE	***RANGE ROAD (P.O. BOX 16***	***313***	***1746***
CHEVRON USA INC	***MARSHES DOCK ROAD***	***364***	***1919***

CERCLIS-NFRAP: As of February 1995. CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/14/2004 has revealed that there are 7 CERC-NFRAP sites within the searched area.

Site	Address	Map ID	Page
MALONE CHEMICAL INC	***130 MARION AVE***	***203***	***742***
UNITED STATES STEEL (USS) CHEM	***1711 W ELIZABETH AVE***	***206***	***756***
GM ASSEMBLY DIV	***1016 W EDGAR RD***	***218***	***907***
GENERAL MAGNAPLATE CORPORATION	***1331 US ROUTE 1***	***236***	***983***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
SAFETY - KLEEN CORP - LINDEN R	***1200 SYLVAN ST***	***243***	***1053***
KORELL INDUSTRIES	***36 MILEED WAY***	***431***	***2917***

EXECUTIVE SUMMARY

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/15/2004 has revealed that there are 7 CORRACTS sites within the searched area.

Site	Address	Map ID	Page
SOLAR COMPOUNDS CORP	*1201 W BLANCKE ST*	*129*	*399*
UNITED STATES STEEL (USS) CHEM	*1711 W ELIZABETH AVE*	*206*	*756*
GM ASSEMBLY DIV	*1016 W EDGAR RD*	*218*	*907*
GENERAL MAGNAPLATE CORPORATION	*1331 US ROUTE 1*	*236*	*983*
MERCK & CO INC	*126 E LINCOLN AVE*	*242*	*1013*
SAFETY - KLEEN CORP - LINDEN R	*1200 SYLVAN ST*	*243*	*1053*
CHEVRON USA INC	*MARSHES DOCK ROAD*	*364*	*1919*

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 11/23/2004 has revealed that there are 7 RCRA-TSDF sites within the searched area.

Site	Address	Map ID	Page
SOLAR COMPOUNDS CORP	*1201 W BLANCKE ST*	*129*	*399*
UNITED STATES STEEL (USS) CHEM	*1711 W ELIZABETH AVE*	*206*	*756*
GM ASSEMBLY DIV	*1016 W EDGAR RD*	*218*	*907*
GENERAL MAGNAPLATE CORPORATION	*1331 US ROUTE 1*	*236*	*983*
MERCK & CO INC	*126 E LINCOLN AVE*	*242*	*1013*
SAFETY - KLEEN CORP - LINDEN R	*1200 SYLVAN ST*	*243*	*1053*
QUADREL BROTHERS TRUCKING COMP	*1603 HART STREET*	*406*	*2180*

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste,

or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 11/23/2004 has revealed that there are 23 RCRA-LQG sites within the searched area.

Site	Address	Map ID	Page
301 COMMERCE RD INC	*301 COMMERCE RD*	*8*	*46*
SOLAR COMPOUNDS CORP	*1201 W BLANCKE ST*	*129*	*399*
HONEYWELL INT. INC.	1525 W BLANCKE ST	161	544
HONEYWELL INTERNATIONAL INCORP	*1515 WEST BLACNKE STREE*	*161*	*544*
LINDEN AIRPORT	*701 W EDGAR RD*	*185*	*653*
PARAMOUNT METAL FINISHING	*1515 WEST ELIZABETH AVE*	*186*	*657*
DOCK RESINS CORP	*1512 ELIZABETH AVE W*	*186*	*678*
UNITED STATES STEEL (USS) CHEM	*1711 W ELIZABETH AVE*	*206*	*756*
GM ASSEMBLY DIV	*1016 W EDGAR RD*	*218*	*907*
GENERAL MAGNAPLATE CORPORATION	*1331 US ROUTE 1*	*236*	*983*
MERCK & CO INC	*126 E LINCOLN AVE*	*242*	*1013*
SAFETY - KLEEN CORP - LINDEN R	*1200 SYLVAN ST*	*243*	*1053*
BUCKEYE PIPE LINE CO LP LINDEN	*2650 MARSHES DOCK RD*	*284*	*1537*
L'OREAL USA INC	*1601 LOWER RD*	*294*	*1642*
EXXON CHEMICAL CO C-O LINDEN W	*1300 LOWER RD BLDG 802*	*301*	*1677*
LINDEN WAREHOUSE & DISTRIBUTIO	*1300 LOWER RD*	*301*	*1680*
DEGUSSA CORP	*1300 LOWER RD BLDG 816*	*301*	*1688*
AKZO NOBEL CHEMICALS INC AT LI	1300 LOWER RD BLDG 6 BA	304	1690
CHEVRON USA INC	*MARSHES DOCK ROAD*	*364*	*1919*
QUADREL BROTHERS TRUCKING COMP	*1603 HART STREET*	*406*	*2180*
ONYX SPECIAL SERVICES INC	*1453 PINEWOOD ST*	*435*	*2939*
PRIDE SOLVENTS & CHEMICAL COMP	*211 RANDOLPH AVENUE*	*444*	*2960*
HIGH VOLTAGE ENGINEERING CORP	*RANDOLPH ST & HART ST*	*444*	*2973*

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/23/2004 has revealed that there are 155 RCRA-SQG sites within the searched area.

Site	Address	Map ID	Page
JOHN BERIONT FIELD HOUSE	*700 W CURTIS ST*	*6*	*8*
HOWARD PRESS	*104 PENNSYLVANIA RAILRO*	*12*	*57*
WIELAND AUTO COACH	*732 E ST GEORGES AVE*	*14*	*60*
STAY CLEANER INC	*1 S WOOD AVE*	*16*	*63*
COMMUTER CLEANERS	*1 S WOOD AVE*	*16*	*64*
NJ TRANSIT - LINDEN STATION	*101 W ELIZABETH AVE*	*18*	*72*

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
STAR AUTO BODY	102 W ELIZABETH AVE	23	92
H G L CORP	832 ST GEORGES AVE	24	92
TEES & THINGS	103 S WOOD AVE	27	96
WOODLAWN AUTO BODY	710 WOODLAWN AVE	28	96
LINDEN BD OF ED SCHOOL 6	19 EAST MORRIS AVENUE	30	98
CHANGS CLEANERS	129 NORTHWOOD AVE	35	106
VERIZON COMMUNICATIONS LINDEN	245 SOUTH WOOD AVENUE	37	113
SUNOCO SERVICE STATION	999 W ST GEORGES AVE	49	130
TEAG ELECTRIC INC	333 W ELIZABETH AVE	58	166
LINDEN-ROSELLE SEWER AUTHORITY	5005 SOUTH WOOD AVENUE	64	172
EASTERN VENDING CORP	761 N STILES AVE	73	205
TRANSCO PRODUCTS CORP	609 W ELIZABETH AVE	77	219
HATFIELD WIRE & CABLE DIV CCS	STILES ST & FULLER RD	78	224
JOYAL PRODUCTS INCORPORATED	1233 WEST ST GEORGE AVE	79	225
GENTECH INCORPORATED	531 NORTH STILES STREET	83	233
CENTRAL PRODUCTS INC - UNISOUR	531 N STILES AVE	83	235
EXXON CORPORATION	1100 US ROUTE 1	86	238
SHELL OIL CO	RTE 1 & WOOD	86	244
EXXON CO USA 38556	11 E EDGAR RD	87	250
GIBRALTAR TRANSMISSIONS	1205 W ST GEORGES AVE	88	252
LINDEN BOARD OF EDUCATION	10 DONALDSON PL - MAINT	89	253
B K TRUCKING	18 DONALDSON PL	89	253
ELF LUBRICANTS NORTH AMERICA	5 NORTH STILES STREET	98	271
ARCO SERVICE STATION	801 WEST ELIZABETH AVEN	99	287
LIFT TRUCKS INC	1025 W BLANCKE ST	110	318
ALLSTATE POWER VAC INCORPORATE	530 WEST LINDEN AVENUE	111	318
ALLSTATE POWER VAC	530 WEST LINDEN AVENUE	111	320
MID ATLANTIC TRUCK CENTER INC	525 W LINDEN AVE	111	335
EAST COAST AUTO SPECIALTIES	1006 W ELIZABETH AVE	115	343
ISCO SUBS NUCLEAR SUPPORT	1001 W ELIZABETH AVE	115	344
OXFORD RESOURCES CORP	1100 W BLANCKE ST	117	347
OXFORD RESOURCES CORP	1100 W BLANCKE ST	117	348
WESLEY WINTER & MOORE INC	1026-1048 W ELIZABETH A	122	373
WEST BLANCKE ASSOCIATES	1200 WEST BLANCKE STREE	129	387
GROSS & HECHT TRUCKING INCORPO	1200 WEST BLANCKE STREE	129	387
EAST COAST CHEMICAL DISPOSAL I	1200 WEST BLANCKE STREE	129	387
MID ATLANTIC CONTAINER CORPORA	1200 WEST BLANKE STREET	129	391
TETLEY INCORPORATED	601 WEST LINDEN AVE	130	420
HOWARD PRESS INCORPORATED	1107 W ELIZABETH AVE	131	423
LIMA PLASTICS INC.	1130 W. ELIZABETH AVE.	133	443
PARAMOUNT MFG CO	1125 W ELIZABETH AVE	133	443
TRANS NATIONAL FABRICATORS	355 DALZIEL RD	134	446
HANSOME ENERGY SYSTEM INC	365 DALZIEL RD	134	451
CALEB BRETT USA INC	333 DALZIEL RD	144	472
HOECHST CELANESE CORP	1351 W BLANCKE ST	145	474
EXXON CO USA 30557	501 W EDGAR RD	146	477
SUNOCO SERVICE STATION	FTE 1 & STILES ST	146	480
HYDRO GROUP INC	1250 W ELIZABETH AVE	154	516
ANDERSON TOOL DIE CORPORATION	1430 WEST BLANCKE STREE	158	536
RESYN CORP	1540 W BLANCKE ST	161	539
FAUST THERMOGRAPHICS SUPPLY	325 CANTOR AVENUE	161	552
HERBERT LUTZ & CO	2020 CLINTON ST	162	557
STANDARD T CHEMICAL CO	1350 W ELIZABETH AVE	163	560
CHALLENGER ELECTRICAL EQUIPMEN	1301 WEST ELIZABETH AVE	163	568
SIMONE BROTHERS FUEL OIL COMPA	1405 HARDING AVENUE	170	580
A I MANUFACTURING CORPORATION	1400 WEST ELIZABETH AVE	171	583

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
UNIVERSAL JOINT SERVICE INC	2001 S WOOD AVE	175	594
CODI SEMICONDUCTER INCORPORATE	350 HURST STREET	177	596
CRASH COLLISION REPAIRS	1430 S STILES ST	183	631
HOME DEPOT 934	701 W EDGAR RD	185	653
BRODIE SYSTEM INC	1539 W ELIZABETH AVE	186	654
EMERY INDUSTRIES INCORPORATED	1501 WEST ELIZABETH AVE	186	699
TETLEY INCORPORATED	720 WEST EDGAR ROAD	187	700
CAMIN CARGO CONTROL INC	230 MARION AVE	189	715
CAMBRIDGE CHEMICAL CLEANING IN	11 W 21ST ST	191	719
BASIC FORMULATIONS	1600 W ELIZABETH AVE	200	734
MATHER SPRING CO SITE	2300-2350 S WOOD AVE	202	740
MALONE CHEMICAL INC	130 MARION AVE	203	742
INDUSTRIAL MACHINE & ENGR CO I	1807 W ELIZABETH AVE	206	744
SERVICE STATION	1710 WEST ELIZABETH AVE	206	766
HELICOPTER SERVICES INC	HANGAR 3 LINDEN AIRPORT	211	797
MAXIMUS CLEANER	2325 ELIZABETH AVENUE	220	929
AMERICAN LEATHER MFG CO	2195 ELIZABETH AVE	232	971
MARGON CORPORATION	2195 ELIZABETH AVE	232	972
UNIQUE PRECISION CO	2095 ELIZABETH AVE	239	991
LINDN MUNICIPAL AIRPORT	RTE 1 N	241	998
BOLL PARTNERSHIP	1200 SYLVAN ST BLOCK 58	243	1048
INSPECTORATE AMERICA CORP	1180 SYLVAN ST	243	1188
UNION COUNTY OF	126 E LINCOLN PARKING L	245	1196
GENES AUTO BODY	2011 ELIZABETH AVE	248	1432
RHEEM MFG CO - ECRA CLEAN UP	1701 W EDGAR RD R & D L	252	1438
TEXAS EASTERN LINDEN GARAGE	LOWER RD & PARKWAY AVE	253	1449
CULVER GLASSWARE CO INC	1905 ELIZABETH AVE	257	1457
SIEMENS ENERGY & AUTOMATION SE	1600 E HWY 1	263	1464
YOUR CLEANERS INC	1721 IRVING ST	265	1470
RHODES PLASTICS	1075 EDWARD ST	268	1479
LINDEN CITY OF DPW	700 LOWER ROAD	269	1486
DASON STAINLESS PRODUCTS CO	1773 ELIZABETH AVE	270	1489
ELIZABETHTOWN GAS CO	219-245 CENTRAL AVE	277	1506
SILVER BTK ART INCORPORATED	205 WEST MAIN STREET	280	1512
BUCKEYE PIPE LINE COMPANY	1001 LOWER ROAD	291	1603
SUN PIPE LINE - HARBOR PIPELIN	1101 LOWER RD	295	1648
SQUIRE CORRUGATED CONTAINER CO	1500 LOWER RD	296	1663
AUTOMATED MODULAR SYSTEMS INC	1520 LOWER RD	298	1669
MITSUBISHI GAS CHEMICAL CO INC	1300 LOWER RD - SITE 2	301	1677
O C G MICROELECTRONIC	1300 LOWER ROAD	301	1677
HEUCOTECH LTD	1300 LOWER RD BLDG 806	301	1678
OLIN CORP	1300 LOWER RD	301	1680
UNION CARBIDE	1300 LOWER ROAD	301	1680
LINDEN WAREHOUSE & DISTRIBUTIO	1300 LOWER ROAD	301	1682
R T VANDERBILT CO AT LINDEN WH	1300 LOWER RD BLDG 816	301	1688
JOHNNYS & SONS AUTO BODY	1677 BRIDGE ST	302	1689
FORMERLY BESELER	1600 LOWER RD	305	1690
ALL CHEMICAL TRANSPORT CORP	1544 IRVING ST	308	1694
BERENDSEN FLUID POWER	670 E LINCOLN AVE	311	1703
HUFFMAN KOOS	1800 LOWER RD - SITE 2	313	1712
HUFFMAN KOOS	1800 LOWER RD - SITE 2	313	1713
TEXAS EASTERN PIPELINE COMPRES	LOWER RD & RANGE RD	313	1740
TURTLE & HUGHES INC	1900 LOWER RD	320	1793
ELECTRO CATHETER CORP	2100 FELVER CT	326	1821
KATHY CLEANERS	499 EAST GRAND AVENUE	328	1825
CLEVELAND TECHNICAL CENTER	2650 MARSHES DOCK RD	339	1845

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
WELDON ASPHALT CO	*2000-2651 MARSHES DOCK*	*339*	*1845*
EXXON CO USA 39831	*1950 RT 1/9*	*341*	*1848*
GETTY SERVICE STATION 001903-4	*1809 RTE 1 & 9*	*345*	*1859*
MOBIL OIL CORP SS C9B	*1948 RTE 1*	*351*	*1872*
RAHWAY CITY OF FORMER GASOLINE	*80 E MILTON AVE*	*355*	*1891*
FULTON CLEANERS	*45 E MILTON AVE*	*355*	*1894*
RAHWAY BOARD OF EDUCATION	486 E MILTON AVE	367	1927
HUNTER AUTO COLLISION	*409 JOHNSON ST*	*376*	*1970*
BELL HYUNDAI	*1453 LAWRENCE ST*	*383*	*1982*
SECOND PRESBYTERIAN CHURCH	*1221 NEW BRUNSWICK AVE*	*385*	*1988*
MID INVESTMENT CO	*1550 RTE 1*	*386*	*1989*
UNION COUNTY OF PARKS & RECREA	*ST GEORGES AVE RAHWAY R*	*390*	*2000*
UNION COUNTY UTILITIES AUTH	*1499 RTE 1*	*390*	*2001*
UNION COUNTY RESOURCE RECOVERY	*LAWRENCE ST & RTE 1*	*393*	*2022*
RAHWAY INDUSTRIAL ASSOCIATES	*1572-76 HART ST*	*406*	*2150*
EXIDE RAHWAY SERVICE CENTER	*1600 HART ST*	*406*	*2157*
SCHNEIDER NATIONAL BULK CARRIE	1603 HART ST	406	2180
RAHWAY VALLEY SEWERAGE AUTHORI	*FOOT OF E HAZELWOOD AVE*	*406*	*2467*
LAMINAIRE CORPORATION	*960 EAST HAZELWOOD AVE*	*408*	*2861*
BRAKE SHOP THE	*373 E HAZLEWOOD AVE*	*409*	*2863*
ALLSTATE POWER VAC INC	*928 E HAZELWOOD AVE*	*413*	*2874*
NATIONAL AIR & HYDRAULIC CO IN	*1385 WITHERSPOON ST*	*426*	*2908*
OAK TREE CLEANERS INC	*1475 PINEWOOD ST*	*429*	*2914*
KORELL INDUSTRIES	*36 MILEED WAY*	*431*	*2917*
KAPPA NETWORKS INC	*1443 PINEWOOD ST*	*435*	*2938*
WALL TRENDS INC	*17 MILEED WAY*	*438*	*2948*
BRITE SOL CLEANING	*57 RANDOLPH RD*	*444*	*2967*
VALMET MHE INC	*2520 RANDOLPH AVE*	*445*	*2975*
EXXON CO USA 32583	*2540 RANDOLPH AVE*	*445*	*2979*
AVIONICS INSTRUMENTS INC	*1414 RANDOLPH AVE*	*448*	*3015*
GLASCO INC.	*1161 WOODBRIDGE RD*	*452*	*3021*
ORANGE PLASTICS CO	*1140 RANDOLPH AVE*	*460*	*3034*
ROQUE FERNANDO - JOHNSON SMITH	*880 ELSTON ST*	*462*	*3038*
GIRARD EQUIPMENT INCORPORATED	*1004 ROUTE 1*	*464*	*3059*
BABINEC SHEET METAL	*774 MARTIN ST*	*469*	*3071*
ELECTRUM RECOVERY WORKS INCORP	*827 MARTIN STREET*	*469*	*3077*
SUMMIT FINISHING INC	*767 LEESVILLE AVE*	*469*	*3079*

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2003 has revealed that there are 127 ERNS sites within the searched area.

Site	Address	Map ID	Page
301 COMMERCE ROAD	301 COMMERCE ROAD	8	45
CORNER OF MUNSEL AND WOOD AVE	CORNER OF MUNSEL AND WO	41	120
RT ONE AND WOODLAWN AV	RT ONE AND WOODLAWN AV	43	121
ON US RT 1 & WOODLAWN AVE IN T	ON US RT 1 & WOODLAWN A	43	122
628 N STILES ST	628 N STILES ST	78	224
1026 TO 1048 WEST ELIZABETH AV	1026 TO 1048 WEST ELIZA	85	238
1227 W. ST. GEORGE AVENUE	1227 W. ST. GEORGE AVEN	93	258
5 NORTH STILES ST.	5 NORTH STILES ST.	98	271

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
5 N. STILES ST.	5 N. STILES ST.	98	271
PARKING LOT AT 11TH ST AND SOU	PARKING LOT AT 11TH ST	102	297
926 ROSS STREET	926 ROSS STREET	106	309
530 W. LINDEN AVE. WRENCH TRAN	530 W. LINDEN AVE. WREN	108	313
330 S STILES ST	330 S STILES ST	121	365
1201 WEST BLANCKE ST	1201 WEST BLANCKE ST	129	391
MOPSICK AVE & 12TH STREET	MOPSICK AVE & 12TH STRE	147	481
1502 WINANS AVE	1502 WINANS AVE	153	492
1502 WINANS AVE	1502 WINANS AVE	153	492
1500 WINANS AVE	1500 WINANS AVE	153	492
1500 WINANS AVE	1500 WINANS AVE	153	492
397 W 12TH ST	397 W 12TH ST	155	531
1515 WEST ELIZABETH AVE	1515 WEST ELIZABETH AVE	194	722
1512 W. ELIZABETH AVE.	1512 W. ELIZABETH AVE.	194	723
1512 WEST ELIZABETH AVE	1512 WEST ELIZABETH AVE	194	723
1512 W ELIZABETH AVE	1512 W ELIZABETH AVE	194	723
2300 S WOOD AVE	2300 S WOOD AVE	202	740
1711 W ELISABETH AVE	1711 W ELISABETH AVE	206	756
LINDEN AIRPORT ROUTE 1 AND 9 F	LINDEN AIRPORT ROUTE 1	211	797
1710 WEST ELIZABETH AVE	1710 WEST ELIZABETH AVE	212	798
1016 W EDGAR RD	1016 W EDGAR RD	218	816
1016 W. EDGER ROAD	1016 W. EDGER ROAD	218	824
1016 W EDGAR RD	1016 W EDGAR RD	218	824
1016 WEST EDGAR RD	1016 WEST EDGAR RD	218	831
1016 WEST EDGAR RD	1016 WEST EDGAR RD	218	853
1016 EDGAR ROAD	1016 EDGAR ROAD	218	857
LOWER ROAD AND TREMBLEY ROAD	LOWER ROAD AND TREMBLEY	235	983
1200 SLYVAN ST	1200 SLYVAN ST	243	1048
1200 SYLVAN ST	1200 SYLVAN ST	243	1048
1200 SYLVAN ST	1200 SYLVAN ST	243	1052
1200 SYLVAN ST	1200 SYLVAN ST	243	1052
1200 SYLVAN ST.	1200 SYLVAN ST.	243	1053
1200 SYLVAN ST	1200 SYLVAN ST	243	1088
1200 SYLVAN ST	1200 SYLVAN ST	243	1093
1200 SYLVAN ST	1200 SYLVAN ST	243	1093
1200 SYLVAN ST	1200 SYLVAN ST	243	1093
1200 SYLVAN ST	1200 SYLVAN ST	243	1094
1200 SYLVAN ST	1200 SYLVAN ST	243	1095
1200 SYLVAN ST.	1200 SYLVAN ST.	243	1096
1200 SYLVAN ST	1200 SYLVAN ST	243	1096
1200 SYLVAN ST	1200 SYLVAN ST	243	1121
1200 SYLVAN ST	1200 SYLVAN ST	243	1121
1200 SYLVAN ST	1200 SYLVAN ST	243	1123
1200 SYLVAN ST	1200 SYLVAN ST	243	1125
1200 SYLVAN ST	1200 SYLVAN ST	243	1125
1200 SYLVAN ST	1200 SYLVAN ST	243	1131
1200 SYLVAN ST	1200 SYLVAN ST	243	1132
1200 SYLVAN ST	1200 SYLVAN ST	243	1132
1200 SYLVAN ST	1200 SYLVAN ST	243	1132
1200 SYLVAN ST	1200 SYLVAN ST	243	1132
1200 SYLVAN STREET	1200 SYLVAN STREET	243	1140
1200 SYLVAN ST	1200 SYLVAN ST	243	1140
1200 SYLVAN	1200 SYLVAN	243	1140
1200 SYLVAN ST.	1200 SYLVAN ST.	243	1140
1200 SYLVAN STREET	1200 SYLVAN STREET	243	1141
1200 SYLVAN ST	1200 SYLVAN ST	243	1142

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
1200 SYLVAN ST	1200 SYLVAN ST	243	1144
1200 SYLVAN STREET	1200 SYLVAN STREET	243	1152
1200 SYLVAN ST	1200 SYLVAN ST	243	1152
1200 SYLVAN STREET	1200 SYLVAN STREET	243	1166
1200 SYLVAN ST	1200 SYLVAN ST	243	1186
1200 SYLVAN ST	1200 SYLVAN ST	243	1186
SOLVENTS RECOVERY	SOLVENTS RECOVERY	243	1186
1331 WEST EDGAR RD	1331 WEST EDGAR RD	244	1193
126 E LINCOLN AVE	126 E LINCOLN AVE	246	1221
126 E. LINCOLN AVE	126 E. LINCOLN AVE	246	1238
126 E LINCOLN AVE	126 E LINCOLN AVE	246	1267
126 E. LINCOLN AVE	126 E. LINCOLN AVE	246	1268
126 EAST LINCOLN	126 EAST LINCOLN	246	1322
126 EAST LINCOLN AVENUE	126 EAST LINCOLN AVENUE	246	1348
126 E. LINCOLN AVE	126 E. LINCOLN AVE	246	1349
126 E. LINCOLN	126 E. LINCOLN	246	1350
126 E. LINCOLN AVE	126 E. LINCOLN AVE	246	1353
1001 LOWER ROAD	1001 LOWER ROAD	289	1563
1001 LOWER ROAD	1001 LOWER ROAD	289	1563
1001 LOWER ROAD	1001 LOWER ROAD	289	1563
1001 LOWER ROAD	1001 LOWER ROAD	289	1563
1001 LOWER ROAD	1001 LOWER ROAD	289	1563
1001 LOWER ROAD	1001 LOWER ROAD	289	1564
1001 LOWER ROAD	1001 LOWER ROAD	291	1567
1001 LOWER ROAD	1001 LOWER ROAD	291	1567
1001 LOWER ROAD	1001 LOWER ROAD	291	1573
1001 LOWER ROAD	1001 LOWER ROAD	291	1573
1001 LOWER ROAD	1001 LOWER ROAD	291	1582
1001 LOWER ROAD	1001 LOWER ROAD	291	1582
1001 LOWER ROAD	1001 LOWER ROAD	291	1582
1001 LOWER RD	1001 LOWER RD	291	1600
1001 LOWER RD	1001 LOWER RD	291	1602
1001 LOWER ROAD	1001 LOWER ROAD	291	1602
1001 LOWER ROAD	1001 LOWER ROAD	291	1612
1001 LOWER ROAD	1001 LOWER ROAD	291	1612
1001 LOWER ROAD	1001 LOWER ROAD	291	1623
1001 LOWER ROAD	1001 LOWER ROAD	291	1623
1001 LOWER ROAD	1001 LOWER ROAD	291	1623
1001 LOWER ROAD	1001 LOWER ROAD	291	1623
1001 LOWER ROAD	1001 LOWER ROAD	291	1627
1001 LOWER RD	1001 LOWER RD	291	1627
1001 LOWER ROAD	1001 LOWER ROAD	291	1627
1001 LOWER ROAD	1001 LOWER ROAD	291	1627
1001 LOWER ROAD	1001 LOWER ROAD	291	1628
1001 LOWER ROAD	1001 LOWER ROAD	291	1628
1001 LOWER ROAD	1001 LOWER ROAD	291	1628
1001 LOWER ROAD	1001 LOWER ROAD	291	1628
1001 LOWER ROAD	1001 LOWER ROAD	291	1628
1001 LOWER ROAD	1001 LOWER ROAD	291	1630
1001 LOWER RD	1001 LOWER RD	291	1635
1001 LOWER RD	1001 LOWER RD	291	1635
1001 LOWER ROAD	1001 LOWER ROAD	291	1638
1001 LOWER ROAD	1001 LOWER ROAD	291	1640
1001 LOWER ROAD	1001 LOWER ROAD	291	1640
1001 LOWER ROAD	1001 LOWER ROAD	291	1640
1001 LOWER ROAD	1001 LOWER ROAD	291	1640

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
1601 LOWER RD BLD F	1601 LOWER RD BLD F	294	1644
1300 LOWER ROAD	1300 LOWER ROAD	304	1690
1300 LOWER RD	1300 LOWER RD	304	1690
1800 LOWER RD.	1800 LOWER RD.	313	1728
1300 MAIN ST	1300 MAIN ST	370	1937
928 EAST HAZELWOOD AVENUE	928 EAST HAZELWOOD AVEN	413	2873
INSULATION DISTRIBUTORS	INSULATION DISTRIBUTORS	414	2888

STATE ASTM STANDARD

SHWS: Known contaminated sites in New Jersey except those associated with Bureau of Underground Storage Sites (BUST)

A review of the SHWS list, as provided by EDR, has revealed that there are 48 SHWS sites within the searched area.

Site	Address	Map ID	Page
PLATRONICS INCORPORATED	301 COMMERCE RD	8	10
141 MUNSELL AVENUE EAST	141 MUNSELL AVE E	11	49
ALLIED BUILDING SUPPLY CO	***101 ELIZABETH AVE***	***18***	***71***
23 STIMPSON AVE E	23 STIMPSON AVE E	48	126
LINDEN CAR CARE CENTER	***633 ELIZABETH AVE W***	***77***	***209***
ARCO SERVICE STATION	***801 WEST ELIZABETH AVEN***	***99***	***287***
224 COOLIDGE ST	224 COOLIDGE ST	101	290
HOWARD PRESS LIMITED PARTNERSH	1026 WEST ELIZABETH AVE	122	372
MID ATLANTIC CONTAINER CORPORA	***1200 WEST BLANKE STREET***	***129***	***391***
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
EXXON SERVICE STATION LINDEN C	501 EDGAR RD	146	474
LINDEN CENTER	1001 EDGAR RD	146	480
HOECHST CELANESE CORPORATION	***1401 BLANCKE ST***	***149***	***482***
STANDARD T CHEMICAL CO	***1350 W ELIZABETH AVE***	***163***	***560***
GARDEN STATE METAL FINISHING C	1301 W ELIZABETH AVE	163	564
GARDEN STATE METAL FINISHING C	1301 W ELIZABETH AVE	163	564
ALDEN APARTMENTS	***539-545 ALDEN DR***	***166***	***571***
AHC MANUFACTURING CORP	***1400 W ELIZABETH AVE***	***171***	***585***
323 WEST 15TH ST	323 WEST 15TH ST	172	593
LINDEN MUNICIPAL AIRPORT	***801 EDGAR RD W***	***185***	***650***
R & R SALVAGE CORPORATION	1537 W ELIZABETH AVE	186	656
DOCK RESINS CORP	***1512 ELIZABETH AVE W***	***186***	***678***
499 BOOTH COURT	499 BOOTH CT	190	717
SCREEN TECH OF NJ INCORPORATED	1800 BLANCKE ST	193	722
USX CORP	***1711 W ELIZABETH AVE***	***206***	***754***
2359 WHITTIER STREET	2359 WHITTIER ST	209	791
GM ASSEMBLY DIV	***1016 W EDGAR RD***	***218***	***907***
LIQUID CARBONICS	***2110 ALLEN ST***	***231***	***971***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
LINDEN CITY OF DPW	***700 LOWER ROAD***	***269***	***1486***
RAHWAY COAL GAS (ETG)	219 TO 245 CENTRAL AVE	281	1515
1610 COACH STREET	1610 COACH ST	287	1554
BUCKEYE PIPE LINE COMPANY	***1001 LOWER ROAD***	***291***	***1603***
HARRY KAGAN PROPERTY	MAIN / MONROE STS	323	1816
GULF SERVICE STATION RAHWAY CI	511 EAST GRAND AVE	328	1824

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
RAHWAY AUTO SUPPLY & SERVICE C	***12 WEST MILTON AVE***	***352***	***1874***
80 EAST MILTON AVE	80 E MILTON AVE	355	1888
RAHWAY CITY FIRE DEPARTMENT	***1300 MAIN ST***	***370***	***1929***
GULF OIL PRODUCTS COMPANY	MARSHES DOCK RD	374	1962
MERCK & COMPANY INCORPORATED L	***RANGE RD***	***377***	***1971***
GARDEN STATE BRICKFACE	***1550 RTE 1***	***386***	***1988***
COLONIAL AUTO RENTAL	***1118 MAIN ST***	***395***	***2032***
QUADREL BROTHERS TRUCKING COMP	1045 E HAZELWOOD AVE	406	2286
RITTER TRANSPORTATION	928 HAZELWOOD AVE E	413	2881
RAHWAY DEPARTMENT OF PUBLIC WO	***999 HART ST***	***433***	***2924***
PRIDE SOLVENTS & CHEMICAL COMP	***211 RANDOLPH AVENUE***	***444***	***2960***
EXXON SERVICE STATION WOODBRID	2540 RANDOLPH AVE	445	2978
SUMMIT FINISHING INC	***767 LEESVILLE AVE***	***469***	***3079***

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Protection & Energy's Solid Waste Facility Directory.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 4 SWF/LF sites within the searched area.

Site	Address	Map ID	Page
T. LUCIANO DISPOSAL SVC.	1520 LOWER RD.	298	1666
LINDEN LANDFILL	***LOWER RD***	***365***	***1924***
RAHWAY VALLEY SEWERAGE AUTHORI	***FOOT OF E HAZELWOOD AVE***	***406***	***2467***
RAHWAY LANDFILL	***999 HART ST***	***433***	***2926***

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection & Energy's Incident Report.

A review of the LUST list, as provided by EDR, and dated 09/17/2002 has revealed that there are 106 LUST sites within the searched area.

Site	Address	Map ID	Page
FIELD HOUSE	DEWITT ST	1	3
301 COMMERCE RD INC	***301 COMMERCE RD***	***8***	***46***
ALLIED BUILDERS SUPPLY	***101 W ELIZABETH AVE***	***18***	***66***
MIKE FUEL OIL CO	401 E EDGAR RD	20	85
LINDEN FIRE HOUSE #1	201 S WOOD AVE	34	105
SCHOOL #6	19 MORRIS AVE	35	106
GULF SERVICE STATION #120261	***930 WEST ST GEORGES AV***	***39***	***115***
LINDEN RECREATION DEPT MAINTEN	302 WOOD AVE S	44	122
J & S TRUCKING	305 W ELIZABETH AVE	45	123
ST THERESA OF THE CHILD JESUS	138 LIBERTY AVE	46	124
SUNOCO S/S #0006-9732 (LINDEN)	ST GEORGE AVE W / STILE	49	131
SCHOOL #8	LAFAYETTE ST	56	152
KOENIG INDUSTRIAL SUPPLY CORP	***419-501 W ELIZABETH AVE***	***58***	***163***
LINDEN-ROSELLE SEWER AUTHORITY	***5005 SOUTH WOOD AVENUE***	***64***	***172***
EASTERN VENDING CORP	***761 N STILES AVE***	***73***	***205***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
MONARCH PLUMBING & HEATING	701 N STILES ST	76	209
LINDEN CAR CARE CENTER	***633 ELIZABETH AVE W***	***77***	***209***
TRANSCO PRODUCTS CORP	***609 W ELIZABETH AVE***	***77***	***219***
SHELL SERVICE STATION	RTE 1 / WOOD	86	240
SHELL SERVICE STATION #2294440	RTE 1 / S WOOD	86	240
ATLANTIC PETROLEUM	***801 W. ELIZABETH AVE***	***95***	***259***
ARCO SERVICE STATION LINDEN	801 ELIZABETH AVE W /	99	287
107 EDGAR ROAD WEST	107 EDGAR RD W	109	316
HOWARD SOBER INC	***530 LINDEN AVE W***	***111***	***330***
DISTRIBUTION CENTER TRAFFIC DE	174 WEST EDGAR ROAD	113	337
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
CHOCK FULL O' NUTS CORP	601 WEST LINDEN AVE	130	421
D'ANGELO METAL PRODUCTS INC	360 DALZIEL RD	134	447
SUNOCO S/S #0006-9609	425 W EDGAR RD	139	462
WILLIAM MCCULLOUGH TRUCKING	***340 STILES ST***	***143***	***465***
EXXON R/S 30557	***501 EDGAR RD***	***146***	***475***
EXXON #3-0557	501 W EDGAR RD	146	477
ABANDONED	1401 WEST BLANKE STREET	149	482
SCHOOL #2 LINDEN	1708 S WOOD AVE	150	484
COLOR COMPANY	1261 ELIZABETH AVE W	154	511
COLOR CO	1261 W ELIZABETH	154	512
HYDRO GROUP INC	***1250 W ELIZABETH AVE***	***154***	***516***
LINN ASSOCIATES	***1301 W ELIZABETH AVE***	***163***	***567***
SIMONE BROTHERS FUEL OIL COMPA	***1405 HARDING AVENUE***	***170***	***580***
ALL TIME TOWING/CORNER FUEL ST	2030 SOUTH WOOD AVENUE	178	606
E&R TOWING & GARAGE INC	***25 21ST ST***	***180***	***628***
720 EDGAR ROAD WEST	720 EDGAR RD W	187	705
FORMER AUTO REPAIR SHOP	***1710 W. ELIZABETH***	***206***	***764***
RAHWAY IMPORT AUTO	***1710 ELIZABETH AVE***	***206***	***775***
LINDEN FIRE HOUSE #4	2400 WOOD AVE S	208	785
LEE'S INDEPENDENT AUTO SERVICE	***1800 W ELIZABETH AVE***	***212***	***798***
SCOTTS SERVICE CENTER	***473 W SCOTT AVE***	***219***	***928***
APPLE TIRE AND AUTO SERVICE	***260 WEST SCOTT AVE***	***234***	***973***
JFK APTS	224-250 W GRAND AVE	258	1458
LINDEN CITY OF DPW	***700 LOWER ROAD***	***269***	***1486***
ANGOSTURA INTERNATIONAL LTD	***1745 ELIZABETH AVE***	***273***	***1493***
COOPER ELECTRIC SUPPLY CO	***1080 EDWARD ST***	***275***	***1494***
UNION CNTY ART CENTER	***1601 IRVING ST***	***277***	***1499***
ST MARYS RC CHURCH & SCHOOL	232 CENTRAL AVE	277	1500
SAINT MARYS CHURCH	232 CENTRAL AVE	277	1506
BUCKEYE PIPE LINE CO LP LINDEN	***2650 MARSHES DOCK RD***	***284***	***1537***
K&L AUTOMOTIVE INC	1593 ELIZABETH AVE	288	1562
SQUIRE CORRUGATED CORP	***1500 LOWER RD***	***296***	***1655***
SQUIRE CORREGATED	***1500 LOWER RD***	***296***	***1658***
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER RD***	***299***	***1671***
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER ROAD***	***301***	***1682***
JOHNNY'S AUTO BODY	BRIDGE ST	303	1689
BESTLER CORPORATION	1600 LOWER ROAD	305	1693
POWERDRAULICS-NEILSON	670 LINCOLN AVE	306	1693
POWER DRAULICS/NIELSEN INCORPO	670 E LINCOLN AVE	311	1704
HOFFMAN KOOS WAREHOUSE	***1800 LOWER RD***	***313***	***1726***
RAHWAY SAVINGS INSITUTION	***1500 IRVING ST***	***315***	***1754***
HERSHEY IMPORT CO INC	***700 E LINCOLN AVE***	***317***	***1778***
CITY OF LINDEN MUNICIPAL GARAG	1901 LOWER ROAD	320	1785
LINDEN GARAGE	***1901 LOWER RD***	***320***	***1797***
RELIANCE EQUIPMENT CO	***2122 FELVER CT***	***322***	***1815***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
YORK-HOLLY INC	***1600 ESSEX ST***	***342***	***1851***
GETTY 00190	***1809 RT 1***	***345***	***1859***
FRONT OF MOBIL SERVICE STATION	E GRAND/RTE 1 / 9	347	1864
CHINA ART LINENS INCORPORATED	***1425 TO 1433 MAIN ST***	***349***	***1864***
RAHWAY AUTO SUPPLY & SERVICE C	12 MILTON AVE W	352	1872
RAHWAY AUTO SUPPLY & SERVICES	***12 W. MILTON AVE***	***352***	***1875***
CHEVROLET DEALERSHIP (FORMER)	MILTON AVE W / BROAD	352	1880
US POST OFFICE	123 E MILTON AVE	356	1895
RAHWAY CITY HALL	***1 CITY HALL PLAZA***	***361***	***1909***
RAHWAY FIRE DEPT	1300 MAIN ST	370	1933
RAHWAY YACHT CLUB	1707 PATERSON ST	371	1946
AMOCO SERVICE STATION #333	1695 RTE 1 / 9 N	373	1958
WELDON CONCRETE	***2651 MARSHES DOCK RD***	***378***	***1973***
BELLE HYUNDAI	1453 LAWRENCE ST	383	1982
BELLE MITSUBISHI	1500 RTE #1	384	1985
SECOND PRESAYTERIAN CHURCH	1221 NEW BRUNSWICK AVE	385	1988
GARDEN STATE BRICKFACE	***1550 RTE 1***	***386***	***1988***
1354 ESSEX STREET	1354 ESSEX ST	389	1998
COLONIAL AUTO RENTAL	***1118 MAIN ST***	***395***	***2032***
ALAN MOTOR LINES INC	***RT 1 / 9***	***396***	***2038***
QUADREL BROTHERS	***1045 E. HAZELWOOD***	***406***	***2245***
THE BRAKE SHOP	***373 EAST HAZELWOOD AVE***	***407***	***2860***
N.F.S. OPERATING CORP.	902 EAST HAZELWOOD AVE	413	2867
PEARSE FLUID INDUSTRIES	***907 E HAZELWOOD AVE***	***413***	***2868***
WITHERSPOON LLC	***1421 WITHERSPOON ST***	***416***	***2888***
MINUE SCHOOL	***POST BLVD***	***422***	***2903***
JOSEPH MEDWICK PARK	***HERMANN ST***	***428***	***2913***
RAHWAY DEPARTMENT OF PUBLIC WO	***999 HART ST***	***433***	***2924***
SANSONE AUTO NETWORK	RTE 1 / 9	434	2936
ALLOBEST KASSER INCORPORATED	24-30 MILEED WAY	436	2941
75 RANDOLPH AVE	***75 RANDOLPH AVE***	***444***	***2966***
FORMER EXXON 3-2583/METRO 1 FU	2540 RANDOLPH AVE	445	2986
AVIONIC INSTRUMENTS INC	***1414 RANDOLPH AVE***	***448***	***3015***
CLOVER LEAF PLAZA	***1032 RT 1 NORTH***	***457***	***3030***
ORANGE PLASTICS CO	***1140 RANDOLPH AVE***	***460***	***3034***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection & Energy's UST Data.

A review of the UST list, as provided by EDR, and dated 10/08/2004 has revealed that there are 164 UST sites within the searched area.

Site	Address	Map ID	Page
THERESA MANOR CONDO	28 W ELIZABETH AVE	3	4
FIELD HOUSE	700 W CURTIS ST	6	7
FIELD HOUSE	700 W CURTIS ST	6	8
PLATRONICS INC	***301 COMMERCE RD***	***8***	***30***
ALLIED BUILDING SUPPLY CO	***101 ELIZABETH AVE***	***18***	***71***
RT 1 TRUCK STOP	RTE 1 & INDUSTRIAL LN	22	90
SWAN MOTEL	301 E EDGAR ROAD	32	100
#1 FIREHOUSE	201 S WOOD AVE	34	105
SCHOOL #6	19 MORRIS AVE E	35	106

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
LINDCREST ASSOCIATES	***1116 STILES AVE N***	***36***	***110***
NJ BELL TELEPHONE	245 S WOOD AVE	37	113
GULF 120261	998 W ST GEORGE'S AVE	42	120
RECREATION BUILDING	302 S WOOD AVE	44	122
J&S TRUCKING SERVICE INC	309 ELIZABETH AVE	45	123
ST THERESA CHILD JESUS CHRIST	138 LIBERTY AVE	46	124
SUNOCO 0006-9732	SAINT GEORGES AVE & STI	49	130
SCHOOL #8	500 W BLANCKE ST	53	150
KOENIG INDUSTRIAL SUPPLY CORP	***419-501 W ELIZABETH AVE***	***58***	***163***
INDEPENDENT INSPECTORS CORP	360 E ELIZABETH AVE	58	165
ARROW TV & ELECTRONICS CO INC	838 NORTH STILES ST	63	172
LINDEN-ROSELLE SEWER AUTHORITY	***5005 SOUTH WOOD AVENUE***	***64***	***172***
CHRISTMAS CITY	107 E EDGAR RD	71	203
EASTERN VENDING	761 N STILES AVE	73	206
MONARCH PLUMBING & HEATING CO	701 N STILES ST	76	209
LINDEN CAR CARE CENTER	***633 ELIZABETH AVE W***	***77***	***209***
TRANSCO PRODUCTS CORP	***609 W ELIZABETH AVE***	***77***	***219***
ALSTON QUALITY INDUSTRIES	1200 FULLER RD	78	222
GENTECH INCORPORATED	***531 NORTH STILES STREET***	***83***	***233***
SHELL OIL CO	***RTE 1 & WOOD***	***86***	***244***
EXXON R/S 38556	RTE 1 S & WOOD AVE	87	250
SANDEEP FUEL CORP	801 W ELIZABETH AVE	95	261
ELF LUBRICANTS NORTH AMERICA	***5 NORTH STILES STREET***	***98***	***271***
DELBARTON MANOR	300 W MUNSELL AVE	104	300
HOWARD SOBER INC	***530 LINDEN AVE W***	***111***	***330***
GIANT INTERNATIONAL TRUCKS IN	525 W LINDEN AVE	111	334
OXFORD RESOURCES CORP	***1100 W BLANCKE ST***	***117***	***348***
DUNN ASSOCIATED	2428 ST GEORGE AVE & 84	119	349
BROOKSIDE GARDENS	SOUTH WOOD AVE	125	381
BHAGWAN D ARORA	1420 S WOOD AVE	128	382
MIDATLANTIC CONTAINER CORP	1200 W BLANCKE ST	129	388
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
CHOCK FULL O' NUTS CORP	601 WEST LINDEN AVE	130	420
HOWARD PRESS INCORPORATED	***1107 W ELIZABETH AVE***	***131***	***423***
PARAMOUNT MFG CO	***1125 W ELIZABETH AVE***	***133***	***443***
AMPRO-DIACLEAR	1320 BLANCKE ST	140	462
DEANGELO METAL PRODUCTS INC	260 DALZIEL RD	144	471
EXXON R/S 30557	***501 EDGAR RD***	***146***	***475***
A&H REALTY	1201 W ELIZABETH AVE	148	481
SCHOOL #2	1708 WOOD AVE S	150	485
HYDRO GROUP INC	***1250 W ELIZABETH AVE***	***154***	***516***
A&H REALTY	1251 ELIZABETH AVE	154	527
JONSCO CONSTRUCTION INC	***1430 W BLANCKE ST***	***158***	***537***
B&B AUTOMOTIVE REPAIRS	1528 W BLACNKE ST	161	539
AGP GENTECH INC	1525 BLANCKE ST	161	551
HERBERT LUTZ & CO	***2020 CLINTON ST***	***162***	***557***
STANDARD T CHEMICAL CO	***1350 W ELIZABETH AVE***	***163***	***560***
LINN ASSOCIATES	***1301 W ELIZABETH AVE***	***163***	***567***
ALDEN APTS	536 559 ALDEN DR	166	570
SIMONE BROS FUEL CO INC	1405 HARDING AVE	170	579
AHC MANUFACTURING CORP	***1400 W ELIZABETH AVE***	***171***	***585***
CITGO STATION	***2030 S WOOD AVE***	***178***	***597***
E&R TOWING & GARAGE INC	***25 21ST ST***	***180***	***628***
JOAN E SILVER	1420 S STILES ST	183	631
LINDEN MUNICIPAL AIRPORT	***801 EDGAR RD W***	***185***	***650***
DOCK RESINS CORP	***1512 ELIZABETH AVE W***	***186***	***678***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
720 WEST EDGAR ROAD	720 WEST EDGAR RD	187	700
CAMBRIDGE CHEMICAL CLEANING IN	***11 W 21ST ST***	***191***	***719***
EXXON R/S	801 W EDGAR RD	199	733
BASIC FORMULATIONS	***1600 W ELIZABETH AVE***	***200***	***734***
INDUSTRIAL MACHINE & ENGR CO I	***1807 W ELIZABETH AVE***	***206***	***744***
USX CORP	***1711 W ELIZABETH AVE***	***206***	***754***
RAHWAY IMPORT AUTO	***1710 ELIZABETH AVE***	***206***	***775***
#4 FIREHOUSE	2400 WOOD AVE	208	786
MISTRAL WING & ROTOR CORP	LINDEN AIRPORT	211	796
LEE'S INDEPENDENT AUTO SERVICE	***1800 W ELIZABETH AVE***	***212***	***798***
ANCHOR MOTOR FREIGHT	1001 W LINDEN AVE	214	803
SCOTTS SERVICE CENTER	***473 W SCOTT AVE***	***219***	***928***
CITY LINE REALTY ASSO NJ LIMT	2195 ELIZABETH AVE	232	973
APPLE TIRE AND AUTO SERVICE	***260 WEST SCOTT AVE***	***234***	***973***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
SAFETY - KLEEN CORP - LINDEN R	***1200 SYLVAN ST***	***243***	***1053***
1701 REALTY CO	1701 RTE 1	252	1436
RAHWAY HOUSING AUTHORITY	224 WEST GRAND AVE	258	1458
DISTRIBUTION CENTER TRAFFIC DE	174 EDGAR RD W	262	1464
SIEMENS ENERGY & AUTOMATION SE	***1600 E HWY 1***	***263***	***1464***
KELLY'S PUB	1654 IRVING STREET	265	1468
RHODES PLASTICS CORP	1075 EDWARD ST	268	1479
LINDEN CITY OF DPW	***700 LOWER ROAD***	***269***	***1486***
ANGOSTURA INTERNATIONAL LTD	***1745 ELIZABETH AVE***	***273***	***1493***
COOPER ELECTRIC SUPPLY CO	***1080 EDWARD ST***	***275***	***1494***
UNION CNTY ART CENTER	***1601 IRVING ST***	***277***	***1499***
ST MARYS RC CHURCH & SCHOOL	232 CENTRAL AVE	277	1500
ST MARYS SCHOOL	***244 CENTRAL AVE***	***278***	***1507***
BUCKEYE PIPE LINE CO LP LINDEN	***2650 MARSHES DOCK RD***	***284***	***1537***
K&L AUTOMOTIVE INC	1593 ELIZABETH AVE	288	1562
CLIFF HARDWARE	1565 ELIZABETH AVE	292	1640
RAHWAY HOUSING AUTHORITY	165 EAST GRAND AVE	293	1641
SQUIRE CORRUGATED CONTAINER CO	***1500 LOWER RD***	***296***	***1663***
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER RD***	***299***	***1671***
LABS TRUCK REPAIR CO	1300 LOWER RD	299	1672
RAHWAY YMCA	1564 IRVING ST	300	1674
RAHWAY GERIATRICS CENTER INC	1777 LAWRENCE ST	307	1694
BERENDSEN FLUID POWER	***670 E LINCOLN AVE***	***311***	***1703***
HUFFMAN KOOS	***1800 LOWER RD - SITE 2***	***313***	***1713***
TEXAS EASTERN PIPELINE COMPRES	***LOWER RD & RANGE RD***	***313***	***1740***
RAHWAY SAVINGS INSTITUTION	***1500 IRVING ST***	***315***	***1756***
HERSHEY IMPORT CO INC	***700 E LINCOLN AVE***	***317***	***1778***
MUNICIPAL GARAGE-CITY OF LINDE	1901 LOWER RD	320	1783
TURTLE & HUGHES INC	***1900 LOWER RD***	***320***	***1793***
LINDEN PUBLIC WORKS GARAGE	1900 LOWER RD	320	1799
RELIANCE EQUIPMENT CO	***2122 FELVER CT***	***322***	***1815***
ABATES GULF STATION	511 EAST GRAND AVE	328	1824
RAHWAY CONG OF JEHOVAH'S WITNE	2110 BARNETT ST	334	1834
WELDON ASPHALT CO	***2000-2651 MARSHES DOCK***	***339***	***1845***
GIACOBBE & SONS	75 E CHERRY ST	340	1848
EXXON R/S 39831	1950 RT 1 S/GRAND	341	1850
YORK-HOLLY INC	***1600 ESSEX ST***	***342***	***1851***
MCCRORY STORE #113	66-70 CHERRY ST	344	1858
MCCRORY STORE #113	66-70 CHERRY ST	344	1858
GETTY 00190	***1809 RT 1***	***345***	***1859***
CHINA ART LINENS INCORPORATED	***1425 TO 1433 MAIN ST***	***349***	***1864***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
MOBIL 57243	1948 RT 1	351	1870
RAHWAY AUTO SUPPLY & SERVICE C	***12 WEST MILTON AVE***	***352***	***1874***
AUTOMOTIVE ANALYSIS	80 EAST MILTON AVE	355	1888
US POST OFFICE - RAHWAY	123 EAST MILTON AVE	356	1896
GULF OIL PRODUCTS COMPANY	***MARSHES DOCK RD***	***357***	***1898***
RAHWAY CITY HALL	***1 CITY HALL PLAZA***	***361***	***1909***
GOLDEN AGE TOWERS INC	200-220 E MILTON AVE	362	1917
CHEVRON USA INC	***MARSHES DOCK ROAD***	***364***	***1919***
GROVER CLEVELAND ELEMENT SCHOO	486 MILTON AVE	369	1929
RAHWAY DIVISION OF FIRE	1300 MAIN ST	370	1933
RAHWAY YACHT CLUB	***1706 PATERSON ST***	***371***	***1950***
AMOCO SERVICE STATION 333	RTES 1 & 9 N	372	1958
US GAS INC	EDGAR RD & PARK AVE	382	1981
BELL HYUNDAI	***1453 LAWRENCE ST***	***383***	***1982***
SECOND PRESBYTERIAN CHURCH	1221 NEW BRUNSWICK AVE	385	1987
GARDEN STATE BRICKFACE	***1550 RTE 1***	***387***	***1989***
ALAN MOTOR LINES INC	RTE 1 & LAWRENCE ST	393	2022
RIVERDALE MANAGEMENT ASSOCIATE	1118 MAIN ST	395	2038
B&S OIL CORP	1399 RT 1 NORTH	398	2040
RAHWAY VALLEY SEWERAGE AUTHORI	***FOOT OF E HAZELWOOD AVE***	***406***	***2467***
QUADREL BROS TRUCKING CO INC	1045 E HAZELWOOD AVE	406	2859
THE BRAKE SHOP	***373 EAST HAZELWOOD AVE***	***407***	***2860***
MAILERS INC	915 EAST HAZELWOOD AVE	413	2873
CLEAN HARBOR RAHWAY INC	928 HAZELWOOD AVE E	413	2883
CLEAN HARBOR RAHWAY INC	928 HAZELWOOD AVE E	413	2885
NES OPERATING CORP	902 EAST HAZLEWOOD AVE	415	2888
WITHERSPOON LLC	***1421 WITHERSPOON ST***	***416***	***2888***
GETTY 014719 RAHWAY LUMBER CO	HAZELWOOD AVE 116	420	2900
MINUE SCHOOL	83 POST BLVD	422	2905
JOSEPH MEDWICK PARK	***HERMANN ST***	***428***	***2913***
DEPARTMENT OF PUBLIC WORKS GAR	999 HART ST	433	2927
ALRICH TRUCKING	24-30 MILEED WAY	436	2943
PRIDE SOLVENTS & CHEMICAL COMP	***211 RANDOLPH AVENUE***	***444***	***2960***
75 RANDOLPH AVE	***75 RANDOLPH AVE***	***444***	***2966***
MATLACK INC WOODBRIDGE	57 RANDOLPH AVE	444	2971
METRO III FUEL STATION	2540 RANDOLPH AVE	445	2978
AVIONIC INSTRUMENTS INC	***1414 RANDOLPH AVE***	***448***	***3015***
RAHWAY HOUSING AUTHORITY	498 CAPOBIANCO PLAZA	453	3021
RAHWAY MV FIELD INSTALLATION	1140 WOODBRIDGE RD	459	3033
ORANGE PLASTIC CO INC	1140 RANDOLPH AVE	460	3034
GIRARD EQUIPMENT INCORPORATED	***1004 ROUTE 1***	***464***	***3059***
ROHTSTEIN CORP	1C TERMINAL WAY	467	3069
SUMMIT FINISHING INC	***767 LEESVILLE AVE***	***469***	***3079***

VCP: Through the VCP, responsible parties, developers, local officials, or individuals may work with the department to remediate non-priority contaminated sites that pose no immediate threat to human health or the environment.

A review of the VCP list, as provided by EDR, and dated 10/01/2004 has revealed that there are 52 VCP sites within the searched area.

Site	Address	Map ID	Page
401 COMMERCE ROAD	401 COMMERCE RD	4	5

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
CUSTOM FABRICATORS INCORPORATE	400 COMMERCE RD	4	5
321 AINSWORTH STREET	321 AINSWORTH ST	10	49
141 EAST MUNSELL AVENUE	141 E MUNSELL AVE	11	55
615 WEST HENRY STREET	615 W HENRY ST	13	58
151 EAST STIMPSON AVENUE	151 E STIMPSON AVE	17	66
211 WEST BLANKE STREET	211 W BLANKE ST	19	84
749 ERUDO STREET	749 ERUDO ST	38	115
23 EAST STIMPSON AVE	23 E STIMPSON AVE	48	129
126 EAST EDGAR ROAD	126 E EDGAR RD	62	168
STRIP MALL	821 N STILES ST	63	172
CHRISTMAS CITY	107 E EDGAR RD	65	188
409 MILTONIA STREET	409 MILTONIA ST	67	188
605 WEST PRICE STREET	605 W PRICE ST	68	193
1000 CLINTON STREET	1000 CLINTON ST	75	207
616 WEST ELIZABETH AVENUE	616 W ELIZABETH AVE	77	219
342 MILTONIA STREET	342 MILTONIA ST	81	230
119 COOLIDGE STREET	119 COOLIDGE ST	94	258
119 COOLIDGE STREET	119 COOLIDGE ST	94	259
224 COOLIDGE STREET	224 COOLIDGE ST	107	311
12 WEST 12TH STREET	12 W 12TH ST	114	343
UNITED LACQUER	1001 W ELIZABETH AVE	115	344
49 WEST 12TH STREET	49 W 12TH ST	123	375
BROOKSIDE GARDEN APARTMENTS	1350 S WOOD AVE	125	375
SOLAR COMPOUNDS CORPORATION	1201 W BLANKE ST	129	384
A&R REALTY COMPANY	345 DALZIEL RD	134	446
201 WEST 15TH STREET	201 W 15TH ST	164	570
552 ALDEN DRIVE APARTMENT BLDG	552 ALDEN DR	167	574
1915 SOUTH WOOD AVENUE	1915 S WOOD AVE	169	578
323 WEST 15TH STREET	323 W 15TH ST	172	593
SMALL LOT STAMPING COMPANY	1540 W ELIZABETH AVE	200	734
R&R SALVAGE	1537 W ELIZABETH AVE	200	736
2359 WHITTIER STREET	2359 WHITTIER ST	205	744
119 BRADFORD AVENUE	119 BRADFORD AVE	215	809
2129 PROSPECT STREET	2129 PROSPECT ST	216	809
2610 TREMLEY POINT ROAD	2610 TREMLEY POINT RD	238	990
REED RECREATION CENTER	1670 IRVING ST	265	1471
1636-1640 IRVING STREET (APT)	1636-1640 IRVING ST	274	1494
COOPER ELECTRIC SUPPLY COMPANY	1080 EDWARD ST	275	1494
123 MAIN ST	123 MAIN ST	285	1553
PIEGARI PROPERTY	1610 COACH ST	287	1555
RAHWAY SAVINGS INSTITUTION	1500 IRVING ST	330	1829
SITE 60-62 E MILTON AVE &	1382-1402 IRVING ST	350	1870
FIRST AMERICAN POLISH UNION IN	1403-1417 IRVING ST	350	1870
RAHWAY AUTO SUPPLY & SERVICES	***12 W. MILTON AVE***	***352***	***1875***
80 EAST MILTON AVENUE	80 E MILTON AVE	355	1891
65 TO 73 EAST MILTON AVENUE	65-73 E MILTON AVE	355	1895
1869 LENNINGTON STREET	1869 LENNINGTON ST	358	1904
GOLDEN AGE TOWERS	200-220 E MILTON AVE	363	1919
257 EAST HAZELWOOD AVENUE	257 E HAZELWOOD AVE	399	2042
1018 HAZEL PLACE	1018 HAZEL PL	405	2140
76 FREDERICK STREET	76 FREDERICK ST	456	3029

EXECUTIVE SUMMARY

FEDERAL ASTM SUPPLEMENTAL

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 09/09/2004 has revealed that there are 430 FINDS sites within the searched area.

Site	Address	Map ID	Page
THERESA MANOR CONDOMINIUMS	28 W ELIZABETH AVE	3	5
LINDEN LAUNDROMAT DRY CLEANING	17 W. ELIZABETH AVENUE	3	5
CUSTOM FABRICATORS INC	400 COMMERCE RD	4	5
LINDCREST APARTMENTS	905 ACADEMY TER	5	7
JOHN BERIONT FIELD HOUSE	***700 W CURTIS ST***	***6***	***8***
103 WEST PRICE STREET	103 W PRICE ST	7	10
301 COMMERCE RD INC	***301 COMMERCE RD***	***8***	***46***
A&M INDUSTRIAL SUPPLY MCCORMIC	325 COMMERCE RD	8	48
LINDCREST APARTMENTS	1129 UNIVERCITY TER	9	49
LINDCREST APARTMENTS	1128 UNIVERCITY TER	9	49
321 AINSWORTH STREET	321 AINSWORTH ST	10	49
141 EAST MUNSELL AVENUE	141 E MUNSELL AVE	11	55
HOWARD PRESS	***104 PENNSYLVANIA RAILRO***	***12***	***57***
LINDEN MOTOR INNS INCORPORATED	10 NORTH WOOD AVENUE	12	57
ELIZABETH GENERAL MEDICAL CENT	10 N WOOD AVE	12	58
615 WEST HENRY STREET	615 W HENRY ST	13	60
WIELAND AUTO COACH	***732 E ST GEORGES AVE***	***14***	***60***
LINDCREST APARTMENTS	9 UNIVERSITY CIR	15	60
STAY CLEANER INC	***1 S WOOD AVE***	***16***	***63***
151 EAST STIMPSON AVENUE	151 E STIMPSON AVE	17	64
ALLIED BUILDING SUPPLY CO	101 W ELIZABETH AVE	18	72
NJ TRANSIT - LINDEN STATION	***101 W ELIZABETH AVE***	***18***	***72***
211 WEST BLANCKE STREET	211 W BLANCKE ST	19	84
1119 FOREST DRIVE	1119 FOREST DR	21	90
STAR AUTO BODY	***102 W ELIZABETH AVE***	***23***	***92***
H G L CORP	***832 ST GEORGES AVE***	***24***	***92***
PREMIER PRINTERS	308 CLINTON ST	25	93
DRAPKIN PRINTING CO	108 S WOOD AVE	27	96
TEES & THINGS	***103 S WOOD AVE***	***27***	***96***
WOODLAWN AUTO BODY	***710 WOODLAWN AVE***	***28***	***96***
LINDEN BD OF ED SCHOOL 6	***19 EAST MORRIS AVENUE***	***30***	***98***
LINDEN CITY FIREHOUSE #1	201 S WOOD AVE	34	106
CHANGS CLEANERS	***129 NORTHWOOD AVE***	***35***	***106***
LINDCREST ASSOC	1116 N STILES ST	36	113
VERIZON COMMUNICATIONS LINDEN	***245 SOUTH WOOD AVENUE***	***37***	***113***
LINDEN CITY RECREATION DEPT MA	302 S WOOD AVE	44	122
J&S TRUCKING SERVICE INC	309 W ELIZABETH AVE	45	123
LINDCREST APARTMENTS	1032 N STILES ST	47	126
23 EAST STIMPSON AVENUE	23 E STIMPSON AVE	48	129
SUNOCO SERVICE STATION	***999 W ST GEORGES AVE***	***49***	***130***

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Site	Address	Map ID	Page
ST THERESA OF THE CHILD JESUS	705 CLINTON ST	54	150
C&B AUTO ELECTRIC	409 W ELIZABETH AVE	58	163
LINDEN PHOTO ENGRAVING CORP	400 W ELIZABETH AVE	58	163
INDEPENDENT INSPECTORS CORP	360 E ELIZABETH AVE	58	165
TEAG ELECTRIC INC	***333 W ELIZABETH AVE***	***58***	***166***
PRIDE CLEANERS & TAILOR SHOP	893 N STILES ST	59	166
605 PRICE STREET	605 W PRICE ST	60	166
821 STILES STREET	821 STILES ST	63	172
ARROW TV & ELECTRONICS CO INC	838 N STILES ST	63	172
LINDEN-ROSELLE SEWER AUTHORITY	***5005 SOUTH WOOD AVENUE***	***64***	***172***
A ACE WALCO TERMITE & PEST CNT	138 E EDGAR RD	65	186
DANNY BRITTS BAKING CO	105 W MUNSELL AVE	66	188
409 MILTONIA STREET	409 MILTONIA ST	67	191
BLUE RIBBON POOL	***102 E EDGAR RD***	***71***	***201***
EASTERN VENDING CORP	***761 N STILES AVE***	***73***	***205***
BENS LANDSCAPING INC	510 W ELIZABETH AVE	74	206
1000 CLINTON STREET	1000 CLINTON ST	75	208
MONARCH PLUMBING & HEATING CO	701 N STILES ST	76	208
616 WEST ELIZABETH AVENUE	616 W ELIZABETH AVE	77	219
TRANSCO PRODUCTS CORP	***609 W ELIZABETH AVE***	***77***	***219***
HATFIELD WIRE & CABLE DIV CCS	***STILES ST & FULLER RD***	***78***	***224***
PATHMARK STORE	651 N STILES ST	78	224
CRATING & CONTAINER INTERNATIO	1200 FULLER RD	78	225
JOYAL PRODUCTS INCORPORATED	***1233 WEST ST GEORGE AVE***	***79***	***225***
NATIONAL WHOLESALE LIQUIDATORS	1151 WEST ST GEORGES AV	82	230
GENTECH INCORPORATED	***531 NORTH STILES STREET***	***83***	***233***
REXFORD PAPER CO	531 N STILES ST	83	234
CENTRAL PRODUCTS INC - UNISOUR	***531 N STILES AVE***	***83***	***235***
EXXON CORPORATION	***1100 US ROUTE 1***	***86***	***238***
SHELL OIL CO	***RTE 1 & WOOD***	***86***	***244***
EXXON CO USA 38556	***11 E EDGAR RD***	***87***	***250***
GIBRALTAR TRANSMISSIONS	***1205 W ST GEORGES AVE***	***88***	***252***
LINDEN BOARD OF EDUCATION	***10 DONALDSON PL - MAINT***	***89***	***253***
B K TRUCKING	***18 DONALDSON PL***	***89***	***253***
SONOL GAS INC	801 W ELIZABETH AVE	95	261
ATLANTIC RICHFIELD SERVICE STA	ELIZABETH AVE & STILES	95	263
BOB GNARRA FORMER OWNER	938 S. WOOD AVE.	96	269
ELF LUBRICANTS NORTH AMERICA	***5 NORTH STILES STREET***	***98***	***271***
ARCO SERVICE STATION	***801 WEST ELIZABETH AVEN***	***99***	***287***
AMERICAN FLANGE MFG CO INC	403 AMON TER	100	288
224 COOLIDGE STREET	224 COOLIDGE ST	101	290
212 COOLIDGE STREET	212 COOLIDGE ST	101	296
135 SOUTH STILES STREET	135 S STILES ST	103	300
DELBARTON MANOR	300 W MUNSELL AVE	104	301
ROSS APARTMENTS	905 ROSS ST	106	306
912 ROSS STREET	912 ROSS ST	106	307
LIFT TRUCKS INC	***1025 W BLANCKE ST***	***110***	***318***
ALLSTATE POWER VAC INCORPORATE	***530 WEST LINDEN AVENUE***	***111***	***318***
MID ATLANTIC TRUCK CENTER INC	***525 W LINDEN AVE***	***111***	***335***
EAST COAST AUTO SPECIALTIES	***1006 W ELIZABETH AVE***	***115***	***343***
UNITED LACQUER	1001 W ELIZABETH AVE	115	344
CHROME PLUS INCORPORATED	1001 WEST ELIZABETH AVE	115	344
ISCO SUBS NUCLEAR SUPPORT	***1001 W ELIZABETH AVE***	***115***	***344***
USA AUTO MALL OF NEW JERSEY IN	1100 W BLANCKE ST	117	348
OXFORD RESOURCES CORP	***1100 W BLANCKE ST***	***117***	***348***
DELAIRE NURSING & CONVALESCENT	400 W STIMPSON AVE	118	349

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Site	Address	Map ID	Page
HOWARD PRESS INC LINDEN WAREHO	1026 W ELIZABETH AVE	122	373
WESLEY WINTER & MOORE INC	***1026-1048 W ELIZABETH A***	***122***	***373***
EASTMAN,ROY A	798 LINDEN AVE	124	375
BROOKSIDE GARDENS APARTMENTS	1350 S WOOD AVE	125	375
XPORT SERVICES INC	340 S. STILES ST.	126	382
ARORA BHAGWAN D	1420 S WOOD AVE	128	383
WEST BLANCKE ASSOCIATES	***1200 WEST BLANCKE STREE***	***129***	***387***
GROSS & HECHT TRUCKING INCORPO	***1200 WEST BLANCKE STREE***	***129***	***387***
EAST COAST CHEMICAL DISPOSAL I	***1200 WEST BLANCKE STREE***	***129***	***387***
NEWARK STEEL DRUM COMPANY	1200 WEST BLANCKE STREE	129	389
MID ATLANTIC CONTAINER CORPORA	***1200 WEST BLANKE STREET***	***129***	***391***
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
CHOCK FULL O NUTS CORP	601 W LINDEN AVE	130	419
CONRAIL CORP YARD LINDEN	600 W LINDEN AVE	130	420
TETLEY INCORPORATED	***601 WEST LINDEN AVE***	***130***	***420***
HOWARD PRESS INCORPORATED	***1107 W ELIZABETH AVE***	***131***	***423***
LIMA PLASTICS INC.	***1130 W. ELIZABETH AVE.***	***133***	***443***
PARAMOUNT MFG CO	***1125 W ELIZABETH AVE***	***133***	***443***
A&R REALTY CO	345 DALZIEL RD	134	446
TRANS NATIONAL FABRICATORS	***355 DALZIEL RD***	***134***	***446***
AJAY METAL FABRICATORS INC	355 DALZIEL RD	134	446
AMERIFAST CORP	355 DALZIEL RD	134	447
HANSOME ENERGY SYSTEMS INC	358 DALZIEL RD	134	447
DANGELO METAL PRODUCTS COMPANY	360 DALZIEL RD	134	447
HANSOME ENERGY SYSTEM INC	***365 DALZIEL RD***	***134***	***451***
AMPRO DIACLEAR INC	1320 W BLANCKE ST	140	462
LINDEN NEWS INC	316 DALZIEL RD	144	472
MECHANICAL ENGINEERING SERVICE	325 DALZIEL RD	144	472
CALEB BRETT USA INC	***333 DALZIEL RD***	***144***	***472***
HOECHST CELANESE CORP	***1351 W BLANCKE ST***	***145***	***474***
EXXON CO USA 30557	***501 W EDGAR RD***	***146***	***477***
SUNOCO SERVICE STATION	***FTE 1 & STILES ST***	***146***	***480***
COLORFLO INC	1217 W ELIZABETH AVE	148	481
A&H REALTY	1201 W ELIZABETH AVE	148	481
KAUFMAN STAIRS INCORPORATED	301 DALZIEL ROAD	149	483
HOECHST CELANESE CORP	1401 W BLANCKE ST	149	483
UNION CNTY FLORIST SUPPLIES IN	350 CANTOR AVE	152	489
MACHINING CENTERS OF AMERICA I	355 CANTOR AVE	152	489
DELTA KNIT FINISHERS INCORPORA	362 CANTOR AVENUE	152	490
FRED WALSH PLASTICS INC	362 CANTOR AVE	152	490
COLORCO INCORPORATED	***1261 W ELIZABETH AVE***	***154***	***512***
HYDRO GROUP INC	***1250 W ELIZABETH AVE***	***154***	***516***
A&H REALTY	1251 W ELIZABETH AVE	154	528
CAMBRIDGE CHEMICAL CLEANING	1250 W ELIZABETH AVE	154	528
ANDERSON TOOL DIE CORPORATION	***1430 WEST BLANCKE STREE***	***158***	***536***
JONSCO CONSTRUCTION INC	***1430 W BLANCKE ST***	***158***	***537***
LINDEN COLLISION	1420 W BLANCKE ST	158	537
1401 EDDY AVENUE	1401 EDDY AVE	159	537
LINDEN REALTY	721 W LINDEN AVE	160	539
RESYN CORP	***1540 W BLANCKE ST***	***161***	***539***
B&B AUTOMOTIVE REPAIRS	1528 W BLANCKE ST	161	541
BONTEMPO BROS COMPETITION	1539 W BLANCKE ST	161	541
GAC INTERNATIONAL TRANSPORTATI	300 CENTER AVE	161	543
GOMAR MFG CO INC	1501 W BLANCKE ST	161	543
HONEYWELL INTERNATIONAL INC	1525 W BLANCKE ST	161	543
AGP GENTECH INDUSTRIES INC	1525 W BLANCKE ST	161	544

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Site	Address	Map ID	Page
HONEYWELL INTERNATIONAL INCORP	***1515 WEST BLACNKE STREE***	***161***	***544***
IDEAL STAMPING CO INC	315 CANTOR AVE	161	552
F&L MACHINERY DESIGN INC	315 CANTOR AVE	161	552
ADRICK MARINE CORP	320 CANTOR AVE	161	552
FAUST THERMOGRAPHICS SUPPLY	***325 CANTOR AVENUE***	***161***	***552***
DOLLAR PRODUCTS INTERNATIONAL,	333 CANTOR AVE, UNIT B	161	557
HERBERT LUTZ & CO	***2020 CLINTON ST***	***162***	***557***
HL PETROLEUM CO INC	2020 CLINTON ST	162	560
STANDARD T CHEMICAL CO	***1350 W ELIZABETH AVE***	***163***	***560***
EAST SIDE METAL STAMPING	1301 WEST ELIZABETH AVE	163	562
CHALLENGER ELECTRICAL EQUIPMEN	***1301 WEST ELIZABETH AVE***	***163***	***568***
MINIBAG USA CORP	1301 W ELIZABETH AVE	163	568
201 15TH STREET	201 15TH ST	164	570
SUPERIOR BAG MFG CORP	759 E LINCOLN AVE	165	570
552 ALDEN DRIVE	552 ALDEN DR	167	574
SIMONE BROTHERS FUEL OIL COMPA	***1405 HARDING AVENUE***	***170***	***580***
AHC MFG CORP	1400 W ELIZABETH AVE	171	582
A I MANUFACTURING CORPORATION	***1400 WEST ELIZABETH AVE***	***171***	***583***
323 15TH STREET	323 15TH ST	172	593
VANTAGE CUSTOM CLASSICS	1600 W BLANCKE ST	173	594
VANTAGE MARKETING INC	1570 BLANCKE ST	173	594
YORK INDUSTRIES	360 HURST ST.	174	594
UNIVERSAL JOINT SERVICE INC	***2001 S WOOD AVE***	***175***	***594***
2350 KNAPP DRIVE	2350 KNAPP DR	176	596
CODI SEMICONDUCTER INCORPORATE	***350 HURST STREET***	***177***	***596***
CORNER FUEL STOP STATION & ALL	2030 S WOOD AVE	178	606
AC & S	15 E. 21ST ST	180	618
E&R TOWING & GARAGE INC	25 E 21ST ST	180	629
3RD DIMENSIONS	333 HURST ST	182	630
CRASH COLLISION REPAIRS	***1430 S STILES ST***	***183***	***631***
SILVER JOAN E	1420 S STILES ST	183	631
LINDEN AIRPORT	***701 W EDGAR RD***	***185***	***653***
HOME DEPOT 934	***701 W EDGAR RD***	***185***	***653***
SMALL LOT STAMPING CO	1540 W ELIZABETH AVE	186	653
BRODIE SYSTEM INC	***1539 W ELIZABETH AVE***	***186***	***654***
R&R SALVAGE INC	1537 W ELIZABETH AVE	186	655
PARAMOUNT METAL FINISHING	***1515 WEST ELIZABETH AVE***	***186***	***657***
MICROCAST CO INC	1515 W ELIZABETH AVE	186	663
DOCK RESINS CORP	***1512 ELIZABETH AVE W***	***186***	***678***
MALSTROM CHEMICAL CORPORATION	1501 WEST ELIZABETH AVE	186	699
PRECISION MARKING CORP	1501 W ELIZABETH AVE	186	699
EMERY INDUSTRIES INCORPORATED	***1501 WEST ELIZABETH AVE***	***186***	***699***
TETLEY INCORPORATED	***720 WEST EDGAR ROAD***	***187***	***700***
CAMIN CARGO CONTROL INC	***230 MARION AVE***	***189***	***715***
ENVIRONMENTAL MANAGEMENT SERVI	230 MARION AVE	189	715
499 BOOTH COURT	499 BOOTH CT	190	715
CAMBRIDGE CHEMICAL CLEANING IN	***11 W 21ST ST***	***191***	***719***
NORTH AMERICAN STEEL PRODUCTS	200 MARION AVE	192	721
SUBURBAN SIGN CO INC	210 MARION AVE	192	721
SCREEN TECH INC	1800 W BLANCKE ST	193	722
ARISTECH CHEMICAL CORP	1605 ELIZABETH AVE WEST	200	734
JOBE INDUSTRIES INC	1600 W ELIZABETH AVE	200	734
BASIC FORMULATIONS	***1600 W ELIZABETH AVE***	***200***	***734***
JOBE INDUSTRIES INC	1599 WEST ELIZABETH AVE	200	738
MATHER SPRING CO SITE	***2300-2350 S WOOD AVE***	***202***	***740***
MALONE CHEMICAL INC	***130 MARION AVE***	***203***	***742***

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Site	Address	Map ID	Page
DISTILLERS COMPANY LIMITED	800-840 WEST EDGAR ROAD	204	744
INDUSTRIAL MACHINE & ENGR CO I	***1807 W ELIZABETH AVE***	***206***	***744***
RAHWAY IMPORT AUTO	1710 W ELIZABETH AVE	206	756
CHEMICAL SERVICES INC	1711 W ELIZABETH AVE	206	756
UNITED STATES STEEL (USS) CHEM	***1711 W ELIZABETH AVE***	***206***	***756***
SERVICE STATION	***1710 WEST ELIZABETH AVE***	***206***	***766***
LINDEN CITY FIREHOUSE #4	2400 S WOOD AVE	208	786
2359 WHITTIER STREET	2359 WHITTIER ST	209	791
HELICOPTER SERVICES INC	***HANGAR 3 LINDEN AIRPORT***	***211***	***797***
LEES INDEPENDENT AUTO SERVICE	1800 W ELIZABETH AVE	212	801
LEASEWAY MOTORCAR TRANSPORT	***1001 WEST LINDEN AVENUE***	***214***	***805***
REPUBLIC MOLD & TOOL CO INC	109 BRADFORD AVE	215	806
GM ASSEMBLY DIV	***1016 W EDGAR RD***	***218***	***907***
SCOTTS SERVICE CENTER	473 W SCOTT AVE	219	929
MAXIMUS CLEANER	***2325 ELIZABETH AVENUE***	***220***	***929***
LINDEN MUNICIPAL AIRPORT	1101 W EDGAR RD	222	931
GENERAL MOTORS LINDEN COGENERA	301 PLEASANT ST	224	935
QUIXX LINDEN COGENERATION FACI	301 PLEASANT STREET	224	936
ELIZABETHTOWN GAS CO NUI	301 PLEASANT ST	224	948
811 SMITH STREET	811 SMITH ST	227	967
A&A CHEMICALS CORP	***293 WAITE AVE***	***228***	***967***
255 WAITE AVENUE	255 WAITE AVE	230	969
LIQUID CARBONICS CORP	2110 ALLEN ST	231	971
MARGON CORPORATION	***2195 ELIZABETH AVE***	***232***	***972***
RUSSELL,ERNEST M	2095 PRICE ST	233	973
APPLE TIRE & AUTO SERVICE	260 W SCOTT AVE	234	976
GENERAL MAGNAPLATE CORPORATION	***1331 US ROUTE 1***	***236***	***983***
NEW DIRECTIONS IN MARBLE DESIG	2083 ELIZABETH AVE	239	991
UNIQUE PRECISION CO	***2095 ELIZABETH AVE***	***239***	***991***
LINDN MUNICIPAL AIRPORT	***RTE 1 N***	***241***	***998***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
BOLL PARTNERSHIP	***1200 SYLVAN ST BLOCK 58***	***243***	***1048***
SAFETY - KLEEN CORP - LINDEN R	***1200 SYLVAN ST***	***243***	***1053***
PRO PLASTICS INC	1190 SYLVAN ST	243	1187
INSPECTORATE AMERICA CORP	***1180 SYLVAN ST***	***243***	***1188***
UNION COUNTY OF	***126 E LINCOLN PARKING L***	***245***	***1196***
GENES AUTO BODY	***2011 ELIZABETH AVE***	***248***	***1432***
UNIQUE METAL PRODUCTSCO INC	17 W SCOTT AVE	250	1432
AIRTEC INC	17 W SCOTT AVE	250	1432
HOLLER METAL FABRICATORS INC	39 W SCOTT AVE	250	1435
TEXAS EASTERN LINDEN GARAGE	***LOWER RD & PARKWAY AVE***	***253***	***1449***
HOLLER METAL FABRICATORS INC	1901 ELIZABETH AVE	257	1457
CULVER GLASSWARE CO INC	***1905 ELIZABETH AVE***	***257***	***1457***
RAHWAY CITY HOUSING AUTH	224 W GRAND AVE	258	1458
GAIR MARK PRESS INC	1839 ELIZABETH AVE	259	1459
J&R MACHINE & TOOL CO	1850 ELIZABETH AVE	259	1459
WINGFOOT COMMERCIAL TIRE SYSTE	1859 ELIZABETH AVE	259	1459
SIEMENS ENERGY & AUTOMATION SE	***1600 E HWY 1***	***263***	***1464***
YOUR CLEANERS INC	***1721 IRVING ST***	***265***	***1470***
J&S LEE CLEANERS	1725 IRVING ST	265	1471
RHODES PLASTICS	***1075 EDWARD ST***	***268***	***1479***
EXPRESS SHIPPING SERVICE INC	1075 EDWARD ST	268	1480
LINDEN CITY OF DPW	***700 LOWER ROAD***	***269***	***1486***
LINDEN CITY DPW GARAGE	700 LOWER RD	269	1489
DASON STAINLESS PRODUCTS CO	***1773 ELIZABETH AVE***	***270***	***1489***
1065 EDWARD STREET DRUMS	1065 EDWARD ST	271	1489

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WRISCO INDUSTRIES INC	1065 EDWARD ST	271	1489
AMERICAN CABINETRY	1745 ELIZABETH AVE	273	1491
CAMEO METAL FORMS INC	1745 ELIZABETH AVE	273	1491
COPPER ELECTRIC SUPPLY CO	1080 EDWARD ST	275	1494
UNION CNTY ART CENTER	1601 IRVING ST	277	1499
ST MARYS RC CHURCH & SCHOOL	232 CENTRAL AVE	277	1500
ELIZABETHTOWN GAS COMPANY RAHW	219-245 CENTRAL AVENUE	277	1507
ST MARYS SCHOOL	244 CENTRAL AVE	278	1507
SILVER BTK ART INCORPORATED	***205 WEST MAIN STREET***	***280***	***1512***
PRIME PRINTING INC	205 W MAIN ST	280	1512
261 CENTRAL AVENUE	261 CENTRAL AVE	281	1512
RAD & ASSOC INC	2025 LUFBERRY ST	283	1529
BUCKEYE PIPE LINE CO LP LINDEN	***2650 MARSHES DOCK RD***	***284***	***1537***
1610 COACH STREET	1610 COACH ST	287	1555
141 WEST MAIN STREET	141 W MAIN ST	288	1562
LINDEN AUTOMOTIVE SERVICE	1593 ELIZABETH AVE	288	1562
BUCKEYE PIPE LINE COMPANY	***1001 LOWER ROAD***	***291***	***1603***
RAHWAY CITY HOUSING AUTH	165 E GRAND AVE	293	1641
L'OREAL USA INC	***1601 LOWER RD***	***294***	***1642***
SUN PIPE LINE - HARBOR PIPELIN	***1101 LOWER RD***	***295***	***1648***
SQUIRE CORRUGATED CONTAINER CO	***1500 LOWER RD***	***296***	***1663***
RANGE ROAD FOREST	1451 LOWER RD	297	1666
AUTOMATED MODULAR SYSTEMS INC	***1520 LOWER RD***	***298***	***1669***
LANDMARK @ RAHWAY	ELIZABETH AVE & IRVING	300	1674
YMCA OF RAHWAY CITY	1564 IRVING ST	300	1674
B&C SERVICE INC	1506 ELIZABETH AVE	300	1675
CHANDLER BROS UPHOLSTERY CO	1575 IRVING ST	300	1675
EXXON CHEMICAL CO C-O LINDEN W	***1300 LOWER RD BLDG 802***	***301***	***1677***
MITSUBISHI GAS CHEMICAL CO INC	***1300 LOWER RD - SITE 2***	***301***	***1677***
O C G MICROELECTRONIC	***1300 LOWER ROAD***	***301***	***1677***
HEUCOTECH LTD	***1300 LOWER RD BLDG 806***	***301***	***1678***
OLIN CORP	***1300 LOWER RD***	***301***	***1680***
UNION CARBIDE	***1300 LOWER ROAD***	***301***	***1680***
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER ROAD***	***301***	***1682***
R T VANDERBILT CO AT LINDEN WH	***1300 LOWER RD BLDG 816***	***301***	***1688***
DEGUSSA CORP	***1300 LOWER RD BLDG 816***	***301***	***1688***
SUMMIT PRECISION POLYMERS CORP	1300 LOWER RD	301	1688
LABS TRUCK REPAIR CO INC	1300 LOWER RD	301	1689
NIACET CORP	1300 LOWER RD	301	1689
JOHNNYS & SONS AUTO BODY	***1677 BRIDGE ST***	***302***	***1689***
FORMERLY BESELER	***1600 LOWER RD***	***305***	***1690***
RAHWAY GERIATRICS CENTER INC	1777 LAWRENCE ST	307	1693
ALL CHEMICAL TRANSPORT CORP	***1544 IRVING ST***	***308***	***1694***
POWER DRAULICS NIELSEN INCORPO	670 EAST LINCOLN AVENUE	311	1704
DEPENDABLE AUTO SHIPPERS INC	1701 LOWER RD	312	1704
HUFFMAN KOOS	***1800 LOWER RD - SITE 2***	***313***	***1712***
TEXAS EASTERN PIPELINE COMPRES	***LOWER RD & RANGE RD***	***313***	***1740***
RAHWAY SAVINGS INSTITUTION	1500 IRVING ST	315	1759
UNITED NATURAL TRADING CO	700 E LINCOLN AVE	317	1774
PSE&G RAHWAY SUBSTATION	MONROE ST & CLARKSON AV	319	1783
LINDEN CITY MUNICIPAL GARAGE	1901 LOWER RD	320	1785
TURTLE & HUGHES INC	***1900 LOWER RD***	***320***	***1793***
LINDEN CITY DPW GARAGE	1900 LOWER RD	320	1800
RELIANCE EQUIPMENT CO	2122 FELVER CT	322	1815
JAMES WHOLESALE DRUG CO INC	2131 FELVER CT	322	1816
PUNCH PRODUCTS USA INC	2131 FELVER CT	322	1816

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
KAGAN HARRY PROPERTY	MAIN ST & MONROE ST	325	1821
ELECTRO CATHETER CORP	***2100 FELVER CT***	***326***	***1821***
SITE ID 340392001	CITY HALL 1470 CAMPBELL	327	1821
ABATES SERVICE STATION	511 E GRAND AVE	328	1825
KATHY CLEANERS	***499 EAST GRAND AVENUE***	***328***	***1825***
1527 MAIN STREET	1527 MAIN ST	331	1831
RAHWAY CONG OF JEHOVAHS WITNES	2110 BARNETT ST	334	1834
AMERICAN MICA CORP	666 E GRAND AVE	335	1834
GOLF EZE INC	54 W CHERRY ST	337	1843
CLEVELAND TECHNICAL CENTER	***2650 MARSHES DOCK RD***	***339***	***1845***
WELDON ASPHALT CO	***2000-2651 MARSHES DOCK***	***339***	***1845***
GIACOBBE & SONS CONTRACTOR INC	75 E CHERRY ST	340	1848
EXXON CO USA 39831	***1950 RT 1/9***	***341***	***1848***
MHC MESSENGERS INC	1600 ESSEX ST	342	1851
GETTY SERVICE STATION 001903-4	***1809 RTE 1 & 9***	***345***	***1859***
RAGNAR LARSON	698 E GRAND AVE	346	1863
A&M INDUSTRIAL SUPPLY CO	1414 CAMPBELL ST	348	1864
TRINITY CHURCH	1428 MAIN ST	349	1866
MOBIL OIL CORP SS C9B	***1948 RTE 1***	***351***	***1872***
RAHWAY AUTO SUPPLY & SERVICE C	12 W MILTON AVE	352	1883
RAHWAY CITY OF FORMER GASOLINE	***80 E MILTON AVE***	***355***	***1891***
AUTOMOTIVE ANALYSIS	80 E MILTON AVE	355	1891
FULTON CLEANERS	***45 E MILTON AVE***	***355***	***1894***
US POSTAL SERVICE RAHWAY POST	123 E MILTON AVE	356	1896
1877 LENINGTON STREET	1877 LENINGTON ST	358	1904
RAHWAY CITY HALL	E MILTON & MAIN ST	359	1908
CHEVRON USA INC	***MARSHES DOCK ROAD***	***364***	***1919***
SITE ID 340392003	RAHWAY FIRE DEPT, 1300	370	1932
RAHWAY CITY FIRE DEPT	1300 MAIN ST	370	1934
RAHWAY YACHT CLUB	1706 PATERSON ST	371	1952
HUNTER AUTO COLLISION	***409 JOHNSON ST***	***376***	***1970***
BACKSTREET AUTO BODY	409 JOHNSON ST	376	1971
WALL STREET PROPERTY	1935 WALL ST	380	1977
BELL SAAB HYUNDAI SUZUKI	1453 LAWRENCE STREET	383	1981
SECOND PRESBYTERIAN CHURCH	***1221 NEW BRUNSWICK AVE***	***385***	***1988***
MID INVESTMENT CO	***1550 RTE 1***	***386***	***1989***
UNION COUNTY OF PARKS & RECREA	***ST GEORGES AVE RAHWAY R***	***390***	***2000***
UNION COUNTY UTILITIES AUTH	***1499 RTE 1***	***390***	***2001***
UNION COUNTY RESOURCE RECOVERY	***LAWRENCE ST & RTE 1***	***393***	***2022***
RIVERDALE MANAGEMENT ASSOC	1118 MAIN ST	395	2032
312 WILLIAM STREET	312 WILLIAM ST	397	2040
RAHWAY INDUSTRIAL ASSOCIATES	***1572-76 HART ST***	***406***	***2150***
DIXON VALVE & COUPLING CO	1600 HART ST	406	2155
EXIDE RAHWAY SERVICE CENTER	***1600 HART ST***	***406***	***2157***
QUALITY TANK CLEANING SERVICE	1603 HART ST	406	2180
UNIVERSAL TRACTOR TRAILER MAIN	1603 HART STREET	406	2180
QUADREL BROTHERS TRUCKING COMP	***1603 HART STREET***	***406***	***2180***
QUALA SYSTEMS INC	***1045 E HAZELWOOD AVE***	***406***	***2264***
UNION MIDDLESEX INC MEDICAL	1044 E HAZELWOOD AVE	406	2288
JOHN KOPAC FLEET REPAIR INC	1045 E HAZELWOOD AVE	406	2290
RAHWAY VALLEY SEWERAGE AUTHORI	***FOOT OF E HAZELWOOD AVE***	***406***	***2467***
LAMINAIRE CORPORATION	***960 EAST HAZELWOOD AVE***	***408***	***2861***
CITY TESTING RESEARCH LABS INC	967 E HAZELWOOD AVE	408	2861
1073 LEESVILLE AVENUE	1073 LEESVILLE AVE	409	2862
BRAKE SHOP THE	***373 E HAZLEWOOD AVE***	***409***	***2863***
MITO PACKAGING	1296 LAWRENCE ST	410	2864

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
G&L TOOL CO	1441 WITHERSPOON ST	411	2867
CARTERET BORO BD OF ED MINUE E	83 POST BLVD	412	2867
US ENGINEERING LABORATORY INC	903 E HAZELWOOD AVE	413	2867
PEARSE FLUID IND	907 E HAZELWOOD AVE	413	2868
MAILERS INC	915 E HAZELWOOD AVE	413	2873
ALLSTATE POWER VAC INC	***928 E HAZELWOOD AVE***	***413***	***2874***
CLEAN HARBORS INC	928 E HAZELWOOD AVE	413	2888
WITHERSPOON	1421 WITHERSPOON ST	416	2890
FUGLE MILLER INC	1401 WITHERSPOON ST	421	2903
OXFORD SUPERCONDUCTING TECHNOL	55 MILEED WAY	424	2907
NATIONAL AIR & HYDRAULIC CO IN	***1385 WITHERSPOON ST***	***426***	***2908***
WYTECH INDUSTRIES INC	1467 PINEWOOD ST	429	2914
OAK TREE CLEANERS INC	***1475 PINEWOOD ST***	***429***	***2914***
ALEXANDRIA PLASTIC MOLDING & M	1475 PINEWOOD ST	429	2915
KORELL INDUSTRIES	***36 MILEED WAY***	***431***	***2917***
KORELLE INDUSTRIES INCORPORATE	36 MILEED WAY	431	2922
ATLANTIC CORDAGE CORP	35 MILEED WAY	431	2922
KORELLE INDUSTRIES	36 MILEED WAY	431	2922
RAHWAY CITY DPW GARAGE	999 HART ST	433	2924
GLOBAL RECYCLING TECHNOLOGIES	1435 PINEWOOD ST	435	2937
KAPPA NETWORKS INC	***1443 PINEWOOD ST***	***435***	***2938***
ONYX SPECIAL SERVICES INC	***1453 PINEWOOD ST***	***435***	***2939***
ISFEL CO INC	900 HART ST	437	2944
WALL TRENDS INC	***17 MILEED WAY***	***438***	***2948***
ABLE FAB CO	18 MILEED WY	438	2950
AQUA THERM PRODUCTS CORP	1421 PINEWOOD ST	440	2956
BABEK COMMERCIAL TIRE	12 MILEED WAY	443	2959
BABEK COMMERCIAL TIRE SERVICE	12 MILEED WAY	443	2960
PRIDE SOLVENTS & CHEMICAL COMP	***211 RANDOLPH AVENUE***	***444***	***2960***
BRITE SOL CLEANING	***57 RANDOLPH RD***	***444***	***2967***
HIGH VOLTAGE ENGINEERING CORP	***RANDOLPH ST & HART ST***	***444***	***2973***
VALMET MHE INC	***2520 RANDOLPH AVE***	***445***	***2975***
RCA SERVICE CO CONSUMER SERVIC	2520 RANDOLPH AVE	445	2976
METRO 3 FUEL INC SERVICE STATI	2540 RANDOLPH AVE	445	2977
EXXON CO USA 32583	***2540 RANDOLPH AVE***	***445***	***2979***
AVIONICS INSTRUMENTS INC	***1414 RANDOLPH AVE***	***448***	***3015***
GLASCO INC.	***1161 WOODBRIDGE RD***	***452***	***3021***
1242 CLARK STREET	1242 CLARK ST	454	3022
76 FREDERICK STREET	76 FREDERICK ST	456	3030
NJDMV RAHWAY FIELD INSTALLATIO	1140 WOODBRIDGE RD	459	3033
ORANGE PLASTICS CO	***1140 RANDOLPH AVE***	***460***	***3034***
ROQUE FERNANDO - JOHNSON SMITH	***880 ELSTON ST***	***462***	***3038***
GIRARD EQUIPMENT INCORPORATED	***1004 ROUTE 1***	***464***	***3059***
BABINEC SHEET METAL	***774 MARTIN ST***	***469***	***3071***
LINCOLN MARBLE WORKS	785 MARTIN ST	469	3072
TREND MACHINE INC	793 MARTIN ST	469	3072
ASTRO TOOL & MACHINE CO INC	810 MARTIN ST	469	3075
INMAN MOLD MFG INC	815 MARTIN ST	469	3076
ELECTRUM RECOVERY WORKS INCORP	***827 MARTIN STREET***	***469***	***3077***
SUMMIT FINISHING INC	***767 LEESVILLE AVE***	***469***	***3079***
GARY SHEET METAL CO INC	856 ELSTON ST	471	3082
TECHNICK PRODUCTS INCORPORATED	665 MARTIN STREET	474	3097
MIDDLESEX CUSTOM INTERIORS	665 MARTIN ST	474	3097
SEICKEL & SON INC	665 MARTIN ST	474	3097

EXECUTIVE SUMMARY

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 09/08/2004 has revealed that there are 10 HMIRS sites within the searched area.

Site	Address	Map ID	Page
Not reported	1512 WEST ELIZABETH AVE	194	723
Not reported	1200 SYLVAN ST	243	1050
Not reported	1200 SYLVAN STREET	243	1052
Not reported	1200 SYLVAN ST	243	1095
Not reported	1200 SYLVAN ST	243	1123
Not reported	1200 SYLVAN ST	243	1152
Not reported	1200 SYLVAN STREET	243	1152
Not reported	1200 SYLAN STREET	243	1153
Not reported	1200 SYLVAN STREET	243	1166
Not reported	1200 SULVAN ST	243	1166

MLTS: The Material Licensing Tracking System is maintained by the Nuclear Regulatory Commission and contains a list fo approximately 8,100 sites which possess or use radioactive materials and are subject to NRC licensing requirements.

A review of the MLTS list, as provided by EDR, and dated 11/30/2004 has revealed that there are 3 MLTS sites within the searched area.

Site	Address	Map ID	Page
MERCK & CO., INC.	156 E. LINCOLN AVENUE	251	1436
EPSTEIN M.D., STEFAN ELLIS	1447 MAIN STREET, BOX A	349	1870
U.S. ENGINEERING LABORATORIES,	903 EAST HAZELWOOD AVEN	413	2868

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 09/30/2004 has revealed that there are 3 PADS sites within the searched area.

Site	Address	Map ID	Page
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
TEXAS EASTERN PIPELINE COMPRES	***LOWER RD & RANGE RD***	***313***	***1740***
ALLSTATE POWER VAC INC	***928 E HAZELWOOD AVE***	***413***	***2874***

RAATS: The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there are 2

EXECUTIVE SUMMARY

RAATS sites within the searched area.

Site	Address	Map ID	Page
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
SAFETY - KLEEN CORP - LINDEN R	***1200 SYLVAN ST***	***243***	***1053***

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2002 has revealed that there are 9 TRIS sites within the searched area.

Site	Address	Map ID	Page
ELF LUBRICANTS NORTH AMERICA	***5 NORTH STILES STREET***	***98***	***271***
HONEYWELL GNI	1525 W. BLANCKE ST.	161	551
DOCK RESINS CORP	***1512 ELIZABETH AVE W***	***186***	***678***
PARAMOUNT METAL FINISHING	1515 W ELIZABETH AVE.	194	722
GM ASSEMBLY DIV	***1016 W EDGAR RD***	***218***	***907***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
METRO PRIDE L.L.C.	36 MILEED WAY	431	2922
PRIDE SOLVENTS & CHEMICALS CO.	211 RANDOLPH AVE.	444	2960
ELECTRUM RECOVERY WORKS INCORP	***827 MARTIN STREET***	***469***	***3077***

TSCA: The Toxic Substances Control Act identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site. The United States Environmental Protection Agency has no current plan to update and/or re-issue this database.

A review of the TSCA list, as provided by EDR, and dated 12/31/2002 has revealed that there are 2 TSCA sites within the searched area.

Site	Address	Map ID	Page
COOKS INDUSTRIAL	5 N STILES ST	98	287
MERCK AND CO INC	126 E LINCOLN AVE	246	1276

SSTS: Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

A review of the SSTS list, as provided by EDR, and dated 12/31/2003 has revealed that there are 5 SSTS sites within the searched area.

Site	Address	Map ID	Page
BLUE RIBBON POOL	***102 E EDGAR RD***	***71***	***201***
PIC CORP	1101-1107 W ELIZABETH A	131	425

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
CHEMICAL SERVICES INC. (CSI)	1711 W ELIZABETH AVE	212	798
MERCK & CO. JEAN H. BYRNES, WS	126 E LINCOLN AV	246	1279
MERCK & CO., INC.	126 E LINCOLN AV	246	1281

FTTS: FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS INSP list, as provided by EDR, and dated 04/13/2004 has revealed that there are 14 FTTS INSP sites within the searched area.

Site	Address	Map ID	Page
XPORT SERVICES, INC	340 SOUTH STILES ST	126	381
SOLAR COMPOUNDS CORP.	1201 WEST BLANCKE ST	129	386
ITS CALEB BRETT	333 DALZIEL RD	144	473
COLORCO, INC	1261 WEST ELIZABETH AVE	154	509
COLORCO, INC	1261 W ELIZABETH AVE	154	509
A&A CHEMICALS CORP	***293 WAITE AVE***	***228***	***967***
SAFETY-KLEEN CORP	1200 SYLVAN ST	243	1088
SAFETY-KLEEN CORP (LINDEN)	1200 SYLVAN ST	243	1125
MERCK & CO, INC	126 EAST LINCOLN AVE	246	1349
MERCK & CO	126 EAST LINCOLN AVE	246	1350
LINDEN WAREHOUSE AND DISTRIBUT	1300 LOWER RD	295	1647
LINDEN MOTOR FREIGHT CO	1300 LOWER RD	295	1647
LINDEN MOTOR FREIGHT CO	1300 LOWER ROAD	295	1647
SUMMIT FINISHING, INC	767 LEESVILLE AVE	469	3079

STATE OR LOCAL ASTM SUPPLEMENTAL

NJ Maj Facilities: 'Major Facility' means all facilities, located on one or more contiguous or adjacent properties owned or operated by the same person, having total combined storage capacity of: 1) 20,000 gallons or more for hazardous substances other than Petroleum or petroleum products; 2) 200,000 gallons or more for hazardous substances of all kinds.

A review of the NJ MAJOR FACILITIES list, as provided by EDR, and dated 01/02/2002 has revealed that there are 11 NJ MAJOR FACILITIES sites within the searched area.

Site	Address	Map ID	Page
ELF LUBRICANTS NORTH AMERICA	***5 NORTH STILES STREET***	***98***	***271***
GOMAR NATIONAL INDUSTRIES	1515 W. BLANCKE STREET	161	546
JOBE INDUSTRIES INC	1600 W ELIZABETH AVE	200	736
CHEMICAL SERVICES, INC.	1711 W ELIZABETH AVENUE	206	760
GENERAL MOTORS - LINDEN ASSEMB	***1016 WEST EDGAR ROAD***	***218***	***869***
GENERAL MOTORS LINDEN COGENERA	***301 PLEASANT STREET***	***224***	***934***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
SAFETY-KLEEN SYSTEMS, LINDEN R	1200 SYLVAN STREET	243	1122
BUCKEYE PIPE LINE CO LP LINDEN	***2650 MARSHES DOCK RD***	***284***	***1537***
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER RD***	***301***	***1680***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
TR-METRO CHEMICALS INC	36 MILEED WAY	431	2918

NJ SPILLS: All hazmat known or unknown spills to the ground reported to the DEP's Env. Action Line. The office has not conducted any investigations to determine it's validity or accuracy.

A review of the NJ Spills list, as provided by EDR, has revealed that there are 511 NJ Spills sites within the searched area.

Site	Address	Map ID	Page
NEAR DALZIEL RD+	ON 140 W.BLANCKE ST	2	3
TADEUSZ KWIECEIN RESIDENCE	103 W.PRICE ST	7	8
PLANTRONICS INC	***301 COMMERCE RD***	***8***	***15***
PLATRONICS	301 COMMERCE RD	8	29
PLATRONICS INC	***301 COMMERCE RD***	***8***	***30***
DIBERADINO RESIDENCE	141 EAST MUNSELL AVE	11	50
RESID	141 E. MUNSELL AVE	11	56
BEHIND TRAIN STATION	3 SO. WOOD AVE	16	60
RESIDENCE	151 E.STIMPSON AVE	17	64
ALLIED BUILDERS SUPPLY	***101 W ELIZABETH AVE***	***18***	***66***
RESIDENCE	***211 WEST BLANKE ST***	***19***	***72***
VANTAGE SERVICE STATION	E. EDGAR RD/INDUSTRIAL	20	84
US 1 DINER	401 EAST EDGAR RD	20	86
MIKE FUEL OIL CO	401 EAST EDGAR RD	20	88
RESIDENCE	1119 FOREST DR	26	93
BETW MORRIS & LINDEN AVES ON	WOOD AVE	31	99
ON ROADWAY	321 E.EDGAR RD	32	100
RESIDENCE	800 W. HENRY ST	33	102
IN ROADWAY	205 SOUTH WOOD AVE	34	103
LINDCREST APARTMENTS	***1116 NO STILES ST***	***36***	***107***
LINDCREST ASSOCIATES	***1116 STILES AVE N***	***36***	***110***
GULF SERVICE STATION #120261	***930 WEST ST GEORGES AV***	***39***	***115***
POLE # 62654	208 WEST ELIZABETH	40	117
REC DEPT MAINT BLDG LINDEN	SO WOOD-MUNSELL AVE	41	119
ST.THERESA OF THE CHILD JESUS	138 LIBERTY AVE	46	124
RESIDENCE OF EDMOND KUSHNER	23 EAST STEMPSON AVE	48	126
SUNCO SERV STN #0006-9732	***999 WEST ST GEORGE AVE/***	***49***	***131***
TRACKSIDE COLLISION	10 LUMBEER ST	50	146
ROADWAY	RT 1 N / WOODLAWN AV	51	147
RESIDENCE	743 ERCAMA ST	52	149
TWIN GULF STATION	998 ST GEORGE WEST	55	151
DP COLONIA ASSOC	1015 ST GEORGES AVE	57	154
KOENIG IND SUPPLY	419-501 W.ELIZABETH	58	160
STRIP MALL	821 NO. STILES ST	63	170
VACANT MIXED USE BUILDING	126 E.EDGAR RD	65	185
NEXT TO ACE WALKER	138 E EDGAR RD	65	186
RESIDENCE AT	409 MILTONIA ST	67	188
Not reported	1103 W. HENRY ST	70	198
Not reported	1103 W. HENRY ST	70	199
ZAVERZENCE RESIDENCE	922 CLINTON ST	72	204
RESIDENCE	1000 CLINTON ST	75	207
LINDEN CAR CARE CENTER	***633 ELIZABETH AVE W***	***77***	***209***
RESIDENCE AL KRAWEC	616 WEST ELIZABETH AVE	77	212
ON ROADWAY	STILES/FULLER RD	78	220

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
ON ROADSIDE	1200 FULLER RD	78	222
IN STORM SEWER IN FRONT OF	301 W. LINDEN AVE	80	225
REXFORD PAPER CO.	531 NO. STILES ST	83	230
REXFORD PAPER CO.	531 NO. STILES ST	83	235
ROADWAY	900 BLK.SOUTHWOOD	86	238
SHELL GAS STN # 22944400104	RT 1 / S. WOOD	86	241
SHELL STATION	RT1 / WOOD	86	242
EXXON STATION	11 E EDGAR RD/ RT 1	87	245
EXXON STATION #38556	ROUTE 1 / WOOD AVE	87	247
EXXON	11 E EDGAR RD	87	248
EXXON SER. STATION #38556	RT.1 / WOOD AVE	87	251
VACANT LOT	308 W MORRIS AVE	91	255
ATLANTIC PETROLEUM	***801 W. ELIZABETH AVE***	***95***	***259***
SONOL GAS	801 W. ELIZABETH AVE	95	262
CITGO GAS STATION	801 WEST ELIZABETH AVE	95	265
SONOL GAS	801 W. ELIZABETH AVE	95	266
SONOL GAS	801 W. ELIZABETH AVE	95	268
ELF LUBRICANTS NORTH AMERICA	***5 NORTH STILES STREET***	***98***	***271***
ELF LUBRICANTS	5 NORTH STILES	98	285
FORMER AMERICAN FLANGE CO.	403 AMON TER.	100	288
PHIL KIELBASA RESIDENCE	224 COOLRIDGE ST	101	290
CREEK	203 COOLIDGE STREET	101	296
RESID	135 S. STILES ST	103	297
IN FRONT OF	912 ROSS ST	106	306
AREA OF	926 ROSS ST	106	308
Not reported	937 ROSS AVE	106	309
IN PARKING LOT AT	107 W. EDGAR	109	313
VACANT LOT	107 WEST EDGAR RD	109	316
ALLSTATE POWER VAC	***530 WEST LINDEN AVENUE***	***111***	***320***
RWENCH TRANSPORTATION	530 W. LINDEN AVE	111	328
HOWARD SOBER INC	***530 LINDEN AVE W***	***111***	***330***
RESIDENCE	12 W. 12TH ST	114	337
RESIDENCE	12 W. 12TH ST	114	339
RESIDENCE	12 W. 12TH ST	114	340
RESIDENCE	12 W. 12TH ST	114	342
GENERAL MOTORS	216 WEST EDGAR RD	120	351
Not reported	330 S STILES ST	121	359
Not reported	330 S STILES ST	121	362
Not reported	330 S STILES ST	121	363
Not reported	330 S STILES ST	121	365
Not reported	330 S STILES ST	121	366
RESIDENCE	49 W. 12TH ST	123	373
BROOKSIDE GARDEN APTS	1350 SO. WOOD AVE	125	375
BROOKSIDE GARDEN APTS	1350 SO. WOOD AVE	125	377
BROOKSIDE GARDEN APTS	1350 SO. WOOD AVE	125	378
BROOKSIDE GARDEN APTS	1350 SO. WOOD AVE	125	380
ANTONIO MEDINA	1201 W BLANKEY ST	129	383
SOLAR COMPOUND	1201 WEST BLANKE ST	129	389
SOLAR COMPOUNDS CORP	***1201 WEST BLANCKE ST***	***129***	***392***
SOLAR COMPOUND CORP	1201 W BLANCKE ST	129	396
SOLAR COMPOUNDS COMPANY	1201 W BLANCKE ST	129	398
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
CONRAIL LINDEN RAILYARDS	602 W.LINDEN AVE	130	412
LINDEN ASSOC LLC /WAREHOUSE	601 WEST LINDEN AVE	130	414
HOWARD PRESS	1101 W. ELIZABETH AVE	131	424
SOLAR COMPOUNDS	***1201 W. BLACKE ST***	***132***	***427***

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Site	Address	Map ID	Page
A & R REALTY COMPANY	345 DALZIEL RD	134	444
HANSOME ENERGY SYSTEMS	***361 DALZIEL RD***	***134***	***448***
RESIDENCE AT	1323 WINANS AVE	135	451
YAROSH RESIDENCE	672 AUDREY DR	136	457
LEVITZ FURNITURE	429 RT 1 SO	137	459
RESIDENCE	662 CORA PL	141	463
UTILITY POLE NEAR	18TH ST / CLINTON AVE	142	464
WILLIAM MCCULLOUGH TRUCKING	***340 STILES ST***	***143***	***465***
IN THE AREA OF	SOUTH STILES RD / WEST	146	477
IN THE AREA OF	STYLES AVE / EDGAR	151	485
RESIDENCE	1502 WINANS AVE	153	492
RESIDENCE	1502 WINANS AVE	153	494
Not reported	W 15TH ST/WYNANS AVE	153	498
Not reported	W 15TH ST/WYNANS AVE	153	500
Not reported	W 15TH ST/WYNANS AVE	153	507
COLORCO INCORPORATED	***1261 W ELIZABETH AVE***	***154***	***512***
HYDRO GROUP INC	***1250 W ELIZABETH AVE***	***154***	***516***
HYDROGROUP	1250 W ELIZABETH AV	154	526
AREA OF	***397 W 12TH ST***	***155***	***528***
RESIDENCE OF	***1313 MOPSICK AVE***	***156***	***532***
AT THE RESIDENCE OF	2254 LUDLOW ST	157	535
CLOTILDE CALLAHAN RESIDENCE	1401 EDDY AVE	159	537
RESYN CORP	***1540 W BLANCKE ST***	***161***	***539***
RESYN CORP	1514 W BLANCKIE ST	161	541
HERBERT LUTZ CO	2020 CLINTON ST	162	559
IN AREA OF	1301 WEST ELIZABETH	163	562
FLOMART	1301 W. ELIZABETH	163	564
ALDEN APARTMENTS	***539-545 ALDEN DR***	***166***	***571***
APT BUILDING	552 A ALDEN DR	167	575
RESIDENCE	729 W.LINCOLN AVE	168	576
AREA OF	1400 W.ELIZABETH	171	581
AREA OF	1400 WEST ELIZABETH	171	583
SOLO FURNITURE	1400 W. ELIZABETH AV	171	586
RESIDENCE	323 W. 15TH ST	172	587
RESIDENCE	2350 KNAPP DR	176	595
CITGO STATION	***2030 S WOOD AVE***	***178***	***597***
CORNER FUEL STOP	2030 SO. WOOD AVE	178	599
CORNER FUEL STOP GAS STATION	2030 SOUTH WOOD AVE	178	604
IN AREA OF	406 W. 15TH ST	179	608
ROADWAY	SOUTHWOOD AVE / 21ST	180	610
A.C. & S. COMPANY	15 E. 21ST ST	180	613
CITGO PETROLEUM	***SOUTH WOOD AVE***	***180***	***618***
IN FRONT OF RESIDENCE AT	1705 WEST BLANCKE ST	184	633
OWENS NEW WORLD TRUCKING	1700 WEST BLANCKE ST	184	636
OLD LINDEN AIRPORT	701 WEST EDGAR RD	185	638
OLD LINCOLN AIRPORT	701 WEST EDGAR RD	185	645
R&R SALVAGE	1537 WEST ELIZABETH AVE	186	654
DOCK RESINS	1512 WEST ELIZABETH AV	186	663
DOCK RESINS	***1512 W. ELIZABETH***	***186***	***672***
DOCK RESINS CORP	***1512 ELIZABETH AVE W***	***186***	***678***
DOCK RESINS CORP	***1512 W.ELIZABETH***	***186***	***693***
FACILITY	720 WEST EDGAR RD	187	701
GENERAL MOTORS PLANT	RT# 1 / 9	188	705
GENERAL MOTORS	***RT 1***	***188***	***707***
GENERAL MOTORS PLANT	ROUTE 1-9	188	712
GENERAL MOTORS PLT PARKING LOT	RT 1+9	188	713

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
RESIDENCE	499 BOOTH CT	190	716
ALLSTATE POWER VAC	530 LINDEN AVE	190	717
BUCKEYE PIPELINE	2001 LOWER	196	727
WAREHOUSE	2001 LOWER RD	196	728
ON ROADWAY:	PLEASENT / LINDEN AV	201	738
MALONE CHEMICAL	130 MARION AVE	203	740
MALONE CHEMICAL INC	***130 MARION AVE***	***203***	***742***
ARISTECH CHEMICAL COMPANY	1711 W.ELIZABETH AVE	206	746
CHEMICAL SERV INC.	1711 WEST ELIZABETH AVE	206	749
FORMER AUTO REPAIR SHOP	***1710 W. ELIZABETH***	***206***	***764***
IN FRONT OF FIRE HOUSE	2400 S.WOOD AVE	208	784
FIRE HOUSE #4	2400 SOUTH WOOD AV	208	786
RODRIGUES RESIDENCE	2359 WHITTIER ST	209	788
PAUL & ANNIE RODRIGUES	2359 WHITTIER ST	209	789
LINDEN AIRPORT	***RT 1+ 9***	***211***	***793***
LEES INDEPENDENT AUTO SER.	1800 W.ELIZABETH AVE	212	799
IN FRONT OF #4 FIRE HOUSE	2400 BLK S.WOOD AVE	213	801
RAHWAY IMPORT AUTO REPAIRS	***112 BRADFORD AVE***	***215***	***806***
ROADWAY	2240 ALLEN ST	217	810
GEN. MOTORS CORP.	***1016 W. EDGAR RD***	***218***	***811***
GENERAL MOTORS LINDEN PLT	1016 WEST EDGAR RD	218	814
GENERAL MOTORS CORP.	***1016 W. EDGAR RD***	***218***	***818***
GENERAL MOTORS INC.	1016 WEST EDGAR RD.	218	825
GENERAL MOTORS CORP	***1016 W EDGAR RD***	***218***	***831***
GENERAL MOTORS PLANT	1016 W EDGAR RD	218	850
GENRAL MOTORS	1016 W EDGAR RD	218	853
IN FRONT OF GENERAL MOTORS	1016 W EDGAR RD	218	854
GM CORP	1016 W. EDGAR RD	218	856
GENERAL MOTORS - LINDEN ASSEMB	***1016 WEST EDGAR ROAD***	***218***	***869***
GENERAL MOTORS PARKING LOT	1016 WEST EDGAR RD	218	888
PAINT STORES BLDG	1016 WEST EDGAR RD	218	896
GENERAL MOTORS	***1016 WEST EDGER RD***	***218***	***898***
RESID	811 SMITH ST	227	964
ON ROADWAY:	W. LINCOLN/PRICE ST	229	967
APPLE TIRE AND AUTO SERVICE	***260 WEST SCOTT AVE***	***234***	***973***
CYTEC	FOOT TREMLEY POINT R	235	976
CYTEC INDUSTRIES	***FOOT OF TRIMLE PT RD***	***235***	***978***
APPLE TIRE CO	***222 WEST SCOTT AVE***	***237***	***986***
APPLE TIRE	***WEST SCOTT / PRICE***	***240***	***992***
ROADWAY	RT 1 N / SMITH	241	995
ON ROADWAY	RT 1/SMITH ST	241	997
LINDEN AIRPORT EXIT ON	***RTE 1/9 SOUTH***	***241***	***999***
LINDEN AIRPORT	***RT 1***	***241***	***1007***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
SAFETY KLEEN	1200 SYLVAN	243	1040
SAFETY KLEEN	1200 SYLVAN	243	1042
SAFETY KLEEN	1200 SILVAN ST.	243	1043
SAFETY KLEEN CORP	1200 SILVAN ST	243	1045
SAFETY KLEEN	1200 SYLVAN RD	243	1046
SAFETY KLEEN	1200 SYLVAN	243	1049
SAFETY KLEEN	1200 SYLVAN	243	1050
SAFETY - KLEEN CORP - LINDEN R	***1200 SYLVAN ST***	***243***	***1053***
SAFETY KLEEN	1200 SYLVAN ST	243	1089
SAFETY KLEEN	1200 SYLVAN	243	1090
SAFETY KLEEN	1200 SYLVAN	243	1091
SAFETY KLEEN	1200 SULLIVAN ST	243	1094

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Site	Address	Map ID	Page
SAFETY-KLEEN CORP	1200 SYLVAN ST	243	1096
SAFETY KLEEN CO	1200 SYLVAN STREET	243	1141
SAFETY KLEEN CORP	***1200 SYLVAN ST***	***243***	***1153***
SAFETY KLEEN CORP	SYLVAN AT	243	1168
SAFETY CLEAN CORP	***1200 SYLVAN ST***	***243***	***1170***
GENERAL MAGNUM PLATE	1333 WEST EDGAR RD	244	1190
ON ROADWAY	1331 WEST EDGAR RD	244	1193
MERCK & CO INC	126 E. LINCOLN AVE	246	1206
MERCK	***126 EAST LINCOLN AVE***	***246***	***1208***
MERCK	126 E. LINCOLN	246	1221
MERCK	***126 E LINCOLN AVE***	***246***	***1223***
MERCK	***126 E. LINCOLN***	***246***	***1242***
MERCK INC	***126 EAST LINCOLN AVE***	***246***	***1254***
MERCK & COMPANY	***126 E LINCOLN AVE***	***246***	***1269***
MERCK INC.	126 E.LINCOLN AVE	246	1274
MERCK & COMPANY	126 EAST LINCOLN AVE	246	1276
MERCK & CO.	***126 E.LINCOLN AVE***	***246***	***1282***
MERCK	126 EAST LINCOLN	246	1290
MERCK & CO INC	126 EAST LINCOLN AV	246	1292
MERCK & CO	126 EAST LINCOLN AVE	246	1294
MERCK AND CO	126 EAST LINCOLN AVE	246	1295
MERCK	126 EAST LINCOLN	246	1297
MERCK INC.	126 E. LINCOLN AVE	246	1298
MERCK	126 EAST LINCOLN	246	1300
MERCK INC	126 EAST LINCOLN	246	1302
MERCK	126 EAST LINCOLN	246	1303
MERCK	126 EAST LINCOLN	246	1305
MERCK CO INC	126 EAST LINCOLN AVE	246	1306
MERCK AND CO	126 EAST LINCOLN AVE	246	1308
MERCK & CO. INC.	126 EAST LINCOLN AV	246	1309
MERCK	126 EAST LINCOLN AV	246	1311
MERCK & CO.,INC	126 E. LINCOLN AVE	246	1313
MERCK & COMP	126 EAST LINCOLN	246	1314
MERCK & CO INC	126 E. LINCOLN AVE	246	1316
MERCK	126 E. LINCOLN	246	1317
MERCK & CO INC	126 EAST LINCOLN AVE	246	1319
MERCK	126 E LINCOLN	246	1330
MERCK	126 E. LINCOLN	246	1332
MERCK	126 E.LINCOLN	246	1335
MERCK & CO	***126 E. LINCOLN AVE***	***246***	***1336***
MERCK	126 E. LINCOLN AVE	246	1345
MERCK & COMPANY	126 EAST LINCOLN AVE	246	1347
MERCK & CO	126 EAST LINCOLN AVE	246	1350
MERCK & CO	126 EAST LINCOLN AVE	246	1352
MERCK & CO	126 E LINCOLN	246	1353
MERCK	126 EAST LINCOLN	246	1355
MERCK	126 E.LINCOLN	246	1357
MERCK CO INC	***126 E LINCOLN AVE***	***246***	***1358***
OVERPASS CONST	***RT#17 + LAKE ST***	***246***	***1363***
MERCK	126 EAST LINCON AVE	246	1366
MERCK & COMP INC	126 E LINCOLN AVE	246	1368
MERCK CO	***126 E LINCOLN AVE***	***246***	***1377***
MERCK INC	***126 E LINCOLN AVE***	***246***	***1382***
MERCK & COMP	***126 E LINCOLN AVE***	***246***	***1398***
MERCK & CO	***126 E LINCOLN AVE***	***246***	***1405***
MERCEK & CO	126 E LINCOLN AVE	246	1420

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Site	Address	Map ID	Page
MERECK & CO	123 E LINCOLN AVE	246	1422
MERCK & CO	123 E LINCOLN AVE	246	1424
MERCK INC	BLDG 92	247	1429
MERCK INC.	BLDGE 92 PAD AREA	247	1430
UNION CNTY PROBATION OFFICE	38-40 W.SCOTT PL	250	1433
LINDEN GEN STATION	LOWER RD	253	1438
LINDEN DPW	***LOWER RD***	***253***	***1440***
AT INTERSECTION OF	WEST GRAND / IRVING	254	1449
OVER STORM DRAIN	***1880 ALLEN ST***	***256***	***1452***
RESIDENCE	188 W. GRAND AVE	260	1459
BASEMENT	194 W GRAND AVE	260	1462
IN FRONT OF	1015 EDWARD ST	264	1465
RESIDENCE AT	1709 IRVING ST	265	1467
CARNIVAL CREATIONS	***1050 EDWARDS ST***	***268***	***1474***
CADILLAC PLASTIC	1801 WEST EDGAR RD	272	1490
COOPER ELECTRIC SUPPLY CO	***1080 EDWARD ST***	***275***	***1494***
ABC FURNITURE STORE	1835 WEST EDGAR RD	276	1498
ST MARYS CHURCH	232 CENTRAL AVE	277	1501
ST MARYS SCHOOL	***244 CENTRAL AVE***	***278***	***1507***
PENSKE AUTO LEASING	1701 WEST EDGAR	279	1509
RESIDENCE AT	261 CENTRAL AVE	281	1513
IN FRONT OF	***1779 BRIDGE ST***	***282***	***1516***
BUCKEYE PIPELINE	2650 MARSHES DOCK RD	284	1530
BUCKEYE PIPE LINE CO LP LINDEN	***2650 MARSHES DOCK RD***	***284***	***1537***
NEAR THE INTERSECTION OF	MARSHES DOCK RD/LOWER R	286	1553
IN REAR OF	131 WEST MAIN ST	288	1555
APPT BLDG	141 WEST MAIN ST	288	1560
IN AREA OF	1963 LUFBERRY ST	290	1565
BUCK-EYE PIPE LINE	1001 LOWER RD	291	1567
BUCKEYE PIPE	1001 LOWER RD	291	1569
BUCKEYE PIPELINE CO	1000 LOWER RD	291	1571
BUCKEYE PIPELINE	***1001 LOWER RD***	***291***	***1573***
BUCKEYE PIPELIME	1001 LOWER RD	291	1582
AREA OF	***1001 LOWER RD***	***291***	***1584***
BUCKEYE PIPE LINE	1001 LOWER RD	291	1587
BUCK EYE PIPELINE	***1001 LOWER RD***	***291***	***1594***
BUCKEYE PIPELINE CC	1001 LOWER RD	291	1601
BUCKEYE PIPE LINE COMPANY	***1001 LOWER ROAD***	***291***	***1603***
SOUTH TANK FARM MANIFOLD AREA	1001 LOWER RD	291	1611
BUCKEYE PIPELINE	1001 LOWER ROAD	291	1613
BUCKEYE PIPELINE CO	1001 LOWER RD	291	1620
BUCKEYE PIPELINE	1000 LOWER RD	291	1625
TANK FARM	1001 LOWER RD	291	1629
BUCK EYE	1001 LOWER RD	291	1630
BUCKEYE PIPE LINE	1000 LOWER RD	291	1632
BUCKEYE PIPELINE-YARD	1001 LOWER RD	291	1633
BUCKEYE SYSTEMS	1001 LOWER RD	291	1635
BUCK EYE PIPE LINE	1001 LOWER RD	291	1638
LINDEN MUNICIPAL GARAGE	***1601 LOWER RD***	***294***	***1644***
SUN PIPELINE YARD	1100 LOWER RD	295	1648
BUCKEYE PIPELINE COMPANY	LOWER RD	295	1651
LINDEN CITY DUMP	1501 LOWER RD	296	1652
LINDEN CITY DUMP	1501 LOWER RD	296	1654
SQUIRE CORRUGATED CORP	***1500 LOWER RD***	***296***	***1655***
SQUIRE CORREGATED	***1500 LOWER RD***	***296***	***1658***
LINDEN LANDFILL	***1501 LOWER RD***	***296***	***1660***

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Site	Address	Map ID	Page
LINDEN MOTOR FREIGHT	1400 LOWER RD	299	1672
LINDEN WAREHOUSE/	1300 LOWER RD	301	1675
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER ROAD***	***301***	***1682***
IN REAR OF	1600 LOWER RD	305	1691
HOLLINSHED RESIDENCE	1998 RUTHERFORD ST	309	1695
AMERICAN LEGION	59-63 MAIN ST	310	1700
POWER DRAULICS/NIELSEN	670 EAST LINCOLN AVE	311	1702
TEXAS EASTERN GAS PIPELINE CO	LOWER RD/RANGE DR	313	1709
HUFFMAN KOOS	***1800 LOWER RD - SITE 2***	***313***	***1713***
TEXAS EASTERN LINDEN COMP.	RANGE / LOWER RD	313	1715
DARBY CORP.	1800 LOWER RD	313	1718
HOFFMAN KOOS WAREHOUSE	***1800 LOWER RD***	***313***	***1726***
REAR OF HOFFMAN KOOS WH	***1800 LOWER RD***	***313***	***1734***
CAR WASH	***MAIN+POPLAR ST***	***314***	***1751***
RAHWAY SAVINGS INSITUTION	***1500 IRVING ST***	***315***	***1754***
RAHWAY SAVINGS INSTITUTION	***1500 IRVING ST***	***315***	***1756***
NEXT EXIT CAR WASH	***MAIN ST/POPLAR ST***	***316***	***1759***
AREA OF	1589 MAIN ST	316	1773
HERSHEY INPORT CO INC	***700 E LINCOLN AVE***	***317***	***1775***
HERSHEY IMPORT CO INC	***700 E LINCOLN AVE***	***317***	***1778***
ACCROSS FROM MERCK	1932 RUTHERFORD ST	318	1781
TURTLE HUGHES	1900 LOWER RD	320	1786
IN ROADWAY	1900 LOWER RD	320	1788
TURTLE & HUGHES INC	***1900 LOWER RD***	***320***	***1793***
LINDEN GARAGE	***1901 LOWER RD***	***320***	***1797***
LINDEN DPW GARAGE	1901 LOWER RD	320	1802
RELIANCE EQUIPMENT CO	2122 FELVER CT	322	1813
ROADWAY	RT 1 / E SCOTT AVE	324	1816
MAC DONALDS PARKING LOT	RT 1 / E SCOTT AVE	324	1818
IN PARKING LOT	1541 MAIN ST	325	1819
ROBINSONS	1527 MAIN ST	331	1829
GATEWAY TERM SERVICE	179 LAFAYETTE ST	333	1831
FRONT OF	***47 E CHERRY ST***	***336***	***1834***
RESID GARCIA	77 WEST CHERRY	338	1843
WELDON ASPHALT CO	***2000-2651 MARSHES DOCK***	***339***	***1845***
EXXON STN #39831	1950 RT 1 S AT GRAND	341	1848
COMMERCIAL SITE AT	1600 ESSEX ST	342	1851
AREA OF	IRVING / CHERRY STS	343	1857
ON ROADWAY	RT 1/E. GRAND AVE	345	1860
FRONT OF MOBIL STATION	E GRAND/RT 1 / 9	345	1862
UNITED TRINITY METHODIST CHUR	1428 MAIN ST	349	1865
TRINITY CHURCH	1428 MAIN ST	349	1866
CHINA ART LINEN	1433 MAIN ST	349	1868
VACANT CAR DEALERSHIP	MILTON/BROAD ST	352	1872
RAHWAY AUTO SUPPLY & SERVICES	***12 W. MILTON AVE***	***352***	***1875***
RAHWAY AUTO SUPPLY & SERV. CO.	12 W. MILTON AVE	352	1877
RAHWAY AUTO	12 W. MILTON AVE	352	1878
RAHWAY AUTO	12 MILTON AVE	352	1880
US POST OFFICE	12 E MILTON AVE	352	1882
BUCKEYE PIPLINE COMPANY	2650 MARSHES DOCK RD	353	1883
BUCK EYE PIPE LINE	2650 MARSHES DOCK RD	353	1885
S-N-T- GETTY STATION	1829 RT 1	354	1886
AREA OF	80 E. MILTON AVE	355	1889
VACANT BUILDING	65-73 EAST MILTON AVE	355	1891
GULF OIL TREMINAL	2600 MARSH'S DOCK RD	357	1896
GULF OIL PRODUCTS COMPANY	***MARSHES DOCK RD***	***357***	***1898***

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RESIDENCE	1877 LENNINGTON ST	358	1905
ON ROADWAY AT INTC OF	MAIN ST / E. MILTON	359	1906
FULTON RESTERAUNT	1349 FULTON ST	360	1908
RAHWAY CITY HALL	***1 CITY HALL PLAZA***	***361***	***1909***
IFO LINDEN LANDFILL	LOWER RD	365	1922
LINDEN LANDFILL	***LOWER RD***	***365***	***1924***
ROADWAY	RT 1 / MILTON AVE	366	1925
RAHWAY CITY FIRE DEPARTMENT	***1300 MAIN ST***	***370***	***1929***
RAHWAY DIV OF FIRE	1300 MAIN ST	370	1931
RAHWAY DIV OF FIRE	1300 MAIN ST	370	1934
RAHWAY DIV OF FIRE	1300 MAIN ST	370	1935
RAHWAY DIV OF FIRE	1300 MAIN ST	370	1939
RECKITT & COLEMAN	***799 RT 206***	***371***	***1940***
IN RIVER/NEAR MARINA	***1706 PATERSON ST***	***371***	***1947***
GULF OIL TERMINAL	***2300 MARSHA DOCK RD***	***374***	***1959***
RAHWAY RIVER AT:	***1444 ESSEX ST.***	***375***	***1962***
WILSON TRUCKING	***JOHNSON / ESSEX ST***	***376***	***1966***
PRIVATE RESIDENCE	409 JOHNSON ST	376	1969
MERCK & COMPANY INCORPORATED L	***RANGE RD***	***377***	***1971***
WELDON CONCRETE	***2651 MARSHES DOCK RD***	***378***	***1973***
WALDEN CONCRETE	MARSH'S DOCK RD	378	1975
BUCKEYE PIPELINE	2650 MARSHES DOCK RD	379	1976
MERCK CHEMICAL	END OF RANGE RD	381	1978
EXXON	PARK / RT 1	382	1979
BELL HYUNDAI	***1453 LAWRENCE ST***	***383***	***1982***
BELL MITSUBISHI	1500 RT#1	384	1986
GARDEN STATE BRICKFACE	***1550 RTE 1***	***387***	***1989***
ABANDONED BUILDING AT	1354 ESSEX ST	389	1993
UNION CNTY UTIL AUTH	RT 1	390	1999
UNION COUNTY UTILITIES AUTH	***1499 RTE 1***	***390***	***2001***
ON ROADWAY	RT 1 / HANDCOCK	391	2015
SBP INDUSTRIES	1429 RTE 1	392	2017
ON ROADWAY	RT 1/LAWRENCE ST	393	2023
ROADWAY	RT 1 / LAWRENCE	393	2026
RESIDENCE	***233 WILLIAM ST***	***394***	***2029***
COLONIAL AUTO RENTAL	***1118 MAIN ST***	***395***	***2032***
ALAN MOTOR LINES INC	***RT 1 / 9***	***396***	***2038***
UNION CNTY RES REC	***1499 RT 1 NO***	***400***	***2042***
UNION CNTY REC	1499 RT 1	400	2051
UNION COUNTY RESORCE RECOVERY	RT#1	400	2067
UNION CO RES REC	***1499 RT 1 N***	***400***	***2076***
UNION CNTY RESOURCE RECOVERY	***1499 RT 1***	***400***	***2088***
COVANTA	1499 RT 1 NORTH	400	2120
UNION CNTY UTILITIES	1499 RT 1 / RT 9	400	2127
QUALA SYSTEMS	1045 E. HAZLEWOOD AVE	403	2132
VACANT LOT	END OF ESSEX ST	404	2139
QUALA SYSTEMS INC	1045 E. HAZLEWOOD	406	2144
QUALLA SYSTEMS	1045 E. HAZLEWOOD	406	2151
QUALA SYSTEM INC	1045 EASTHAZELWOOD AVE	406	2176
TRUCKING FACILTY	HART ST / E HAZELWOOD	406	2189
ON ROADWAY	E HAZELWOOD/HART AVE	406	2190
QUALA SYSTEMS	1045 E. HAZLEWOOD	406	2193
QUALA SYSTEMS INC	1045 E. HAZELWOOD AVE	406	2196
QUALA SYSTEMS INC.	1045 HAZELWOOD AV	406	2200
QUALA SYSTEMS	1045 E HAZELWOOD AVE	406	2203
QUALA SYSTEMS	1045 EAST HAZELWOOD AVE	406	2210

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UNION MIDDLESEX IND MED CLINIC	1044 E HAZELWOOD AVE	406	2217
QUALA SYSTEMS INC.	1045 E.HAZELWOOD AVE	406	2218
QUALA SYSTEMS INC PARKING LOT	1045 HAZELWOOD AVE	406	2221
QUADREL BROS TRUCKING	1045 E HAZELWOOD AVE	406	2224
QUALA SYSTEMS INC	***1045 E.HAZELWOOD AVE***	***406***	***2225***
QUALA SYSTEMS INC.	1045 EAST HAZELWOOD AVE	406	2235
QUALA SYSTEM INC	1045 E. HAZELWOOD AVE	406	2241
QUADREL BROTHERS	***1045 E. HAZELWOOD***	***406***	***2245***
QUALA SYSTEMS	***1045 E. HAZELWOOD AVE***	***406***	***2248***
QULA SYSTEMS INC.	1045 EAST HAZELWOOD AVE	406	2262
QUALA SYSTEMS INC	***1045 E HAZELWOOD AVE***	***406***	***2264***
QUADRELL BROS TRUCKING	***1045 E. HAZELWOOD AVE***	***406***	***2272***
QUARDREL BROS	1045 E HAZELWOOD AVE	406	2286
QUAL.SYS.INC.	1045 E.HAZELWOOD AVE	406	2288
RAHWAY VALLEY SA	***1050 EAST HAZELWOOD AV***	***406***	***2368***
R.V.S.A.	***1050 E HAZELWOOD AVE***	***406***	***2456***
RAHWAY VALLEY SEWERAGE AUTHORI	***FOOT OF E HAZELWOOD AVE***	***406***	***2467***
RAHWAY VALLEY SA	***1050 E HAZELWOOD AVE***	***406***	***2648***
RAHWAY VALLEY SEWAGE AUTHORITY	***1050 E. HAZELWOOD DR***	***406***	***2674***
RAHWAY VALLEY SEWAGE	***1050 E HAZELWOOD AVE***	***406***	***2710***
RAHWAY VALLEY SA	***1050 E.HAZELWOOD AVE***	***406***	***2755***
RAHWAY VA. SEWAGE	1050 E. HAZELWOOD	406	2800
RAHWAY VALLEY	1050 E. HAZELWOOD	406	2804
RAHWAY S A	1050 E HAZELWOOD AV	406	2805
REGULAR 002	1050 E. HAZELWOOD AV	406	2810
QUALA SYSTEMS INC	1045 E.HAZLEWOOD AVE	406	2856
FORMER MACHINE SHOP	1073 LEESVILLE AVE	409	2862
MITO PACKAGING	***1296 LAWRENCE ST***	***410***	***2864***
PEARSE FLUID INDUSTRIES	***907 E HAZELWOOD AVE***	***413***	***2868***
FORMER RITTER TRANSPORT	928 E HAZELWOOD AVE	413	2876
ON ROADWAY IN FRONT OF	928 E. HAZELWOOD AVE	413	2886
WITHERSPOON LLC	***1421 WITHERSPOON ST***	***416***	***2888***
TATE RESIDENCE	852 EAST HAZELWOOD	417	2890
OFF RAMP	***RT 1 NO / HAZELWOOD***	***418***	***2892***
ROADWAY	RT 1 / HAZLEWOOD	418	2895
ON ROADWAY	RT 1 NO / HAZELWOOD	418	2897
AT	812 EAST HAZELWOOD	419	2898
MINUE SCHOOL	***POST BLVD***	***422***	***2903***
MATLACK CORP	75 RANDOLPH AVE	423	2905
BEHIND AND ACROSS RAHWAY RIVER	5 GEORGE COURT	425	2907
RAHWAY LUMBER	611 E HAZELWOOD AV	427	2912
FORMER GAS STATION	999 RAHWAY AVE	432	2922
RAHWAY DEPARTMENT OF PUBLIC WO	***999 HART ST***	***433***	***2924***
SANSONE AUTO MALL	RT 1 NORTH	434	2928
NEAR SANSON AUTO MART	RT 1 SO.	434	2935
FORMER LANDSCAPE SERVICE	127 LAFAYETTE PLACE	435	2937
ALLO BEST INC	24-30 MILEED WAY	436	2939
ALLOBEST KASSER INC	24-30 MILEED WAY	436	2941
ROADWAY	17 MILEED WAY	438	2948
MATLACK	75 RANDOLPH AVE	444	2964
MATLACK INC.	57 RANDOLPH AVE	444	2968
IN ROADWAY	HART ST / RANDOLPH	444	2972
STEWARTS ROOTBEER	HART / RANDOLPH	444	2974
IN AREA OF	2540 RANDOLPH AVE	445	2976
EXXON CO USA 32583	***2540 RANDOLPH AVE***	***445***	***2979***
METRO 3 FUEL INC	2540 RANDOLPH AVE	445	2981

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
METRO 1 SERVICE STATION	2540 RANDOLPH AV	445	2983
METRO GAS	2540 RANDOLPH AVE	445	2986
IN FRONT OF	570 CAPOBIANCO PLAZA	446	2989
COLOR STONE	519 CAPABIANCOI PLAZ	450	3018
HAZEL HARRIS RESIDENCE	1242 CLARK STREET	454	3022
CLOVER LEAF PLAZA	***1032 RT 1 NORTH***	***457***	***3030***
METRO III FUEL	2540 RANDOLPH AVE	458	3032
RESIDENSE OF MAGALSKI	34 PENNSYLVANIA AVE	461	3035
SMITH & JOHNSON	880 ELSTON ST	462	3036
AREA OF	***78 HERMANN ST***	***463***	***3039***
AT RESIDENCE	***78 HERMANN ST***	***463***	***3053***
RESIDENCE IN BASEMENT	78 HERMANN ST	463	3057
GIRARD EQUIPMENT INCORPORATED	***1004 ROUTE 1***	***464***	***3059***
AREA OF	71 HART AV	465	3061
AT	1098 RANDOLPH ST	466	3068
ASTRO TOOL	***810 MARTIN ST***	***469***	***3072***
ON THE ROAD	***LEESVILLE / MARTIN S***	***472***	***3082***
METRO ONE GAS STATION	***RANDOLPH+BLAIR RDS***	***473***	***3086***
FROM HAZELWOOD TO MAIN ST ON	WOODBRIDGE / RANDOLPH	475	3097

NJ RELEASE: Hazardous material release. Initial notification information reported to the Dept. of Env. Protection's Action Line. The office has not conducted any investigations to determine it's validity. or accuracy.

A review of the NJ Release list, as provided by EDR, has revealed that there are 466 NJ Release sites within the searched area.

Site	Address	Map ID	Page
CUSTOM FABRICATORS INC	400 COMMERCE RD	4	6
PLANTRONICS	301 COMMERCE RD	8	10
PLANTRONICS INC	***301 COMMERCE RD***	***8***	***15***
PLATRONICS INC	***301 COMMERCE RD***	***8***	***30***
AT RESIDENCE	615 W. HENRY ST	13	58
BEHIND TRAIN STATION	3 SO. WOOD AVE	16	62
ALLIED BUILDERS SUPPLY	***101 W ELIZABETH AVE***	***18***	***66***
RESIDENCE	***211 WEST BLANKE ST***	***19***	***72***
RESIDENCE AT	1175 NORTH STILES ST	29	97
LINDCREST APARTMENTS	***1116 NO STILES ST***	***36***	***107***
ESTATE OF ELIZABETH MALINOWSKI	749 ERUDO ST	38	114
SUNCO SERV STN #0006-9732	***999 WEST ST GEORGE AVE/***	***49***	***131***
FORMER GAS STATION	1015 ST. GEORGES AVE	57	153
O'CONNELL FUEL	403 W. ELIZABETH AVE	58	164
AREA OF	513 WOOD PL	61	167
INTERSECTION OF	NORTH STILES ST/WEST GI	63	169
LINDEN-ROSELLE SEWER AUTHORITY	***5005 SOUTH WOOD AVENUE***	***64***	***172***
IN AREA OF:	410 MILTONIA ST	67	191
AT RESIDENCE	605 W. PRICE ST	68	193
AREA OF	249 W LINDEN AVE	69	195
AREA OF	249 WEST LINDEN AVE	69	196
IN STORM SEWER IN FRONT OF	301 W. LINDEN AVE	80	227
RESID	342 MILTONIA ST	81	228
AREA OF	531 N STILES ST	83	232
FORMER ARMY NAVY STORE	12 E. EDGAR RD	84	236
IN AREA OF:	318 MILTONIA ST	90	253

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
BASEMENT OF	128 EAST 13TH STREET	92	257
JERRY & SONS AUTO REPAIR	801 W ELIZABETH AVE	95	263
IN AREA OF:	916 WEST BLANCKE ST	97	269
ELF LUBRICANTS NORTH AMERICA	***5 NORTH STILES STREET***	***98***	***271***
RESIDENCE	334 AMON TERRACE	105	301
AREA OF	341 AMON TER	105	302
IN AREA OF:	341 AMON TERRACE	105	304
EAST COAST TRUCK SALES	LINDEN / STILES	108	311
RESIDENCE	530 W. LINDEN AVE.	111	318
IN AREA OF	120 LINDEGAR ST	112	335
KOUTOUDIS RESIDENCE	785 AUDRY ST	116	346
GENERAL MOTORS	216 WEST EDGAR RD	120	350
Not reported	330 S STILES ST	121	353
Not reported	330 S STILES ST	121	354
Not reported	330 S STILES ST	121	356
Not reported	330 S STILES ST	121	357
Not reported	330 S STILES ST	121	360
AREA OF:	329 NORTH STILES ST	121	368
AREA OF	319 SO. STILES ST	121	369
IN THE AREA OF	319 SOUTH STILES ST	121	371
ANTONIO MEDINA	1201 W BLANKEY ST	129	385
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
HOWARD PRESS	1101-1107 WEST ELIZA	131	421
SOLAR COMPOUNDS	***1201 W. BLACKE ST***	***132***	***427***
HANSOME ENERGY SYSTEMS	***361 DALZIEL RD***	***134***	***448***
AREA OF	1323 WINANS AVE	135	453
RESIDENCE AT	1323 WINANS AVE	135	454
Not reported	1314 WINANS AVE	135	456
AREA OF	27 W. 15TH ST	138	460
UNION COUNTY FLORIST	350 CANTOR AVE	152	486
CITIZEN	1520 WINANS AVE	153	490
RESIDENCE	1502 WINANS AVE	153	495
RESIDENCE	1502 WINANS AVE	153	497
Not reported	W 15TH ST/WYNANS AVE	153	501
Not reported	W 15TH ST/WYNANS AVE	153	503
APTS AND STORE	100 WEST 15TH STREET	153	504
Not reported	W 15TH ST/WYNANS AVE	153	506
AREA OF	***397 W 12TH ST***	***155***	***528***
RESIDENCE OF	***1313 MOPSICK AVE***	***156***	***532***
ALLIED SIGNAL	1525 WEST BLANCKE	161	546
STOLEN FROM AREA OF	333 CANTOR AVE	161	554
AT RESIDENCE	201 W. 15TH ST	164	568
AT THE RESIDENCE	1915 SOUTH WOOD AVE	169	578
IN AREA OF	406 W. 15TH ST	179	607
APARTMENTS AT	13 EAST 21ST ST	180	611
CITGO PETROLEUM	***SOUTH WOOD AVE***	***180***	***618***
RESIDENCE	2237 CHURCH ST	181	629
IN FRONT OF RESIDENCE AT	1705 WEST BLANCKE ST	184	632
OWENS NEW WORLD TRUCKING	1700 WEST BLANCKE ST	184	635
DOCK RESIN CO	1520 WEST ELIZABETH	186	656
PARAMOUNT PLATING CO	1515 WEST ELIZABETH	186	660
ROADWAY	1512 WEST ELIZABETH	186	670
DOCK RESINS	***1512 W. ELIZABETH***	***186***	***672***
DOCK RESINS CORP	***1512 ELIZABETH AVE W***	***186***	***678***
FRONT OF	1512 WEST ELIZABETH	186	691
DOCK RESINS CORP	***1512 W.ELIZABETH***	***186***	***693***

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Site	Address	Map ID	Page
GENERAL MOTORS	***RT 1***	***188***	***707***
DOCK RESINS	1512 W ELIZ AVE	195	723
DOCK RESINS	1512 WEST ELIZ AVE	195	725
GATE STATION ON LOWER RD TO	PLEASANT AVE / LINDEN A	197	730
AREA OF	329 LOWER ALDEN DR	198	731
IN REAR OF FACILITY	1711 W. ELIZABETH AV	206	747
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	760
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	761
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	763
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	766
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	768
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	769
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	771
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	772
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	774
LINDEN AUTO MEDIC	1710 WEST ELIZABETH AVE	206	776
RAHWAY IMPORTED AUTO BODY	1710 WEST ELIZABETH	206	778
AT LOCATION	301 PLESENT ST	207	779
QUIXX LINDEN	301 PLEASENT STREET	207	781
KUIXX LINDEN	301 PLESENT ST	207	782
IN THE AREA OF	203 BRADFORD AVE	210	791
LINDEN AIRPORT	***RT 1+ 9***	***211***	***793***
RAHWAY IMPORT AUTO REPAIRS	***112 BRADFORD AVE***	***215***	***806***
GEN. MOTORS CORP.	***1016 W. EDGAR RD***	***218***	***811***
GENERAL MOTORS PLANT	1016 WEST EDGAR RD	218	816
GENERAL MOTORS CORP.	***1016 W. EDGAR RD***	***218***	***818***
GENERAL MOTORS	1016 WEST EDGAR RD.	218	821
BUICK OLDS	1016 WEST EDGAR RD	218	823
G. M.	1016 WEST EDGAR RD.	218	826
GM CORP.	1016 WEST EDGAR RD.	218	828
GM PLANT	1016 WEST EDGAR RD	218	829
GENERAL MOTORS CORP	***1016 W EDGAR RD***	***218***	***831***
RAILROAD WELL AT REAR OF	1016 W. EDGAR RD	218	837
GENERAL MOTORS	1016 WEST EDGAR RD	218	845
GENERAL MOTORS COR	1016 W EDGAR RD	218	846
GENERAL MOTORS	1016 WEST EDGAR	218	848
GM	1016 WEST EDGAR RD	218	858
GENERAL MOTORS	1016 WEST EDGAR RD	218	859
GENERAL MOTORS	1016 WEST EDGAR	218	861
GENERAL MOTORS	1016 WEST EDGAR RD	218	863
GENERAL MOTORS	1016 WEST EDGAR RD	218	864
GENERAL MOTORS	1016 WEST EDGAR RD	218	866
GENERAL MOTORS	1016 WEST EDGAR RD	218	868
GENERAL MOTORS - LINDEN ASSEMB	***1016 WEST EDGAR ROAD***	***218***	***869***
GENERAL MOTORS	1016 WEST EDGAR RD	218	889
GENERAL MOTORS PARKING LOT	1016 WEST EDGAR RD	218	892
GENERAL MOTORS	1016 WEST EDGAR RD.	218	893
GENERAL MOTORS	1016 WEST EDGAR RD	218	895
GENERAL MOTORS	***1016 WEST EDGER RD***	***218***	***898***
GENERAL MOTORS	1016 W. EDGAR	218	901
GENERAL MOTORS	1016 WEST EDGAR RD	218	902
GENERAL MOTORS	1016 WEST EDGAR RD	218	904
GENERAL MOTORS	1016 WEST EDGAR RD	218	905
GENERAL MOTORS	1016 WEST EDGAR RD	218	912
GENERAL MOTORS	1016 WEST EDGAR RD	218	914
GENERAL MOTORS	1016 WEST EDGAR RD	218	915

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Site	Address	Map ID	Page
GENERAL MOTORS	1016 WEST EDGAR RD	218	917
GENERAL MOTORS	1016 WEST EDGAR RD	218	918
GENERAL MOTORS	1016 WEST EDGAR	218	920
GENERAL MOTORS	1016 WEST EDGAR RD	218	921
GENERAL MOTORS	1016 WEST EDGAR RD	218	923
GERERAL MOTORS	1016 WEST EDGAR RD	218	925
GENERAL MOTORS	1016 WEST EDGAR RD	218	926
IN AREA OF	801 HAMPDEN ST	221	930
PARKING LOT (A&P)	***2325 ELIZABETH AVE***	***223***	***932***
GENERAL MOTORS LINDEN COGENERA	***301 PLEASANT STREET***	***224***	***934***
QUIXX LINDEN COGEN PLANT	301 PLESANT ST	224	936
QUIXX LINDEN LP	301 PLEASANT ST	224	941
QUIXX CO	301 PLEASANT ST	224	948
AREA OF	833 HAMPDEN ST	225	956
IN THE AREA OF	829 HAMPTON ST	225	958
AREA OF	829 HAMPTON ST	225	959
AREA OF	829 HAMPDEN	225	961
IN AREA OF	2145 ALLEN ST	226	962
RESIDENCE AT	255 WAITE AVE	230	969
CYTEC INDUSTRIES	***FOOT OF TRIMLE PT RD***	***235***	***978***
APPLE TIRE CO	***222 WEST SCOTT AVE***	***237***	***986***
RESIDENCE	2610 TREMLEY POINT ROAD	238	989
APPLE TIRE	***WEST SCOTT / PRICE***	***240***	***992***
LINDEN AIRPORT EXIT ON	***RTE 1/9 SOUTH***	***241***	***999***
LINDEN AIRPORT	EDGAR RD	241	1006
LINDEN AIRPORT	***RT 1***	***241***	***1007***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
SAFETY - KLEEN CORP - LINDEN R	***1200 SYLVAN ST***	***243***	***1053***
SAFETY CLEAN	1200 SYLVAN STREET	243	1099
SAFTEY CLEAN	1200 SYLVAN STREET	243	1106
SAFETY KLEEN	1200 SYLVEN ST	243	1114
PLANT SITE WEST SIDE	1200 SYLVAN ST	243	1123
AREA OF	1200 SYLVAN STREET	243	1125
SAFETY KLEEN	1200 SYLVAN STREET	243	1132
LINDEN RC/SAFETY KLEEN	1200 SYLVAN AVE	243	1143
SAFETY KLEEN	1200 SYLVAN AVE	243	1144
SAFETY KLEEN CORP	***1200 SYLVAN ST***	***243***	***1153***
SAFETY CLEAN	SYLVAN ROAD	243	1167
SAFETY CLEAN CORP	***1200 SYLVAN ST***	***243***	***1170***
PRO PLASTICS	1190 SYLVAN ST	243	1187
GENERAL MAGA PLATE CO	1331 WEST EDGAR RD	244	1195
MERCK	126 E.LINCOLN AVE	246	1197
MERCK &CO	126 E LINCOLN AVE	246	1204
MERCK	***126 EAST LINCOLN AVE***	***246***	***1208***
MERCK	***126 E LINCOLN AVE***	***246***	***1223***
MERECK & CO	126 E LINCOLN AVE	246	1238
MERCK	***126 E. LINCOLN***	***246***	***1242***
BLDG 805	126 E. LINCOLN AVE	246	1251
MERCK INC	***126 EAST LINCOLN AVE***	***246***	***1254***
MERCK CO	126 E. LINCOLN AVE	246	1260
MERK INC	126 E LINCOLN AVE	246	1268
MERCK & COMPANY	***126 E LINCOLN AVE***	***246***	***1269***
MERCK & CO, INC	126 E LINCOLN AVE	246	1277
MERCK & CO.	***126 E.LINCOLN AVE***	***246***	***1282***
BLDG 92 MERCK & CO	126 E LINCOLN AVE	246	1320
MERCK AND CO	126 E LINCOLN AVE	246	1322

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Site	Address	Map ID	Page
MERCK CO	126 E LINCOLN AVE.	246	1324
MERCK & CO. INC.	126 EAST LINCOLN AV	246	1325
MERC AND COMP	126 E LINCOLN AVE	246	1327
STACK 939 FACTORY 6 BLDG 54	126 E LINCOLN AVE	246	1329
STACK 939 FACTORY 6 BLDG 54	126 E LINCOLN AVE	246	1333
MERCK & CO	***126 E. LINCOLN AVE***	***246***	***1336***
MERCK CO INC	***126 E LINCOLN AVE***	***246***	***1358***
OVERPASS CONST	***RT#17 + LAKE ST***	***246***	***1363***
MERCK	126 EAST LINCOLN	246	1369
MERCK CO	***126 E LINCOLN AVE***	***246***	***1377***
MERCK INC	***126 E LINCOLN AVE***	***246***	***1382***
MERCK & COMP	***126 E LINCOLN AVE***	***246***	***1398***
MERCK & CO	***126 E LINCOLN AVE***	***246***	***1405***
MERCK CO	123 E LINCOLN AVE	246	1425
MERCK & CO. INC.	123 E. LINCOLN AVE	246	1427
LINDEN DPW	***LOWER RD***	***253***	***1440***
VACANT RESIDENCE	1820 ALLEN ST	255	1451
OVER STORM DRAIN	***1880 ALLEN ST***	***256***	***1452***
CULVER GLASS WARE	1900 ELIZABETH AVE	257	1455
RESIDENCE	188 W. GRAND AVE	260	1461
EMPTY BUILDING AT	1654 IRVING ST	265	1469
AREA OF:	2071 MONTGOMERY ST	266	1471
AREA OF	1800 ELIZABETH AVE	267	1473
CARNIVAL CREATIONS	***1050 EDWARDS ST***	***268***	***1474***
RHODE PLASTIC	1075 EDWARD ST	268	1477
IN RIVER		269	1480
ANGOSTURA CORP	1745 ELIZABETH	273	1491
COOPER ELECTRIC SUPPLY CO	***1080 EDWARD ST***	***275***	***1494***
IN FRONT OF	***1779 BRIDGE ST***	***282***	***1516***
BUCKEYE PIPE LINE CO LP LINDEN	***2650 MARSHES DOCK RD***	***284***	***1537***
IN REAR OF	131 WEST MAIN ST	288	1557
IN BROOK AT REAR OF	131 W. MAIN ST	288	1558
IN AREA OF	1963 LUFBERRY ST	290	1564
BUCKEYE PIPELINE	***1001 LOWER RD***	***291***	***1573***
AREA OF	***1001 LOWER RD***	***291***	***1584***
BUCK EYE PIPELINE	***1001 LOWER RD***	***291***	***1594***
BUCKEYE PIPELINE	1001 LOWER RD.	291	1624
LINDEN LANDFILL	***1501 LOWER RD***	***296***	***1660***
AMS TRANFER STATION	***1520 LOWER RD***	***298***	***1667***
ALLIED WASTE	***1520 LOWER RD***	***298***	***1669***
LINDEN MOTOR FREIGHT	1300 LOWER RD.	301	1678
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER ROAD***	***301***	***1682***
RESID	39 WEST MAIN ST	310	1697
AREA OF	53 WEST MAIN	310	1698
TEXAS EASTERN GAS	LOWER RD/RANGE DR	313	1705
TEXAS EASTERN GAS	LOWER / RANGE RD	313	1706
KINGS CREEK	LOWER / RANGE RD	313	1711
TEXAS EASTERN PIPE LINE	RANGE DR / LOWER RD	313	1717
DUKE ENERGY	LOWER RD/RANGE DR	313	1720
TEXAS EASTER GAS PIPELINE	LOWER RD/RANGE DR	313	1728
TEXAS EASTERN GAS PIPELINE CO.	LOWER RD/RANGE DR	313	1730
DUKE ENERGY	LOWER ROAD / RANGE DR	313	1731
REAR OF HOFFMAN KOOS WH	***1800 LOWER RD***	***313***	***1734***
COMPRESSOR STATION AT	RANGE RD/LOWER RD	313	1737
VALVE SITE	RANGE RD/LOWER RD	313	1739
TEXAS EASTERN PIPELINE COMPRES	***LOWER RD & RANGE RD***	***313***	***1740***

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Site	Address	Map ID	Page
TEXAS EASTERN PIPELINE	LOWER RD / RANGE DR	313	1744
TEXAS EASTERN GAS PIPELINE	***RANGE ROAD (P.O. BOX 16***	***313***	***1746***
INTERSECTION OF	LOWER RD / RANGE DRIV	313	1748
CAR WASH	***MAIN+POPLAR ST***	***314***	***1751***
NEXT EXIT CAR WASH	***MAIN ST/POPLAR ST***	***316***	***1759***
HERSHEY INPORT CO INC	***700 E LINCOLN AVE***	***317***	***1775***
TEXAS EASTERN	1901 LOWER RD	320	1790
TURTLE & HUGHES INC	***1900 LOWER RD***	***320***	***1793***
IN AREA OF	1900 LOWER RD.	320	1800
UNION CNTY RES/REC	RT 1 / 9 NORTH	321	1809
UNION CO RES RECV	RT 1 NORTH	321	1811
AREA OF	1470 CAMPBELL ST	327	1822
STORMDRAIN AT DRIVEWAY	2172 BARNETT ST	329	1825
F/O FORMOSA TRUCKING CO	2182 BARNETT ST	329	1827
FRONT OF	***47 E CHERRY ST***	***336***	***1834***
GULF OIL PRODUCTS COMPANY	***MARSHES DOCK RD***	***357***	***1898***
GOLDEN AGE TOWERS	200-220 E. MILTON AVE	363	1918
RAHWAY TOURIST COURT	1747 PATTERSON ST	368	1927
RAHWAY FIRE DEPT.	1300 MAIN	370	1937
IN RIVER/NEAR MARINA	***1706 PATERSON ST***	***371***	***1947***
RAHWAY YACHT CLUB	***1706 PATERSON ST***	***371***	***1950***
RAHWAY YATCH CLUB	1706 PATERSON ST	371	1952
GULF OIL TERMINAL	***2300 MARSHA DOCK RD***	***374***	***1959***
RAHWAY RIVER AT:	***1444 ESSEX ST.***	***375***	***1962***
WILSON TRUCKING	***JOHNSON / ESSEX ST***	***376***	***1966***
RESID/AREA OF	1458 LAWRENCE ST	383	1984
NEWKIRK APPARTMENT (APPT 2)	1434 LAWRENCE ST	388	1991
UNION COUNTY UTILITIES AUTH	***1499 RTE 1***	***390***	***2001***
RESIDENCE	***233 WILLIAM ST***	***394***	***2029***
RESIDENCE AT	257 EAST HAZELWOOD AVE	399	2041
UNION CNTY RES REC	***1499 RT 1 NO***	***400***	***2042***
UNION CO RES RECV	1499 RT 1 NORTH	400	2052
UNION CNTY REC	1499 RT 1 NO.	400	2058
UNION CNTY RES REC	1499 RT 1 NORTH	400	2060
UNION CNTY RES REC	RT 1	400	2069
UNION CO RES REC	***1499 RT 1 N***	***400***	***2076***
UNION CNTY RESOURCE RECOVERY	***1499 RT 1***	***400***	***2088***
UNION CNTY RES REC	1499 RT 1	400	2099
UNION CNTY RES REC	1499 RT NO	400	2106
UNION CNTY RES REC	1499 RT 1 / 9 NO	400	2113
AREA OF	1490 WITHERSPOON	401	2129
FORMER MARTYS SHOES OUTLET	1331-1333 LAWRENCE ST	402	2130
RESIDENCE	1018 HAZEL PLACE	405	2141
RAHWAY SEWAGE	1025 E. HAZELWOOD	406	2155
RAHWAY VAL.SA	1050 E. HAZLEWOOD	406	2158
RAHWAY SEWAGE AUTHORITY	1050 E. HAZLEWOOD	406	2165
RAHWAY VAL SA	1050 E.HAZLEWOOD	406	2168
R.V.S.A.	1030 E. HAZELWOOD DR	406	2181
RAHWAY VALLEY SA OUTFALL 002	1050 E. HAZLEWOOD AVE	406	2183
TRUCKING FACILTY	HART ST / E HAZELWOOD	406	2192
QUALA SYSTEMS INC	***1045 E.HAZELWOOD AVE***	***406***	***2225***
QUADREL BROTHERS	***1045 E. HAZELWOOD***	***406***	***2245***
QUALA SYSTEMS	***1045 E. HAZELWOOD AVE***	***406***	***2248***
QUADRELL BROS TRUCKING	***1045 E. HAZELWOOD AVE***	***406***	***2272***
RAHWAY VALLEY SEWAGE AUTH	1050 E.HAZELWOOD AVE	406	2290
RAHWAY VALLEY SEWER AUTHORITY	1050 E HAZELWOOD AVE	406	2293

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Site	Address	Map ID	Page
RAHWAY VAL.SEW.AUT	1050 E.HAZELWOOD AVE	406	2295
OUTFALL 003	1050 E. HAZELWOOD	406	2296
RAHWAY VALLEY SEWAGE AUTHORITY	1050 E HAZELWOOD DR	406	2299
RAHWAY VALLEY SA	1050 E HAZELWOOD AVE	406	2307
RAHWAY SEWAGE	1050 E HAZELWOOD AVE	406	2311
PUMP STA	1050 E HAZELWOOD AVE	406	2313
RAHWAY VALLEY S A	1050 EAST HAZELWOOD AVE	406	2314
RAHWAY VALLEY SEWAGR AUTHORITY	1050 E. HAZELWOOD DR	406	2322
RAHWAY VAL.S.A.	1050 E.HAZELWOOD AVE	406	2323
PLANT	1050 EAST HAZELWOOD	406	2331
SEWAGE PLANT	1050 EAST HAZELWOOD	406	2332
DISCHARGE LOCATION 003	1050 EAST HAZELWOOD	406	2334
RAHWAY VALLEY SEWAGE AUTHORITY	1050 E. HAZELWOOD AVE	406	2337
RAHWAY VALLEY SA	1050 E HAZELWOOD DR	406	2344
RAHWAY VALLEY SA OUTFALL #002	1050 E. HAZELWOOD AVE	406	2352
R.V.S.A.	1050 E. HAZELWOOD AVE	406	2353
RAHWAY VALLEY SA	1050 EAST HAZELWOOD AVE	406	2361
RAHWAY VALLEY SA	***1050 EAST HAZELWOOD AV***	***406***	***2368***
RAHWAY VAL SEWAGE	1050 E HAZELWOOD AVE	406	2382
FVSA	1050 E HAZELWOOD AVE	406	2390
RAHWAY VAL SEWAGE	1050 EAST HAZELWOOD	406	2391
DISCHARGE 003	1050 EAST HAZELWOOD AVE	406	2399
RAHWAY VALLEY SEWAGE AUTH.	1050 E.HAZELWOOD AVE	406	2406
RAHWAY SEWAGE	1050 HAZELWOOD AVE	406	2414
OUTFALL 003	1050 EAST HAZELWOOD AVE	406	2415
RAHWAY VALLEY SEWAGE AUTH.	1050 E HAZELWOOD AVE	406	2423
RAHWAY VALLEY SEWAGE	1050 EAST HAZELWOOD	406	2426
RAHWAY VALLEY SEWAGE AUTH	1050 E HAZELWOOD AVE	406	2434
RAHWAYVALLEY SA	1050 E HAZELWOOD AVE	406	2442
OUTFALL 004	1050 E. HAZELWOOD AVE	406	2449
R.V.S.A.	***1050 E HAZELWOOD AVE***	***406***	***2456***
RAHWAY VALLEY SEWERAGE AUTHORI	***FOOT OF E HAZELWOOD AVE***	***406***	***2467***
RAHWAY VALLEY SA OUTFALL 002	1050 E. HAZELWOOD AVE	406	2485
PUMP STATION	1050 EAST HAZELWOOD	406	2493
RAHWAY VALLEY SEWAGE AUTH	1050 E HAZELWOOD AVE	406	2496
RAHWAY VALLEY SEWAGE AUTH	1050 HAZELWOOD AVE	406	2498
RAHWAY VALLEY SA OUTFALL 001	1050 E. HAZELWOOD AVE	406	2503
SEWAGE AUTHORITY	1050 E HAZELWOOD AVE	406	2504
RAHWAY VALLEY S.A.	1050 E HAZELWOOD AVE	406	2506
RAHWAY VAL S.A.	1050 EAST HAZELWOOD	406	2511
RAHWAY SEWAGE AUTH.	1050 EAST HAZELWOOD	406	2519
RAHWAY SEWAGE AUTH	1050 EAST HAZELWOOD	406	2522
RAHWAY VAL SEWAGE	1050 E HAZELWOOD	406	2527
RAHWAY VALLEY SEWER AUTH	1050 EAST HAZELWOOD	406	2528
RAHWAY VALLEY SEWAGE AUTH	1050 EAST HAZELWOOD	406	2530
RAHWAY VALLEY SEWAGE AUTH	1050 EAST HAZELWOOD	406	2532
RAHWAY VALLEY STP	1050 E HAZELWOOD AVE	406	2540
RAHWAY VALLEY	1050 E HAZELWOOD AVE	406	2547
RAHWAY VALLEY SEWAGE	1050 E HAZELWOOD AVE	406	2555
RAHWAY VALLEY S A	1050 E HAZELWOOD AVE	406	2563
SEWER PLANT	1050 EAST HAZELWOOD	406	2570
RAHWAY VALLEY SEWWAGE	1050 E HAZELWOOD AVE	406	2572
OUTFALL 002	1050 EAST HAZELWOOD AVE	406	2573
RAHWAY VALLEY SA	1050 HAZELWOOD AV	406	2581
RAHWAY SEWAGE AUTH	1050 HAZELWOOD AVE	406	2588
RAHWAY VALLEY E.A.	1050 E.HAZELWOOD AVE	406	2594

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
RAHWAY VALLEY SEWAGE AUTH	1050 E. HAZELWOOD AV	406	2596
SITE 003 INTO RAHWAY RIVER	1050 E. HAZELWOOD AVE	406	2604
RAHWAY VA. SEWAGE	1050 E. HAZELWOOD	406	2605
RAHWAY VALLEY SEWAGE ATHORITY	1050 E HAZELWOOD AVE	406	2607
SEWAGE PLANT	1050 E HAZELWOOD AVE	406	2614
RAHWAY VALLY SEWAGE	1050-EAST HAZELWOOD	406	2616
RAHWAY SEWAGE	1050 E HAZELWOOD	406	2624
RAHWAY VALLEY SEWAGE	1050 E. HAZELWOOD AV	406	2625
RAHWAY VALLEY SA	1050 E HAZELWOOD	406	2633
RAHWAY VALLEY SEWA	1050 E HAZELWOOD AVE	406	2641
RAHWAY VALLEY SA	***1050 E HAZELWOOD AVE***	***406***	***2648***
RAHGWAY VALLEY SEWAGE	1050 E. HAZELWOOD AV	406	2657
RAHWAY SEWAGE	1050 EAST HAZELWOOD	406	2659
RAHWAY S.A.	1050 E HAZELWOOD AVE	406	2667
RAHWAY VALLEY SEWAGE AUTHORITY	***1050 E. HAZELWOOD DR***	***406***	***2674***
RAHWAY VALLEY SA	1050 E. HAZELWOOD AVE	406	2687
RAHWAY VALLEY SA	1050 E HAZELWOOD AV	406	2695
RAHWAY VALLEY SEWAGE	1050 HAZELWOOD AVE	406	2702
SEWAGE TREATMENT PLANT	1050 E. HAZELWOOD AV	406	2704
RAHWAY VALLEY SA	1050 EAST HAZELWOOD	406	2705
PUMP STA	1050 EAST HAZELWOOD	406	2707
RAHWAY VALLEY SEWAGE	***1050 E HAZELWOOD AVE***	***406***	***2710***
RAHWAY VALLEY SA	1050 E HAZELWOOD AVE	406	2719
RAHWAY VALLEY SA	1050 E HAZELWOOD AVE	406	2725
SECONDARY BYPASS GATE	1050 HAZELWOOD AVE	406	2732
RAHWAY VALLEY SEW AUTH	1050 EAST HAZELWOOD	406	2738
RAHWAY VALL SEWER AUTH	1050 E HAZELWOOD AVE	406	2740
PLANT	1050 E. HAZELWOOD AV	406	2743
RAHWAY VALLEY	1050 E. HAZELWOOD AV	406	2745
PUMP STA	1050 HAZELWOOD AVE	406	2746
RAHWAY VALLEY SEWAGE AUTHORITY	1050 E HAZELWOOD AVE	406	2748
RAHWAY VALLEY SA	***1050 E.HAZELWOOD AVE***	***406***	***2755***
R.V.S.A.	1050 E.HAZELWOOD AVE	406	2764
RAHWAY SEWAGE AUTH	1050 E HAZELWOOD AVE	406	2772
RAHAWY VALLEY SA	1050 E HAZELWOOD AVE	406	2776
RAHWAY SA	1050 EAST HAZELWOOD	406	2778
RAHWAY SA	1050 E. HAZELWOOD	406	2779
RAHWAY VALLEY S A	1050 E. HAZELWOOD	406	2781
RAHWAY SA	1050 E. HAZELWOOD	406	2782
RAHWAY SA	1050 EAST HAZELWOOD	406	2784
RAHWAY VALLEY S.A.	1050 E.HAZELWOOD	406	2785
RAYWAY VALLEY SA	1050 EAST HAZELWOOD AV	406	2787
RAHWAY SA	1050 EAST HAZELWOOD	406	2788
RAHWAY SA OUTFALL 002	1050 EAST HAZELWOOD	406	2790
RAHWAY SA	1050 EAST HAZELWOOD	406	2791
RAHWAY SA	1050 EAST HAZELWOOD	406	2793
2ND BYPASS GATE	1050 E. HAZELWOOD AVE	406	2794
RAHWAY VALLEY SA	1051 EAST HAZELWOOD	406	2796
REGULATOR 003	1050 E. HAZELWOOD	406	2797
RAHWAY SA	1050 E. HAZELWOOD	406	2799
RAHWAY SA	1050 E.HAZELWOOD AVE	406	2802
RAHWAY VALLEY SA	1050 E. HAZELWOOD AV	406	2807
Not reported	1050 EAST HAZELWOOD	406	2808
RAHWAY VALLEY	1050 EAST HAZELWOOD	406	2811
RAHWAY VALLEY S A	1050 W. HAZELWOOD AV	406	2819
RAHWAY SA	1050 EAST HAZELWOOD	406	2820

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
RAHWAY SA	1050 E HAZELWOOD AVE	406	2822
RAHWAY SA	1050 EAST HAZELWOOD	406	2823
RAHWAY SA	1050 E. HAZELWOOD	406	2825
RAHWAY SA	1050 EAST HAZELWOOD	406	2826
RAHWAY VALLEY S.A.	1050 EAST HAZELWOOD	406	2828
RAHWAY VALLEY S.A.	1050 EAST HAZELWOOD	406	2830
RAHWAY VALLEY S A	1050 E. HAZELWOOD	406	2831
RAHWAY SA	1050 EAST HAZELWOOD	406	2833
RAHWAY SA	1050 E.HAZELWOOD AVE	406	2834
REGULAR 002	1050 E. HAZELWOOD AV	406	2836
RAHWAY VALLEY S.A.	1050 EAST HAZELWOOD	406	2837
RAHWAY BALLEY S.A.	1050 E.HAZELWOOD AVE	406	2839
RAHWAY VALLEY S.A.	1050 EAST HAZELWOOD	406	2841
RAHWAY SA	1050 E. HAZELWOOD	406	2842
RAHWAY VALLEY S.A.	1050 EAST HAZELWOOD	406	2844
RAHWAY VALLEY SEW	1060 E HAZELWOOD AVE	406	2845
RAHWAY SEWAGE	1060 EAST HAZELWOOD	406	2853
MITO PACKAGING	***1296 LAWRENCE ST***	***410***	***2864***
IN AREA OF	915 EAST HAZELWOOD AVE	413	2870
ALL CHEM TRANSPORTATION	928 E HAZELWOOD AVE	413	2882
OFF RAMP	***RT 1 NO / HAZELWOOD***	***418***	***2892***
BEHIND	1401 WITHERSPOON ST	421	2900
RAHWAY LUMBER INC.	611 E. HAZELWOOD AVE	427	2909
RAHWAY LUMBER	611 E HAZELWOOD AV	427	2910
AREA OF:	12 HERMANN ST	430	2915
KEEBLER AND GRILL	876 HART ST	437	2943
ISFEL CO	END OF 900 HART ST	437	2945
AREA OF	900 HART ST	437	2946
FROM RESIDENCE AT	42 HERMENN ST	439	2950
RESIDENCE	872 LEESVILLE AVE	441	2956
STORM DRAIN	EAST LAKE / MAIN ST.	442	2958
PRIDE SOLVENTS & CHEMICAL COMP	***211 RANDOLPH AVENUE***	***444***	***2960***
ELIZABETHTOWN WATE	701 RANDOLPH RD	447	2991
CANAL RD WTP	701 RANDOLPH RD	447	2998
ELIZABETHTOWN WATER	701 RANDOLPH RD	447	3006
ELIZABETHTOWN WTR	701 RANDOLPH RD	447	3007
AREA OF	RANDOLPH / MYLEED WA	449	3016
IN THE AREA OF	RANDOLPH / MYLEED WY	451	3019
IN AREA OF	827 LEESVILLE AVE	455	3028
METRO 3 SERVICE STATION	2540 RANDOLPH	458	3032
AREA OF	***78 HERMANN ST***	***463***	***3039***
AT RESIDENCE	***78 HERMANN ST***	***463***	***3053***
IN FRONT OF	78 HERMANN ST	463	3056
RESID	56 BERNARD ST	468	3070
ASTRO TOOL	***810 MARTIN ST***	***469***	***3072***
RESIDENCE	964 RANDOLPH AVE	470	3080
ON THE ROAD	***LEESVILLE / MARTIN S***	***472***	***3082***
METRO ONE GAS STATION	***RANDOLPH+BLAIR RDS***	***473***	***3086***

EXECUTIVE SUMMARY

NJ PDES: The NJPDES contains the names, addresses and other information of all permitted New Jersey Pollutant Discharge Elimination Sytem dischargers.

A review of the NJPDES list, as provided by EDR, and dated 11/10/2004 has revealed that there are 56 NJPDES sites within the searched area.

Site	Address	Map ID	Page
LINDEN-ROSELLE SEWER AUTHORITY	***5005 SOUTH WOOD AVENUE***	***64***	***172***
ELF LUBRICANTS NORTH AMERICA	***5 NORTH STILES STREET***	***98***	***271***
ALLIED SYSTEMS LTD	525 WEST LINDEN AVENUE	111	334
LINDEN YARD	730 W LINDEN AVE	127	382
SOLAR COMPOUNDS CORP	***1201 WEST BLANCKE ST***	***129***	***392***
LIMA PLASTICS INC.	1130 W. ELIZABETH AVE.	133	441
PARAMOUNT MFG CO	***1125 W ELIZABETH AVE***	***133***	***443***
HOECHST CELANESE CORPORATION	***1401 BLANCKE ST***	***149***	***482***
KAUFMAN STAIRS INC	301-315 DALZIEL ROAD	149	483
COLORFLO INC	1261 W ELIZABETH AVE	154	510
COLORCO INCORPORATED	***1261 W ELIZABETH AVE***	***154***	***512***
HONEYWELL INTERNATIONAL INC	1515 W BLANCKE ST	161	551
FAUST THERMOGRAPHICS SUPPLY	325 CANTON AVE	161	553
FAUST THERMOGRAPHICS SUPPLY	325 CANTON AVE	161	553
ALOYCO INC	1400 W ELIZABETH AVENUE	171	580
PARAMOUNT PLATING INC CO	1515 W ELIZABETH AVENUE	186	662
DOCK RESINS CORP	***1512 ELIZABETH AVE W***	***186***	***678***
JOBE INDUSTRIES INC	1599 WEST ELIZABETH AVE	200	735
INDUSTRIAL MACHINE & ENGR CO I	***1807 W ELIZABETH AVE***	***206***	***744***
AIRSTECH CHEMICAL CORPORATION	1711 W ELIZABETH AVE	206	759
LEASEWAY MOTORCAR TRANSPORT	1001 WEST LINDEN AVENUE	214	803
LEASEWAY MOTORCAR TRANSPORT	***1001 WEST LINDEN AVENUE***	***214***	***805***
GENERAL MOTORS - LINDEN ASSEMB	***1016 WEST EDGAR ROAD***	***218***	***869***
GENERAL MOTORS CORP-LINDEN PLA	1016 W EDGAR RD	218	891
LINDEN MUNICIPAL AIRPORT	1101 W EDGAR RD	222	931
GM-LINDEN COGENERATION FAC	301 PLEASANT ST	224	936
CYTEC INDUSTRIES	***FOOT OF TRIMLE PT RD***	***235***	***978***
UNIQUE PRECISION CO	***2095 ELIZABETH AVE***	***239***	***991***
MERCK & CO INC	***126 E LINCOLN AVE***	***242***	***1013***
SAFETY KLEEN CORP	***1200 SYLVAN ST***	***243***	***1153***
SAFETY CLEAN CORP	***1200 SYLVAN ST***	***243***	***1170***
BUCKEYE PIPE LINE CO LP LINDEN	***2650 MARSHES DOCK RD***	***284***	***1537***
BASF CORP	1601 LOWER ROAD	294	1641
L'OREAL USA INC	1601 LOWER RD	294	1642
LINDEN MUNICIPAL GARAGE	***1601 LOWER RD***	***294***	***1644***
COSMAIR COSMETICS COR	1601 LOWER ROAD	294	1646
SQUIRE CORRUGATED CONTAINER CO	***1500 LOWER RD***	***296***	***1663***
LINDEN SANITARY LANDFILL	1451 LOWER ROAD	297	1665
AMS TRANFER STATION	***1520 LOWER RD***	***298***	***1667***
ALLIED WASTE	***1520 LOWER RD***	***298***	***1669***
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER RD***	***301***	***1680***
LINDEN WAREHOUSE & DISTRIBUTIO	***1300 LOWER ROAD***	***301***	***1682***
TURTLE & HUGHES INC	***1900 LOWER RD***	***320***	***1793***
UNION CNTY UTILITIES AUTHORITY	US RT 1 / LAWRENCE RD	321	1812
UNION CNTY UTILITIES AUTHORITY	US RT 1 / LAWRENCE RD	321	1813
RAHWAY DPW, CITY OF	1470 CAMPBELL ST	327	1823
GULF OIL PRODUCTS COMPANY	***MARSHES DOCK RD***	***357***	***1898***
RECKITT & COLEMAN	***799 RT 206***	***371***	***1940***
GULF OIL TERMINAL	***2300 MARSHA DOCK RD***	***374***	***1959***
UNION CO RES REC	***1499 RT 1 N***	***400***	***2076***
QUALA SYSTEMS INC	***1045 E HAZELWOOD AVE***	***406***	***2264***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
RAHWAY VALLEY SEWERAGE AUTHORI	***FOOT OF E HAZELWOOD AVE***	***406***	***2467***
RAHWAY LANDFILL	***999 HART ST***	***433***	***2926***
PRIDE SOLVENTS & CHEMICAL COMP	***211 RANDOLPH AVENUE***	***444***	***2960***
ELECTRUM RECOVERY WORKS INCORP	***827 MARTIN STREET***	***469***	***3077***
ATLANTIC AIR ENTERPRISES INC	856 ELSTON ST	471	3082

DRYCLEANERS: A listing of registered drycleaners.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/10/2004 has revealed that there are 8 DRYCLEANERS sites within the searched area.

Site	Address	Map ID	Page
COMMUTER CLEANERS	***1 S WOOD AVE***	***16***	***64***
NU PRIDE DRY CLEANERS LLC	893 N STILES ST	59	166
PARKING LOT (A&P)	***2325 ELIZABETH AVE***	***223***	***932***
J & S LEE CLEANERS	1725 IRVING STREET	261	1464
KATHY CLEANERS	499 EAST GRAND AVE	332	1831
FULTON CLEANERS	45 E. MILTON AVE.	355	1895
FULTON CLEANERS	45 E. MILTON AVE.	355	1895
OAK TREE CLEANERS	1475 PINEWOOD ST.	429	2915

HIST LF: Department of Environmental Protection Hazardous materials spills data

A review of the HIST LF list, as provided by EDR, and dated 06/10/2003 has revealed that there are 4 HIST LF sites within the searched area.

Site	Address	Map ID	Page
MERCK & COMPANY INC.	P O BOX 2000	249	1432
LINDEN CITY OF DPW	***700 LOWER ROAD***	***269***	***1486***
UNION CO LANDFILL	US ROUTE 1 / LAWRENCE	321	1810
GLOBAL RECYC. TECHNOLOGIES	1435 PINEWOOD STREET	435	2936

BROWNFIELDS DATABASES

INST CONTROL: Sites where engineering and/or institutional controls remain in place as part of a remedial action to address soil and/or groundwater contamination. These restrictions ensure protection of human health and the environment as long as they are maintained.

A review of the AUL list, as provided by EDR, and dated 05/01/2001 has revealed that there are 4 AUL sites within the searched area.

Site	Address	Map ID	Page
ALLIED BUILDING SUPPLY CO	***101 ELIZABETH AVE***	***18***	***71***
SOLAR COMPOUNDS CORP	***1201 W BLANCKE ST***	***129***	***399***
STANDARD T CHEMICAL CO	***1350 W ELIZABETH AVE***	***163***	***560***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
LIQUID CARBONICS	*2110 ALLEN ST*	*231*	*971*

VCP: Through the VCP, responsible parties, developers, local officials, or individuals may work with the department to remediate non-priority contaminated sites that pose no immediate threat to human health or the environment.

A review of the VCP list, as provided by EDR, and dated 10/01/2004 has revealed that there are 52 VCP sites within the searched area.

Site	Address	Map ID	Page
401 COMMERCE ROAD	401 COMMERCE RD	4	5
CUSTOM FABRICATORS INCORPORATE	400 COMMERCE RD	4	5
321 AINSWORTH STREET	321 AINSWORTH ST	10	49
141 EAST MUNSELL AVENUE	141 E MUNSELL AVE	11	55
615 WEST HENRY STREET	615 W HENRY ST	13	58
151 EAST STIMPSON AVENUE	151 E STIMPSON AVE	17	66
211 WEST BLANKE STREET	211 W BLANKE ST	19	84
749 ERUDO STREET	749 ERUDO ST	38	115
23 EAST STIMPSON AVE	23 E STIMPSON AVE	48	129
126 EAST EDGAR ROAD	126 E EDGAR RD	62	168
STRIP MALL	821 N STILES ST	63	172
CHRISTMAS CITY	107 E EDGAR RD	65	188
409 MILTONIA STREET	409 MILTONIA ST	67	188
605 WEST PRICE STREET	605 W PRICE ST	68	193
1000 CLINTON STREET	1000 CLINTON ST	75	207
616 WEST ELIZABETH AVENUE	616 W ELIZABETH AVE	77	219
342 MILTONIA STREET	342 MILTONIA ST	81	230
119 COOLIDGE STREET	119 COOLIDGE ST	94	258
119 COOLIDGE STREET	119 COOLIDGE ST	94	259
224 COOLIDGE STREET	224 COOLIDGE ST	107	311
12 WEST 12TH STREET	12 W 12TH ST	114	343
UNITED LACQUER	1001 W ELIZABETH AVE	115	344
49 WEST 12TH STREET	49 W 12TH ST	123	375
BROOKSIDE GARDEN APARTMENTS	1350 S WOOD AVE	125	375
SOLAR COMPOUNDS CORPORATION	1201 W BLANKE ST	129	384
A&R REALTY COMPANY	345 DALZIEL RD	134	446
201 WEST 15TH STREET	201 W 15TH ST	164	570
552 ALDEN DRIVE APARTMENT BLDG	552 ALDEN DR	167	574
1915 SOUTH WOOD AVENUE	1915 S WOOD AVE	169	578
323 WEST 15TH STREET	323 W 15TH ST	172	593
SMALL LOT STAMPING COMPANY	1540 W ELIZABETH AVE	200	734
R&R SALVAGE	1537 W ELIZABETH AVE	200	736
2359 WHITTIER STREET	2359 WHITTIER ST	205	744
119 BRADFORD AVENUE	119 BRADFORD AVE	215	809
2129 PROSPECT STREET	2129 PROSPECT ST	216	809
2610 TREMLEY POINT ROAD	2610 TREMLEY POINT RD	238	990
REED RECREATION CENTER	1670 IRVING ST	265	1471
1636-1640 IRVING STREET (APT)	1636-1640 IRVING ST	274	1494
COOPER ELECTRIC SUPPLY COMPANY	1080 EDWARD ST	275	1494
123 MAIN ST	123 MAIN ST	285	1553
PIEGARI PROPERTY	1610 COACH ST	287	1555
RAHWAY SAVINGS INSTITUTION	1500 IRVING ST	330	1829
SITE 60-62 E MILTON AVE &	1382-1402 IRVING ST	350	1870

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
FIRST AMERICAN POLISH UNION IN	1403-1417 IRVING ST	350	1870
RAHWAY AUTO SUPPLY & SERVICES	***12 W. MILTON AVE***	***352***	***1875***
80 EAST MILTON AVENUE	80 E MILTON AVE	355	1891
65 TO 73 EAST MILTON AVENUE	65-73 E MILTON AVE	355	1895
1869 LENNINGTON STREET	1869 LENNINGTON ST	358	1904
GOLDEN AGE TOWERS	200-220 E MILTON AVE	363	1919
257 EAST HAZELWOOD AVENUE	257 E HAZELWOOD AVE	399	2042
1018 HAZEL PLACE	1018 HAZEL PL	405	2140
76 FREDERICK STREET	76 FREDERICK ST	456	3029

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

APPENDIX B

Excerpt from Merck 1994 RFI Phase II Report

MERCK & CO., INC.

RCRA FACILITY INVESTIGATION MERCK RAHWAY FACILITY

PHASE II REPORT

VOLUME I - APPENDICES

Submitted by:

Merck & Co., Inc. Rahway, N.J.

To:

New Jersey Department of Environmental Protection and Energy and U.S. Environmental Protection Agenc; Region II

Prepared by:

Dames & Moore, Bethesda, MD

March 1994

Based on concentration contour maps generated from exceedances of NJDEPE standards for COCs at each depth interval, two contaminant contours affect the Block A area in the 0- to 2-foot soil interval.

In the surface layer, two metal COCs--arsenic and lead--affect the soil. Lead affects 13,205.64 ft^2 (contour 2A), extending to include approximately 978 yd^3 of soil in vicinity of the IWMF. Arsenic affects 17,996.06 ft^2 (1,333 yd^3) to the south of the SWMU (contour 3A), as illustrated in Figure 5-56 (page 5-152). A total of 10,301 ft^2 of this arsenic contour overlaps the lead contour.

Site Summary

Based on analytical results and concentration contour maps, metals are a concern in the surface soil. They affect approximately 1,550 yd^3 of soil within and south of Block A. Within the area south of Block A, 36 yd^3 is also affected by DDT. The Block A area is recommended for further consideration in the CMS due to the extent of this contamination.

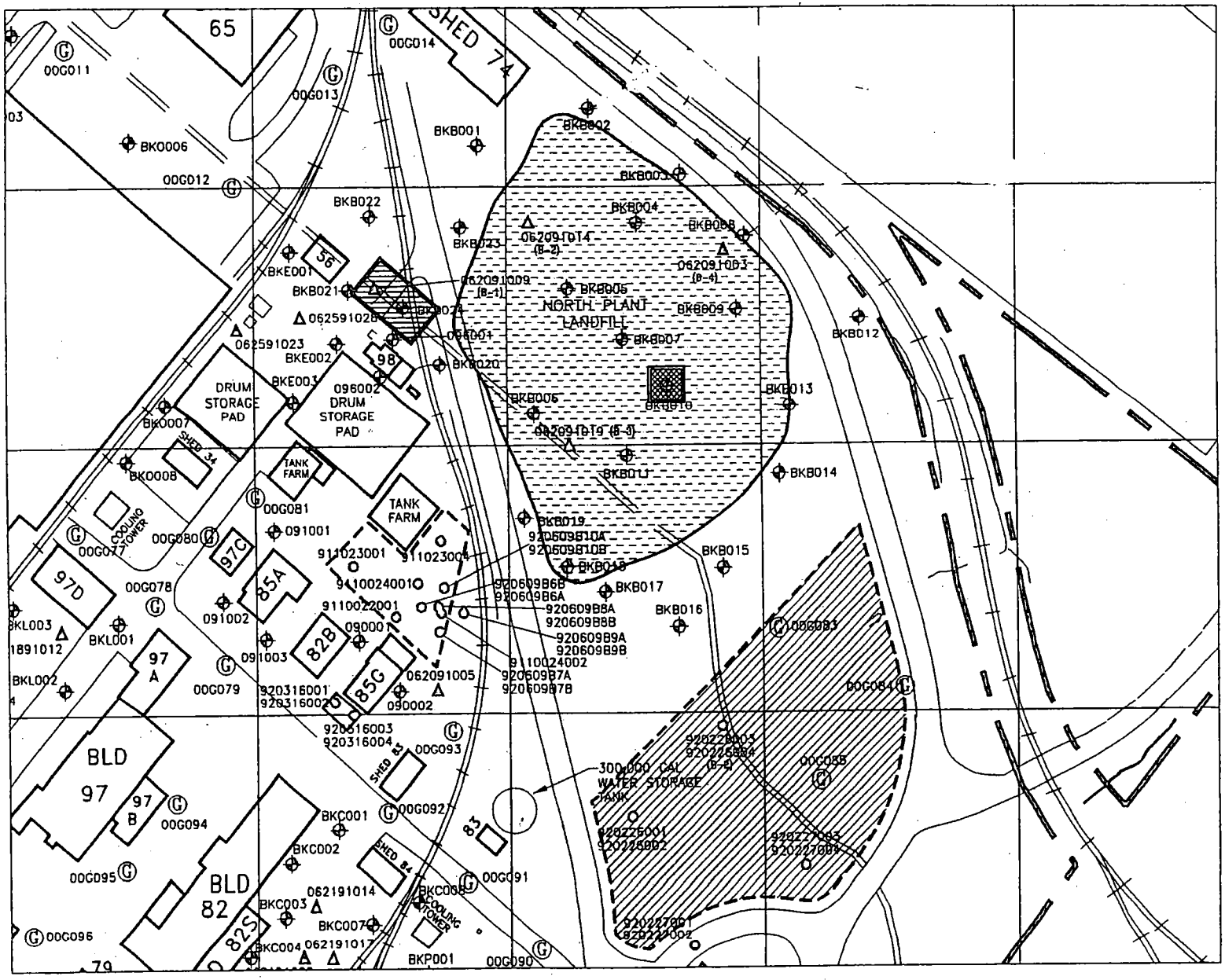
5.2.4.4.2 Investigative Block B - North Plant Landfill, Former Container Storage Area, and Pipe Leak Area

Site History

Block B encompasses the North Plant Landfill (SWMU 67), the former Container Storage Area (SWMU 27), and the Pipe Leak Area (SWMU 72). Because of the potential for soil and groundwater contamination due to activity conducted in all three SWMU areas, EPA and NJDEPE recommended that the Phase I RFI include these areas. The area encompassed by Investigative Block B is shown in Figure 5-57 (page 5-153). The delineation of the landfill boundary was determined by aerial photographs (Merck & Co., Inc., 1991b).

Located at the northern end of the Rahway Facility, the North Plant Landfill (SWMU 67) is an inactive, unlined landfill that received miscellaneous plant wastes. Based on review of historic aerial photographs, it appears that this landfill was probably used from the 1940s through the mid-1970s. Although the exact nature of the materials placed in the landfill has not been determined, it may have included the following:

SWMU-B X:MERCK2 V: 1S-B L: 1S-B DSK:



LEGEND:

- ACCELERATED INVESTIGATION BORING LOCATION
- PHASE I SOIL BORING LOCATION
- PHASE II SOIL BORING LOCATION
- GENERAL AREA BORING LOCATION
- SWMU 67
- SWMU 27 APPROXIMATE LOCATION
- SWMU 72
- PATHOLOGICAL INCINERATOR SITE
- SPILL COLLECTION FACILITY SITE

Project Name: Merck/Rahway
Revision No.: 0
Section No.: 5
Date: March 1, 1994
Page No.: 5-153

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PREPARED BY: DAMES & MOORE	PHASE II RFI REPORT RAHWAY FACILITY RAHWAY, NEW JERSEY		
INIT. MCY	SCALE: 0 150 Ft	DATE: 3/1/94	REV. 0

FIGURE 5-57
ALL SOIL BORINGS IN THE VICINITY OF INVESTIGATIVE BLOCK B
NORTH PLANT LANDFILL AND PIPE LEAK AREA
(SWMUs 72, 27, AND 67)

- Noncombustible wastes generated prior to mid-1970s
- Filter cakes such as carbon cakes, mycelium cakes, and spent resins
- Construction/demolition debris generated prior to mid-1960s
- Incinerator ash generated prior to early 1970s (Merck & Co., Inc., 1991b).

Two past disposal methods, open burning and waste draining, were identified in the FBR (Merck & Co., Inc., 1991b) as additional concerns within the North Plant Landfill. Open burning occurred in the past for disposal of waste oil and tar residue, as well as other burnable/combustible waste. The period when open burning began at the Facility is unknown. It is believed that the practice was used since at least the late 1940s and continued until possibly as late as the mid-1970s. The exact location where open burning occurred in the North Plant Landfill is unknown. Another disposal method used at the North Plant Landfill was onsite draining of liquid wastes. Typically, solvent and laboratory wastes were disposed of in this manner. The time period and exact location of this disposal method are unknown, though it is believed this method was employed as late as 1974.

Also, for approximately 30 years, this landfill area staged still bottoms prior to offsite disposal and contained an approximately 625-ft^2 container storage area (SWMU 27) for storage of various solvents prior to recovery or disposal. Use of this container storage area was discontinued in 1981. Currently the landfill area is only used as a staging area for the soil excavated from other locations in the Facility. In general, the staging area has been used for both clean and potentially contaminated soil, which is segregated into separate piles.

Investigative Block B also encompasses SWMU 72 (AOC 5), which is a former underground pipe leak area. On March 25, 1986, approximately 20,000 gallons of industrial wastewater was released from an underground pipe leak, and a portion of the release entered Kings Creek. As an immediate response action, the broken pipe was repaired and all visibly contaminated soil surrounding the leak area was removed.

A dioxin site investigation was conducted in the vicinity of Investigative Block B in 1985, as required by the EPA, to identify and assess potential dioxin contamination at the site. A total of 10 soil samples were collected within this area in May 1985.

In addition to the Phase I RFI, two accelerated investigations have been performed in the vicinity of this area. Data from these two investigations have been integrated into the contamination assessment through concentration contour maps. An accelerated pre-construction investigation was performed southwest of the Block B area for the proposed construction of a pathological waste incinerator. Ten soil borings were conducted in this area during the investigations in October 1991 and June 1992. An accelerated investigation was also performed south of the landfill in February 1992 for the proposed construction of a spill collection facility. A total of eight soil samples were taken from four soil borings in this area.

Nature and Extent of Contamination

During the Phase I RFI, a soil gas survey was conducted to determine locations for soil samples at the landfill. Eight VOCs were detected by the soil gas survey. The four soil samples collected in Block B--B-1 (062091-009), B-2 (062091-014), B-3 (062091-019), and B-4 (062091-003)--were collected at locations with relatively high total VOC results in the soil gas survey. Phase I soil gas and soil sampling analytical data indicated the presence of VOCs, SVOCs, PCBs, and TPH. In two Phase I samples (B-3 and B-4), compounds were detected in exceedance of proposed NJDEPE standards for surface or subsurface soil.

During the dioxin site investigation, seven surface soil and three sediment samples were collected along the rail spur to the northwest and Kings Creek to the south of Investigative Block B. All samples were analyzed for 2,3,7,8-TCDD. Results indicate the analyte was not present in any of the samples collected.

During the Pathological Waste Incinerator accelerated pre-construction investigation, 11 soil borings were used to assess the contamination within the proposed construction area. One boring was used from the Phase I investigation and five more were drilled and sampled in October 1991. Samples were analyzed for a full Priority Pollutant scan. One metal, arsenic, exceeded the proposed NJDEPE standard of 20 mg/kg in one sample, B-3 (911024002). In June 1992, five more borings were drilled and sampled to delineate the arsenic contamination detected. Exceedances of the proposed NJDEPE standard were

identified in all samples except for three subsurface samples (Merck & Co., Inc., 1992e), as shown in Table 5-22 (page 5-157).

During the Spill Collection Facility accelerated pre-construction investigation, eight samples were collected from four soil borings ranging in depth from 0 to 7 feet. The samples were analyzed for a full Priority Pollutant scan plus Group II compounds. Analytical results indicate one exceedance of NJDEPE standards in one sample. The PCB aroclor 1260 exceeded the NJDEPE nonresidential surface soil standard in sample B-2 (920226003) (0 to 3 feet) (Merck & Co., Inc., 1992k).

Phase II RFI soil sampling at Block B consisted of the collection of 28 soil samples from 24 borings (BKB001 through BKB024) ranging in depth from 0 to 6 feet. All samples were analyzed for a full Priority Pollutant scan plus Group II compounds and TPH, and results of these analyses are presented in the Positive Detections Table for this SWMU in Appendix M.2.1. Figure 5-57 (page 5-153) presents the soil boring locations for all borings in the vicinity of the Block B SWMUs.

The North Plant Landfill is currently used as a soil staging area which varies in elevation in relation to the sitewide surface elevation. The Phase I and II RFI addresses affected soil from the plant surface elevation downward. Therefore, during soil sampling at Block B, efforts were made to collect samples at the natural surface elevation. If a boring was located on top of fill material, the fill material was augered into until the surface elevation was encountered (approximately 10 feet) before samples were collected. Therefore, characterization of the landfill is based on past disposal practices and not on the abovegrade fill material.

Due to the history of open burning of waste oil and other residue in the landfill, five samples were also analyzed for tetra- through octa-chlorinated dioxins and furans. Three sample locations in Block B were randomly chosen for these analyses (BKB010, BKB016, BKB018). Analysis of these soil samples indicated the presence of low levels of octachlorodibenzo-p-dioxins (OCDD) in the three samples and nondetectable quantities of all other congeners. A congener refers to any one member of the same chemical family (e.g., there are 75 congeners of chlorinated dibenzo-p-dioxins (CDDs)). Detailed toxicity data for

TABLE 5-22

Summary of Exceedances of Proposed NJDEPE Nonresidential Surface or Subsurface Standards in Block B

Sample Location: Sample ID: Sample Depth (ft bgs):	B-2 920226003 0-3	B-3 9110024002 0-2	BKB016 921204BKB0001 0-2	BKB019 921110BKB0004 0-2	BKB024 930310BKB0004 0-2
NJDEPE Applicable Standard					
SVOCS (µg/kg)					
Benzo(a)pyrene 660			2,100	1,500	
1,2-Dichlorobenzene 50,000					400,00
Pesticides/PCBs (µg/kg)					
DDT 9,000				26,000	90,000
DDD 12,000					40,000
PCB 2,000	2,600				
Metals (mg/kg)					
Arsenic 20		225			122

Sample Location: Sample ID: Sample Depth (ft bgs):	BKB002 921203BKB0013 2-4	BKB003 921203BKB0015 2-4	BKB004 921203BKB0016 2-4	BKB005 921207BKB0003 2-4	BKB008 921207BKB0005 2-4	BKB021 921203BKB0009 2-4
NJDEPE Applicable Standard						
VOCs (µg/kg)						
Benzene 1,000					20,000	
Trichloroethene 1,000	15,000					

TABLE 5-22 (cont'd)

Sample Location: Sample ID: Sample Depth (ft bgs):	BKB002 921203BKB0013 2-4	BKB003 921203BKB0015 2-4	BKB004 921203BKB0016 2-4	BKB005 921207BKB0003 2-4	BKB008 921207BKB0005 2-4	BKB021 921203BKB0009 2-4
SVOCS (µg/kg)						
2,4-Dimethylphenol 10,000				39,000		
Miscellaneous (mg/kg)						
TPH 1,000		1,000	11,000	15,000		2,700

Sample Location: Sample ID: Sample Depth (ft bgs):	B-4 062091-003 4-6	BKB015 921204BKB0006 4-6	B-3 062091-019 6-8
NJDEPE Applicable Standard			
VOCs (µg/kg)			
Benzene 1,000	6,600		64,000
Chlorobenzene 1,000			
Xylene 10,000			19,000
Miscellaneous (mg/kg)			
TPH 1,000	6,200	1,000	

most of these congeners are limited. Data and resulting toxicity criteria are available, however, on the 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) congener. EPA has adopted the "International TEF/89" method for assessing risks associated with exposure to complex mixtures of CDDs and chlorinated dibenzo-p-furans (CDFs) (USEPA, 1989). The basis of this method is to equate exposure to CDDs and CDFs with exposure to 2,3,7,8-TCDD by multiplying the congener concentration by a toxic equivalence factor (TEF), which represents the ratio of the toxicity of the congener in question to the toxicity of 2,3,7,8-TCDD. The resulting "TCDD equivalents" for each congener are summed to determine the total TCDD equivalents to which a receptor is exposed. This method is widely accepted by both Federal and state agencies for use in the risk assessment process. At this site, the TCDD TEF for OCDD (0.001 x sample concentration) was calculated and compared to EPA's total dioxin and furan standard for industrial soil of 10 ppb. Samples BKB010 (0 to 2 feet), BKB016 (4 to 6 feet), and BKB018 (2 to 4 feet) had TEFs six and seven orders of magnitude below the standard. The remaining two samples were reported as non-detect. Based on these results, no further evaluation of dioxins at the site is considered necessary. Appendix M.2 presents the CDD and CDF data for Investigative Block B.

The Positive Detections Table for this SWMU in Appendix M.2.1 shows exceedances in Phase I and II soil data of proposed NJDEPE nonresidential surface soil or subsurface soil standards for one metal, two pesticides, three SVOCs, four VOCs, TPH, and PCBs. These exceedances are listed in Table 5-22 (page 5-157).

Based on concentration contour maps generated for exceedances of NJDEPE standards for COCs at each depth interval, several soil contaminant contours are in the vicinity of the Block B SWMUs at each 2-foot depth interval, ranging from 0 to 8 feet bgs. Several SWMUs and the two accelerated investigation sites are located adjacent to Block B. These are included in determining the overall affected soil volume.

In the surface layer (0 to 2 feet bgs), five COC contours are in the vicinity of Block B, as illustrated in Figure 5-58 (page 5-160). One contour (5A) encompasses an area of 11,318.28 ft^2, extending to include approximately 838 yd^3 of soil containing three COCs--arsenic, 1,2-dichlorobenzene, and DDT. Another 2,534.73-ft^2 contour (12A) extends to

SWMU02 V: 19-8 L: 15-8 DSK: 68

LEGEND:

- LEAD
- ARSENIC
- VOCs/SVOCs
- PESTICIDES
- OVERLAPPING METALS AND VOCs/SVOCs OR PESTICIDES
- PCBs
- TPH
- SWMU 67
- SWMU 27 APPROXIMATE LOCATION
- SWMU 72
- PATHOLOGICAL INCINERATOR SITE
- SPILL COLLECTION FACILITY SITE

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Revision No.: 1
Section No.: 5
Date: April 4, 1994
Page No.: 5-160

PREPARED BY: DAMES & MOORE	PHASE II RFI REPORT RAHWAY FACILITY RAHWAY, NEW JERSEY		FIGURE 5-58 CUMULATIVE CONCENTRATION CONTOURS IN SOIL (0-2 FT) INVESTIGATIVE BLOCK B NORTH PLANT LANDFILL, FORMER CONTAINER STORAGE AREA, AND PIPE LEAK AREA (SWMUs 72, 27, AND 67)
INIT. MCY	SCALE: 0 150 FT	DATE: 4/4/94	REV. 1

encompass 188 yd^3 of soil containing the COCs arsenic, benzo(a)pyrene, and DDT. Benzo(a)pyrene also affects another 585 yd^3 of soil generated from a 7,901.18-ft^2 contour (14A) in the southern portion of Block B. The arsenic contour (4A) encompasses a larger area containing several SWMUs due to individual arsenic exceedances adjacent to Block B. There is not adequate information to attribute this arsenic contamination to one source; therefore, this affected soil volume is addressed on a Facilitywide basis in Section 5.2.6 (page 5-247).

For the 2- to 4-foot soil interval, two COCs--TCE and benzene--generate two contaminant contours in Block B, and TPH generates four contours within the SWMU area, as shown in Figure 5-59 (page 5-162). TCE affects approximately 36 yd^3 of soil generated from a 490.87-ft^2 contour (5B), and benzene affects approximately 145 yd^3 of soil generated from a 1,963.8-ft^2 contour (6B). The four TPH contours collectively comprise 1,964 ft^2 of affected soil, approximately 145 yd^3.

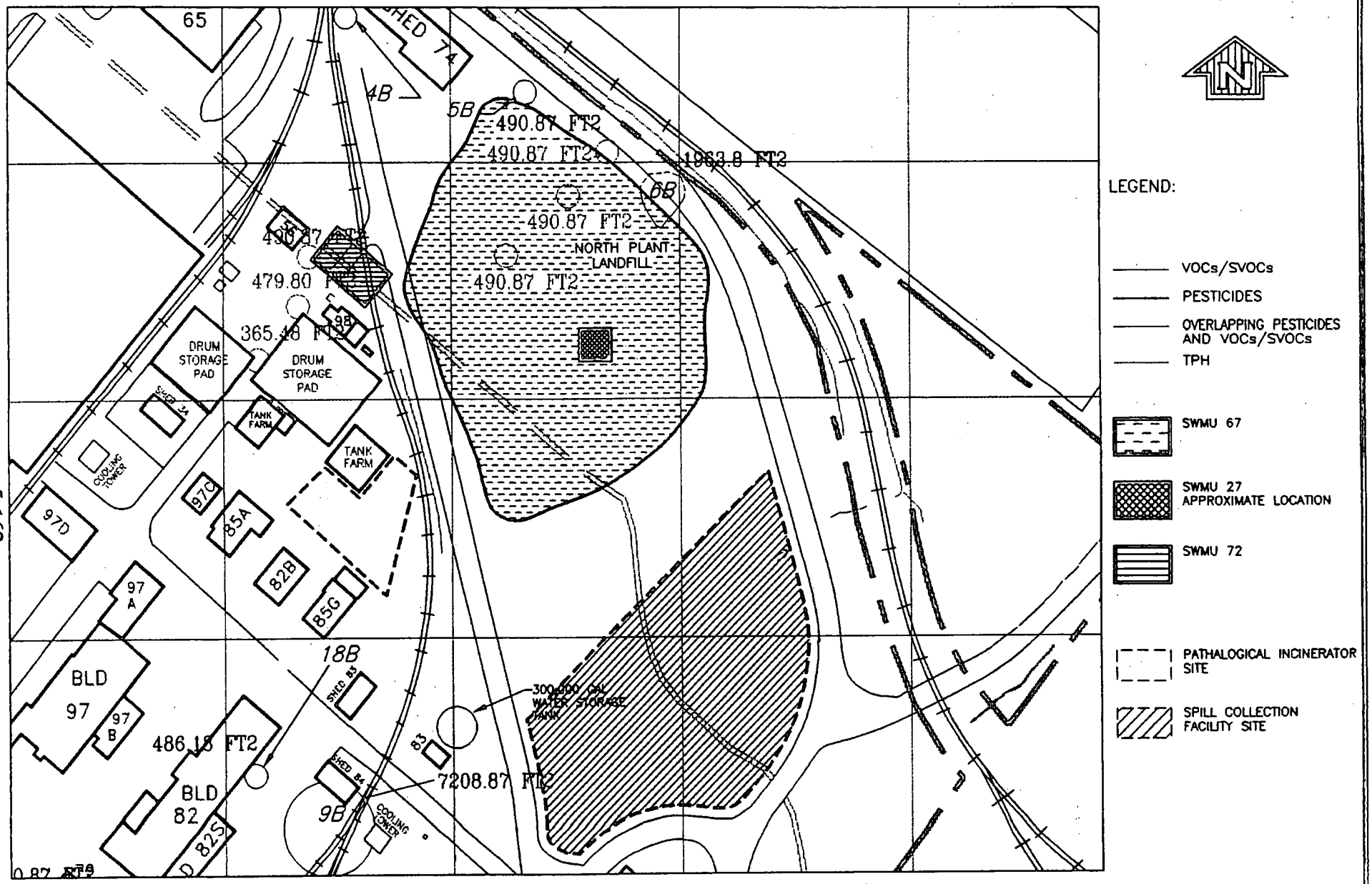
Benzene and TPH overlap generating one contaminant contour (2C) in the 4- to 6-foot soil interval in the Block B area. This COC affects approximately 36 yd^3 of soil in the northeastern edge, extending from an area of 490.87 ft^2. South of the landfill, TPH alone affects a 490.87-ft^2 area, approximately 36 yd^3 of soil, as shown in Figure 5-60 (page 5-163).

In the 6- to 8-foot soil interval, two COCs generate one contour (2D) in the Block B area, as shown in Figure 5-61 (page 5-164). Approximately 36 yd^3 of soil in the center of the Block B SWMUs, generated from a 490.87-ft^2 contour, contains xylene and chlorobenzene.

Site Summary

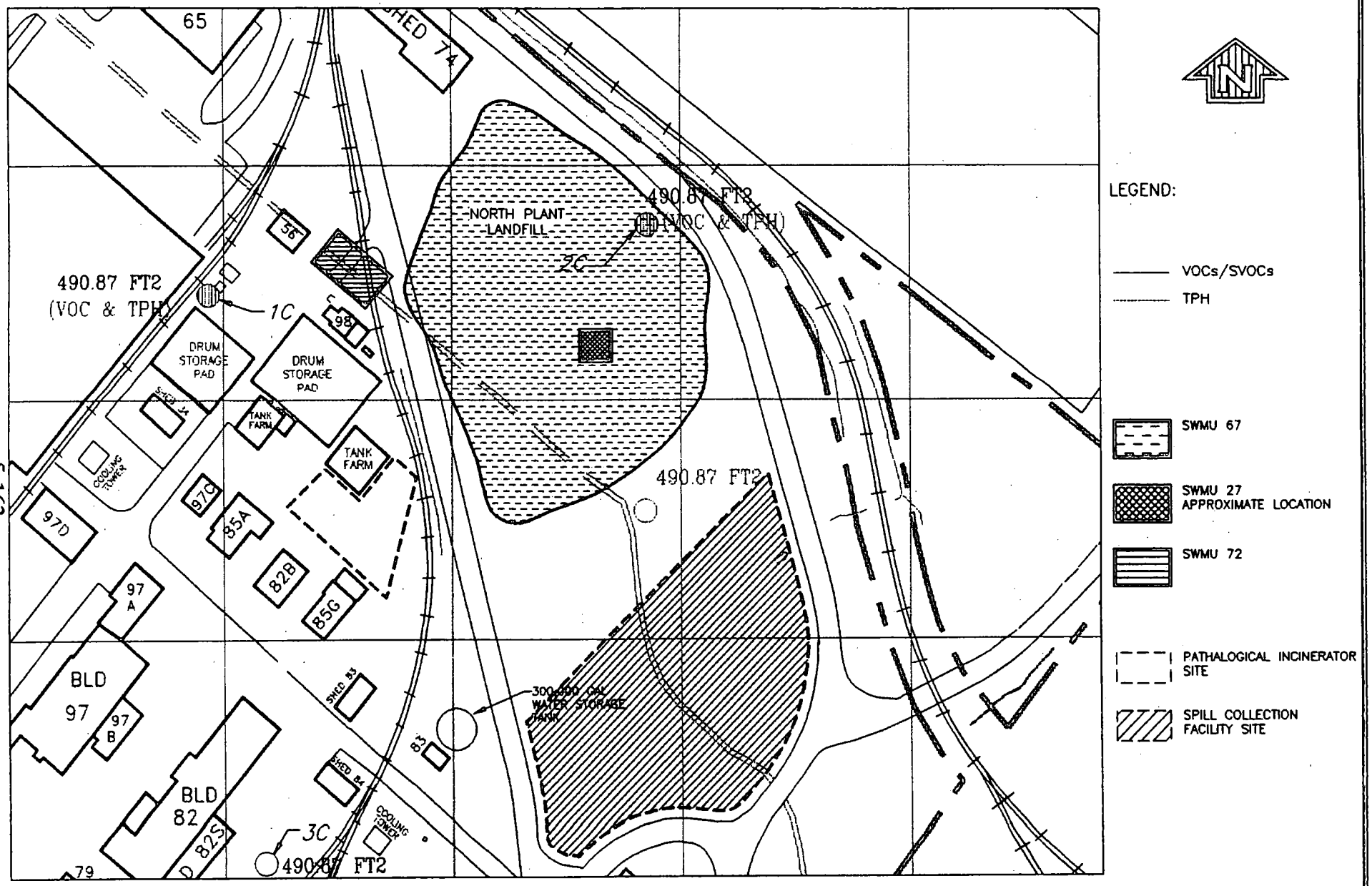
Metals, pesticides, and SVOCs affect approximately 1,611 yd^3 of surface soil. Two volatiles and TPH affect approximately 326 yd^3 of soil in the 2- to 4-foot interval. One VOC and TPH affect approximately 72 yd^3 in the 4- to 6-foot soil interval, and several volatiles affect approximately 36 yd^3 of soil in the 6- to 8-foot interval. Due to the site history, in addition to these delineated areas, the possibility exists that other areas of contamination are present within the landfill. Further assessment of the landfill will be considered in the CMS.

SWMU24 X:MERCK2 V: 15-8 L: 15-8 DSK:



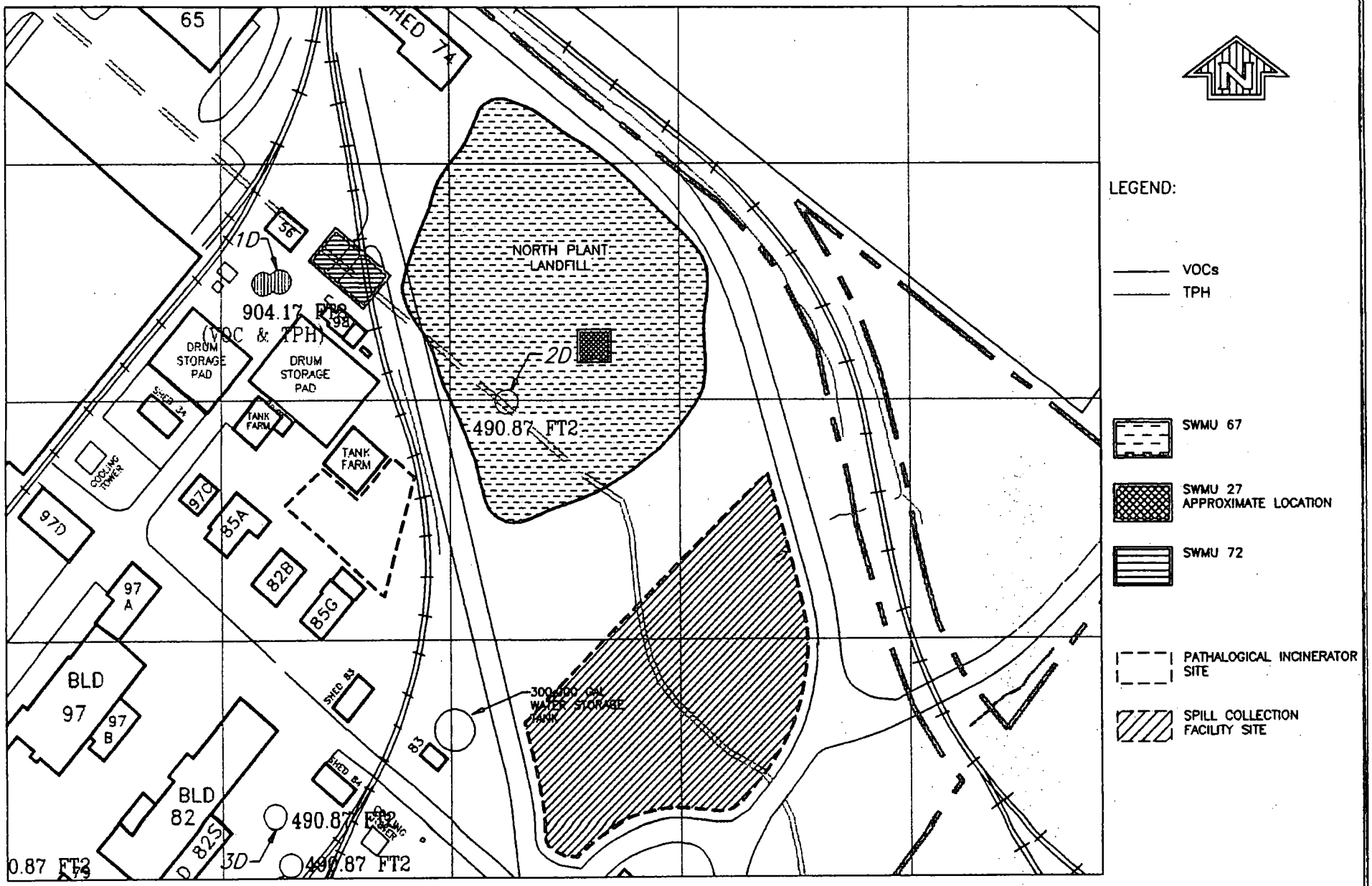
PREPARED BY: DAMES & MOORE	PHASE II RFI REPORT RAHWAY FACILITY RAHWAY, NEW JERSEY			FIGURE 5-59 CUMULATIVE CONCENTRATION CONTOURS IN SOIL (2-4 FT) INVESTIGATIVE BLOCK B NORTH PLANT LANDFILL, FORMER CONTAINER STORAGE AREA, AND PIPE LEAK AREA (SWMUS 72, 27, AND 67)
INIT. MCY	SCALE: 0 150 FT	DATE: 3/1/94	REV. 0	

SWMU48 X:MZRCK2 V: 15-0 L: 15-0 DSK:



PREPARED BY: DAMES & MOORE	PHASE II RFI REPORT RAHWAY FACILITY RAHWAY, NEW JERSEY			FIGURE 5-60 CUMULATIVE CONCENTRATION CONTOURS IN SOIL (4-6 FT) INVESTIGATIVE BLOCK B NORTH PLANT LANDFILL, FORMER CONTAINER STORAGE AREA, AND PIPE LEAK AREA (SWMUS 72, 27, AND 67)
INIT. MCY	SCALE: 0 100 Ft	DATE: 3/1/94	REV. 0	

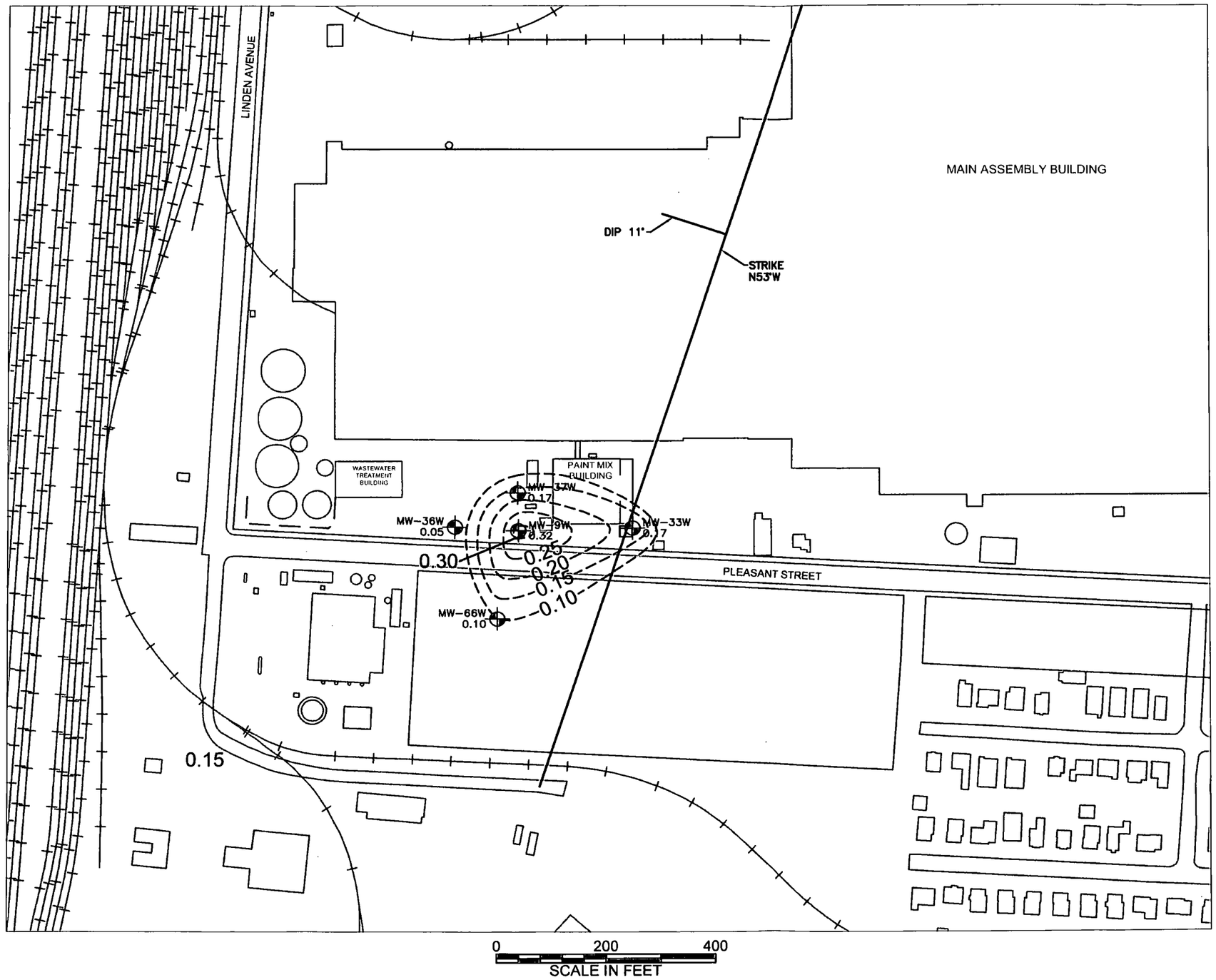
SWMU68 XMERCK2 Y: 15-8 L: 15-8 DSK:

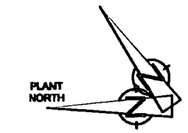


PREPARED BY: DAMES & MOORE	PHASE II RFI REPORT RAHWAY FACILITY RAHWAY, NEW JERSEY			FIGURE 5-61 CUMULATIVE CONCENTRATION CONTOURS IN SOIL (6-8 FT) INVESTIGATIVE BLOCK B NORTH PLANT LANDFILL, FORMER CONTAINER STORAGE AREA, AND PIPE LEAK AREA (SWMUS 72, 27, AND 67)
INIT. MCY	SCALE: 0 100 FT	DATE: 3/1/94	REV. 0	

APPENDIX C

Water Levels Response During Aquifer Testing at MW-49B





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- --0.10-- INFERRED DRAWDOWN IN FEET

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

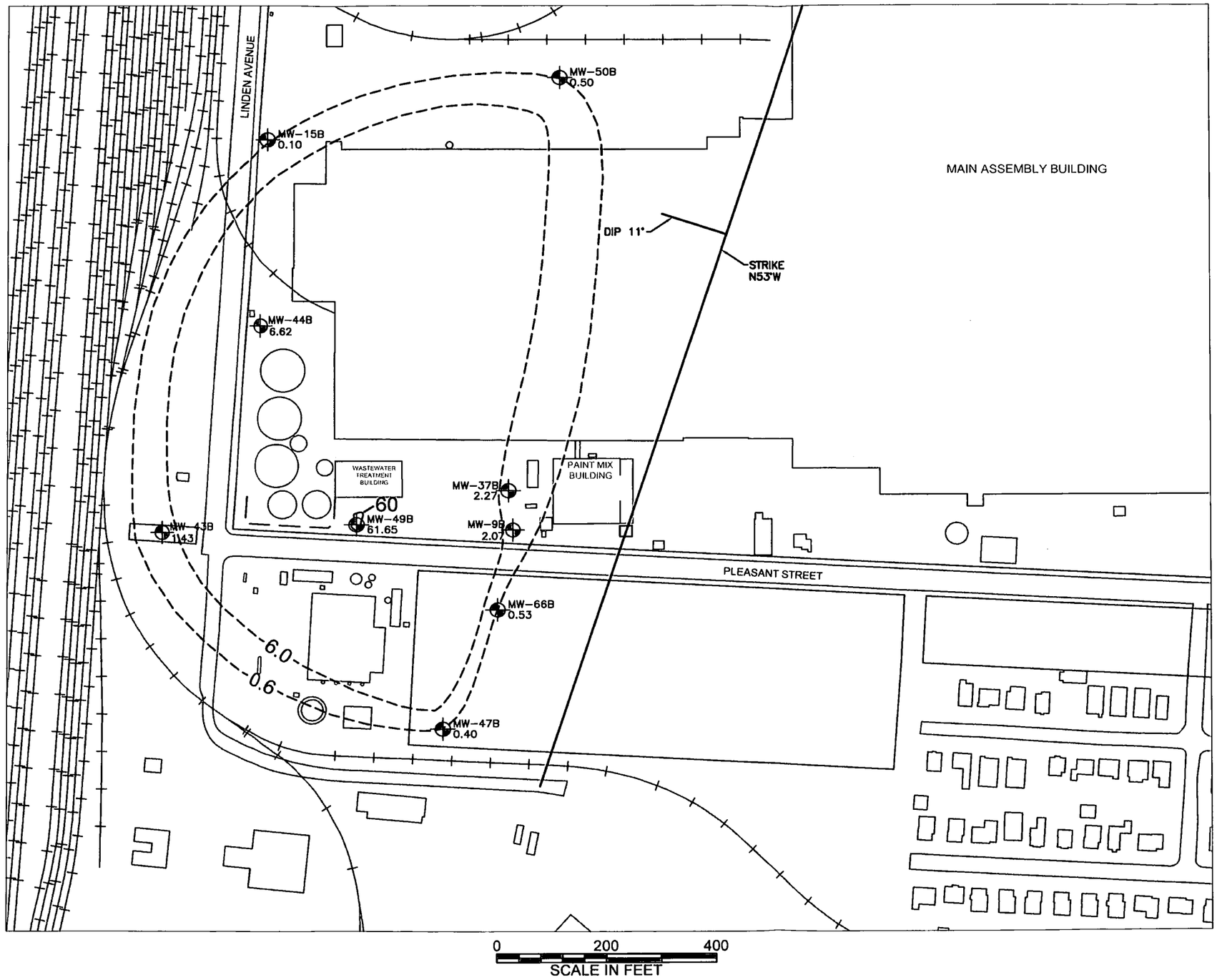
WEATHERED BEDROCK WELLS INDICATING A RESPONSE TO PUMPING – ELAPSED TIME 3 DAYS

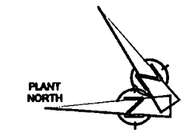
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE C–1

G:\28499\308\CA750\FIGURES\28499-Well_Drawdown_r2.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 0.6 INFERRED DRAWDOWN IN FEET

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

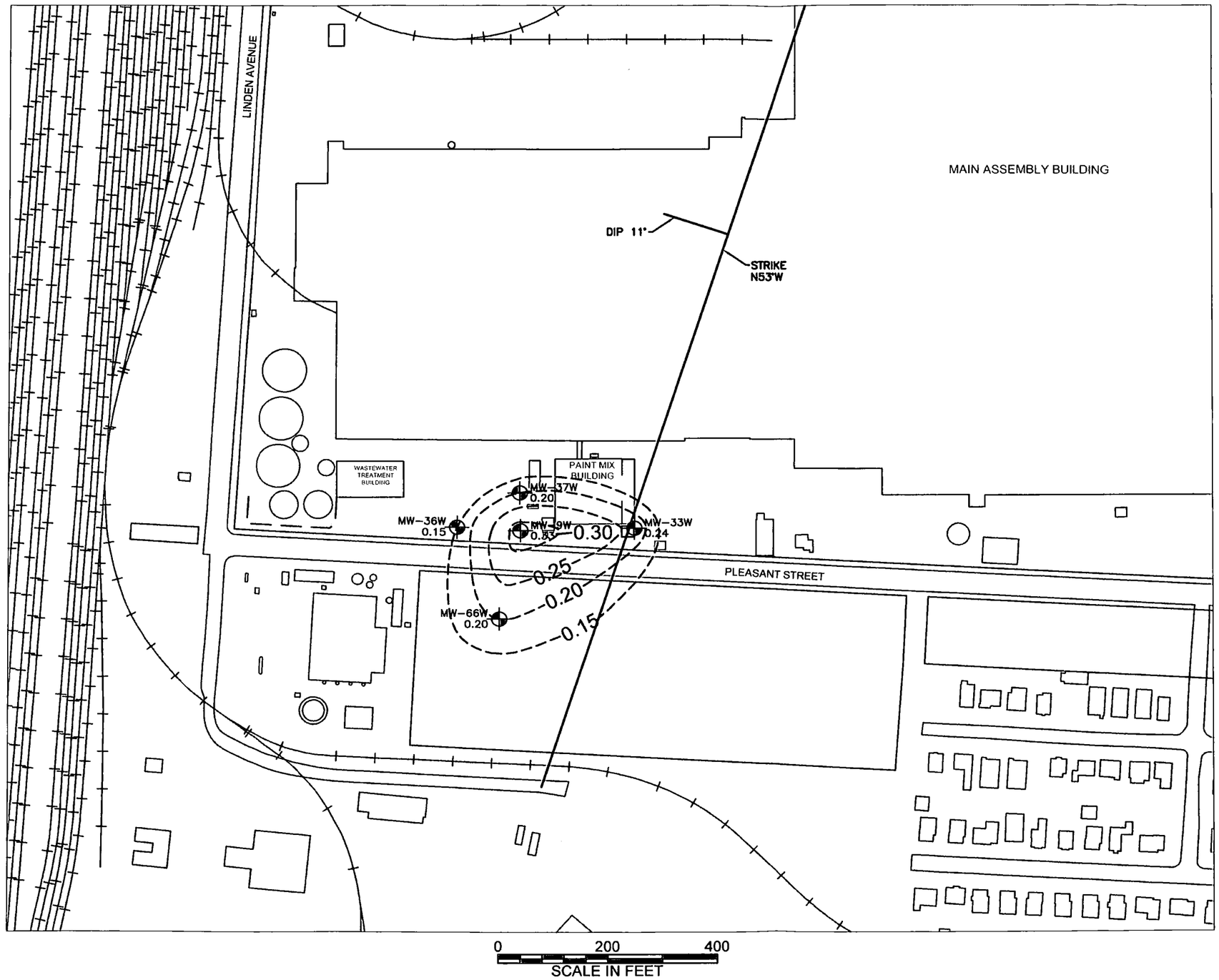
UNIT 2 WELLS INDICATING A RESPONSE TO PUMPING – ELAPSED TIME 3 DAYS

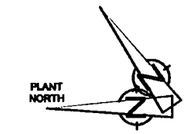
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE C-2

G:\28499\Stage III\CAD\28499-Well_Drawdown_r2.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- --0.10-- INFERRED DRAWDOWN IN FEET

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LINDEN, NEW JERSEY

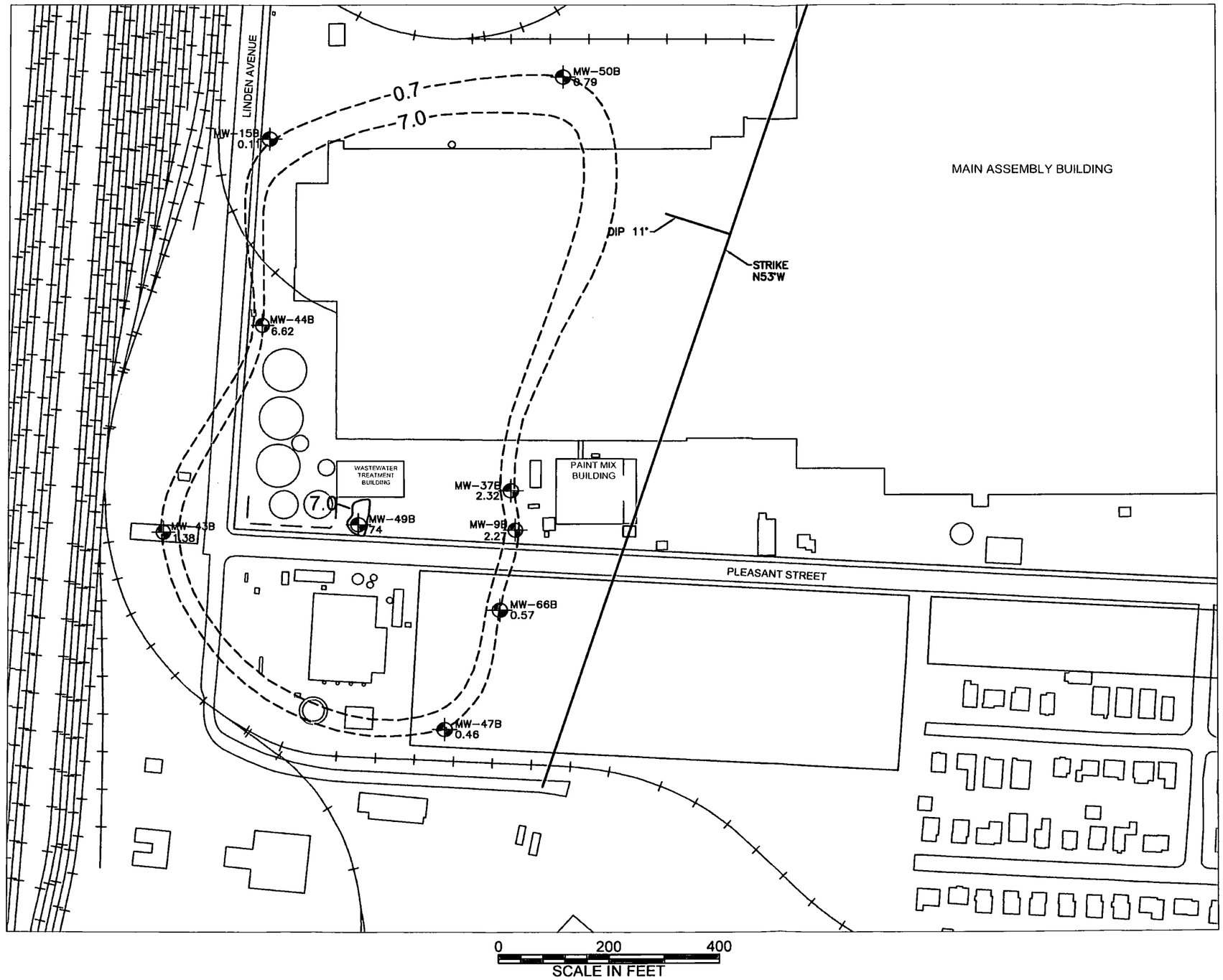
WEATHERED BEDROCK WELLS
EXTRAPOLATED RESPONSE TO
PUMPING – ELAPSED TIME
20,000 MIN.

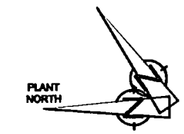
SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE C–3

G:\28499\308\CA750\FIGURES\28499-Well_Drawdown_r2.dwg





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- RAILROAD
- MONITOR WELL LOCATION
- 0.7 INFERRED DRAWDOWN IN FEET

UNIT 2 WELLS INDICATING
A RESPONSE TO PUMPING
– ELAPSED TIME 20,000min.

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ENGINEERING & ENVIRONMENTAL SOLUTIONS

GENERAL MOTORS VEHICLE MANUFACTURING
LINDEN ASSEMBLY
LINDEN, NEW JERSEY

UNIT 2 WELLS EXTRAPOLATED
RESPONSE TO PUMPING –
ELAPSED TIME 20,000 MIN.

SCALE: AS SHOWN

SEPTEMBER 27, 2005

FIGURE C–4

G:\28499\308\CA750\FIGURES\28499-Well_Drawdown_r2.dwg

APPENDIX D

Derivation of Criterion for Recreational Contact with TCE in Surface Water

APPENDIX D

Derivation of Criterion for Recreational Contact with TCE in Surface Water

D1 Introduction

This appendix provides information and calculations that support the development of a risk-based criterion for recreational contact with TCE in the surface water to answer Question 6 of the CA750 determination.

D2 Exposure Routes and Exposure Factors

Potential routes of exposure of a recreational wader to surface water would include incidental ingestion, dermal contact, and inhalation of vapor. A risk-based criterion for recreational contact with TCE in surface water was calculated using the exposure factors for recreational waders that were discussed in Section 5.04.E.4 of the RFI Report.

In addition to the recreational wader exposure factors presented in the RFI report, the following exposure factors are also used:

Water Ingestion Rate

A rate of 0.005 L/hour is used for incidental ingestion of surface water during recreational wading. This rate is 10% of the rate that USEPA (1989) recommends for ingestion while swimming.

Dermal Contact Rates and Absorption

Recreational waders are conservatively assumed to be covered with surface water over the exposed skin surface area for 2 hours per event. The absorbed dose for organic chemicals in water is estimated using a nonsteady-state approach (USEPA 2004). The permeability coefficient (K_p) for dermal absorption of TCE is estimated following USEPA guidance (2004).

The exposure factors are provided in Attachment D1.

D3 Fate and Transport Models

The following models are used to calculate the risk-based criterion for recreational contact with TCE in surface water. These models are used by USEPA and state regulatory agencies for screening-level analysis. The following is a brief description of the models. Physical and chemical information used in the calculations is provided in Attachment D.1.

Vapor Emission from Exposed Water

The vapor emission rate from the stream at a specific time (t) is calculated by the following equation (USEPA 1995a, Equation 12):

$$N = K \cdot C_L \cdot A$$

where

- N: Emission rate from the stream
- K: Overall mass transfer coefficient, calculated as described in USEPA 1995a, Equations 1, 2, and 7
- C_L: Concentration of chemical in stream water
- A: Surface area of stream

Rearranging the equation for the flux (J_L) of a chemical from the stream gives the following equation:

$$J_L = N/A = K \cdot C_L$$

For volatile chemicals, the air concentration above the stream is then calculated by multiplying the flux of a chemical from the stream and the maximum normalized air concentration, as follows:

$$C_{air} = (C/Q) \cdot (J_L)$$

where

C_{air}: Concentration of chemical in air

C/Q: Maximum normalized air concentration

J_L: Flux of chemical from stream water

Air Dispersion

The air dispersion (C/Q) term used in the calculation of vapor emission from surface water is estimated using USEPA's SCREEN3 air dispersion model (USEPA 1995b). The area-source algorithm in SCREEN3 is used with site-specific wind speed of 4.2 m/s, stability class 4, and default or region-specific meteorological parameters to estimate maximum 1-hour normalized air concentrations at a receptor height of 1.5 m. The source area is estimated as a rectangular source and the averaging time is adjusted according to the specific exposure as described below.

For potential exposures of recreational waders to surface water, an area source of a 300 m in length and 6 m in width is assumed, which corresponds to a conservative estimate of the area a recreational receptor could be exposed to during the exposure time of two hours per event. The maximum 1-hour air concentrations from SCREEN3 are converted to maximum 24-hour average air concentrations using a conservative factor of 0.4 (USEPA 1995b).

The air concentration estimated using the above approach is expected to predict higher than actual air concentrations to which the receptor would be exposed because of the conservatism associated with model assumptions and parameters.

D4 Toxicity Values

The toxicity values for TCE are the same as those that were discussed in Section 5.05 of the RFI Report and provided in Attachment D.1.

D5 Risk-Based Criterion for Recreational Contact with TCE in Surface Water

The criteria for the ingestion and dermal routes are calculated in a manner similar to the method discussed in Section 5.06 of the RFI report.

The risk-based criterion for the inhalation route is calculated as follows:

$$RBC = \frac{TR \cdot AT}{URF \cdot ET \cdot EF \cdot ED}(J \cdot C/Q)^{-1}$$

where the product $J \cdot C/Q$ is an air concentration that is normalized to unit concentration in water (1 mg/L). As discussed in Section D3, the J term is the normalized average vapor or particulate flux, and the C/Q term is a normalized air concentration.

The risk-based criteria for each route of exposure are then combined to give cancer and noncancer criteria that are based on the combination of all three routes, as follows:

$$RBC = \left(\sum_i RBC_i^{-1} \right)^{-1}$$

The risk-based criterion for recreational contact with TCE in the surface water is provided in Attachment D.1.

D6 References

United States Environmental Protection Agency (USEPA). 1989. Office of Emergency and Remedial Response. Risk Assessment Guidance for Superfund. Volume I, Human Health Evaluation Manual. Washington, DC. EPA/540-1-89-002. OSWER Directive 9285.7-01a. December.

United States Environmental Protection Agency (USEPA). 1995a. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: *Stationary Point and Area Sources*. January.

United States Environmental Protection Agency (USEPA). 1995b. Emissions, Monitoring, and Analysis Division. Office of Air Quality Planning and Standards. SCREEN3 Model user's guide. EPA-454/B-95-004.

United States Environmental Protection Agency (USEPA). 2004. Office of Emergency and Remedial Response. Risk Assessment Guidance for Superfund, Volume 1: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). EPA/540/R/99/005. September.

Toxicity Values
GMC - Linden, New Jersey

Chem Group	Chemical	CASRN	Cancer Classification			SF_{oral} $(mg/kg/d)^{-1}$			RfD_{oral} (mg/kg/d)				URF $(mg/m^3)^{-1}$			RfC (mg/m^3)				SF_{dermal} $(mg/kg/d)^{-1}$			RfD_{dermal} (mg/kg/d)		
			Group	Ref	Notes	Value	Ref	Notes	Value	UF	Ref	Notes	Value	Ref	Notes	Value	UF	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes
VOC	Trichloroethene	79-01-6	C-B2	49	18	1.10E-02	49		6.00E-03	3000	46	6, 97	1.70E-03	49		NA				1.10E-02	125	104	6.00E-03	125	104
NA	Not Available																								

References

46 USEPA. NCEA. 1995. Risk Assessment Issue paper for: Provisional oral RfD for Trichloroethylene [CASRN 79-01-6].

49 USEPA. NCEA. 1995. Risk Assessment Issue paper for: Carcinogenicity Information for Trichloroethylene (TCE) [CASRN 79-01-6]. September 6.

125 USEPA. 2004. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. July.

Notes

6 Under review, according to IRIS.

18 Not verifiable, according to IRIS.

97 ENVIRON used withdrawn source.

104 Dermal toxicity value is extrapolated from oral toxicity value in accordance with the referenced EPA guidance.

Physical and Chemical Data
GMC - Linden, New Jersey

Chem Group	Chemical	CASRN	MW (g/mole)			K_{ow} (unitless)			K_{oc} (L/kg)			H (unitless)			D_{air} (cm^2/s)			D_{water} (cm^2/s)			ABS_d (unitless)			FA (unitless)		
			Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes
VOC	Trichloroethene	79-01-6	1.31E+02	50		5.13E+02	44		1.68E+02	44	111	4.22E-01	44		7.90E-02	44		9.10E-06	44			62		1.00E+00	62	

References:

44 USEPA. 1996. Soil Screening Guidance: Technical Background Document and User Guide. Office of Emergency and Remedial Response. EPA/540/R-95/128. May.

50 USEPA. 1997. Superfund Chemical Data Matrix (SCDM). Office of Emergency and Remedial Response. September 12.

62 USEPA. 2004. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. July.

Notes:

111 ENVIRON used Equation (71) from Reference 44 to calculate Koc value using Log Kow value from indicated reference.

High-End Exposure Factors for Recreators
GMC - Linden, New Jersey

			Recreator	
			Age 1-6	Age 7-31
Incidental Surface Water Ingestion				
Drinking Rate	L-water/hr	**DR**	0.005	0.005
Events per Day	1/d	**EV**	1	1
Exposure Time	hours	**ET**	2	2
Exposure Frequency	days/year	**EF**	24	24
Expoure Duration	years	**ED**	6	24
Body Weight	kg	**BW**	15	70
Averaging Time, cancer	days	AT_c	25,550	25,550
Averaging Time, noncancer	days	AT_{nc}	10,950	10,950
Dermal Contact with Surface Water				
Event Time	hr	**t**	2	2
Skin Surface Area	cm^2	**SA**	3,520	9,000
Events per Day	1/d	**EV**	1	1
Exposure Frequency	d/yr	**EF**	24	24
Exposure Duration	yr	**ED**	6	24
Body Weight	kg	**BW**	15	70
Averaging Time, carc	d	AT_c	25,550	25,550
Averaging Time, noncarc	d	AT_{nc}	10,950	10,950
Surface Water Vapor Inhalation				
Exposure Time	hours/hours	**ET**	2/24	2/24
Exposure Frequency	days/year	**EF**	24	24
Expoure Duration	years	**ED**	6	24
Averaging Time, cancer	days	AT_c	25,550	25,550
Averaging Time, noncancer	days	AT_{nc}	10,950	10,950

Air Dispersion Factor 'C/Q' for Inhalation of Stream Vapors GMC - Linden, New Jersey	
Source Area (m^2)	C/Q (L/m^3 per L/m^2-s)
1800	1.50

Nonsteady State Dermal Absorption of Chemicals from Water
GMC - Linden, New Jersey

Chem Group	Chemical	CASRN	MW (g/mole)	Log K_{ow} (unitless)	K_p (cm/hr)	B (unitless)	τ (hr)	c	b	ts (hr)	FA (unitless)	DA (L/cm^2-event)
VOC	Trichloroethene	79-01-6	1.3E+02	2.7E+00	1.8E-02	7.9E-02	5.7E-01	3.9E-01	3.5E-01	1.4E+00	1.0E+00	5.53E-05

Vapor Flux (mg/m2-s per mg/L) from Surface Water
GMC - Linden, New Jersey

Analyte Group	Chemical	CASRN	H (unitless)	D_{air} (cm^2/s)	D_{water} (cm^2/s)	Sc_L (unitless)	Sc_G (unitless)	k_L (m/s)	k_G (m/s)	K_L (m/s)	J_L (mg/m^2-s)
VOC	Trichloroethene	79-01-6	4.22E-01	7.90E-02	9.10E-06	9.81E+02	1.91E+00	4.82E-06	6.25E-03	4.81E-06	4.70E-03
	Note:										
	Water density	ρ_w	1.00E+00	g/cm^3							
	Water viscosity	ν_w	8.93E-03	g/cm-s							
	Air density	ρ_a	1.20E-03	g/cm^3							
	Air viscosity	ν_a	1.81E-04	g/cm-s							
	Wind speed	u_{10}	4.2	m/s							
	Friction velocity	u	0.12	m/s							
	Stream Width		6.00	m							
	Stream effective length		300.0	m							
	Stream effective diameter	d_e	47.9	m							
	Stream water surface area	A	1800.0	m^2							
	Stream water depth	d	0.30	m							
	Stream water volume	V	540.00	m^3							
	Fetch-to-depth ratio	F/D	159.6								
	Stream Flow Rate	Q	0.37	m^3/s							

Risk Based Cancer Criteria for Exposure of Recreators to Surface Water
GMC - Linden, New Jersey

			Pathway:	Incidental Ingestion of Surface Water			Dermal Contact with Surface Water				Inhalation of Vapor from Surface Water			
Chem Group	Chemical	CASRN	Carc Class	LADD (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	RBC (mg/L)	DA (L/cm^2-event)	LADD (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	RBC (mg/L)	C_{air} (mg/m^3)	URF $(mg/m^3)^{-1}$	RBC (mg/L)	Combined RBC (mg/L)
VOC	Trichloroethene	79-01-6	C-B2	7.0E-06	1.1E-02	1.3E+02	5.5E-05	2.3E-04	1.1E-02	3.9E+00	7.1E-03	1.7E-03	3.5E+02	3.7E+00

Risk Based Noncancer Criteria for Exposure of Recreators to Surface Water
GMC - Linden, New Jersey

		Pathway:		Incidental Ingestion of Surface Water			Dermal Contact with Surface Water				Inhalation of Vapor from Surface Water			
Chem Group	Chemical	CASRN	Carc Class	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBC (mg/L)	DA (L/cm^2-event)	ADD (mg/kg/d)	RfD_{derm} $(mg/kg/d)^{-1}$	RBC (mg/L)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBC (mg/L)	Combined RBC (mg/L)
VOC	Trichloroethene	79-01-6	C-B2	1.6E-05	6.0E-03	3.7E+02	5.5E-05	5.4E-04	6.0E-03	1.1E+01	7.1E-03			1.1E+01