JUNE 2002 STATUS REPORT

COLISEUM BOULEVARD PLUME INVESTIGATION

DEPARTMENT OF TRANSPORTATION

July 29, 2002

Submitted to:
The Alabama Department of Environmental Management
Montgomery, Alabama

June 2002
Status Report

Water Level Measurements

- June 13 and 14, 2002: Depths to ground-water were measured in piezometers and monitoring wells associated with the Coliseum Boulevard Plume Investigation. Ground-water elevations on June 13 and 14, 2002 are provided in Tables 1a through 1e and are shown on Plates 1 and 2. Ground-water elevations on June 13 and 14, 2002 in the 100-series "shallow zone" monitoring wells and piezometers are shown on Plate 1. Ground-water elevations in the 200-series "shallow zone" monitoring wells are shown on Plate 2. The locations of the monitoring wells and piezometers are shown on Figure 1.

Surface Water Sampling

- June 13, 2002: Surface-water samples were collected along the main and west branches of the Kilby Ditch and from storm sewer manhole SW-15. Locations from which the surface-water samples were collected are shown on Figure 2. The surface water samples were analyzed for VOCs (volatile organic compounds). Results of these analyses are provided in Table 2. On June 13, 2002, samples were collected and analyzed from 13 of the 17 surface water sample locations (SW-2A, SW-2B, SW-3, SW-5 through SW-13, and SW-15). Surface water sample locations SW-1, SW-4, and SW-14 were dry on June 13, 2002. A surface water sample was not collected from storm sewer manhole SW-16 because there was insufficient water. The laboratory reports for the analyses of the surface water samples are provided in Attachment A.

Water Treatment and Soil/Sludge Management

- June 7, 2002: Water accumulated during decontamination of equipment, purging, and sampling during the months of March through June 2002, was treated through a liquid-phase carbon filter treatment system at the ALDOT staging area. A total of 265 gallons of water were treated (see Table 3). The treated water was discharged into the sanitary

sewer at the staging area. Samples were collected on June 7, 2002, from water discharged from the first carbon filter to monitor for breakthrough and the third carbon filter to monitor for compliance with the Montgomery Water Works and Sanitary Sewer Board discharge requirements. The water samples were submitted for VOC analyses. Results of these analyses are provided on Table 3. Laboratory reports of the analytical results for samples collected on June 7, 2002 are provided in Attachment A.

- June 12, 2002: Samples of carbon were collected from the four carbon filter drums that had been removed and replaced with new carbon filters during the previous months. The samples of carbon were analyzed for total TCE. TCE was not detected in the samples. The used carbon filters will be returned to Tetrasolv Filtration for recycling in Anderson, Indiana in the month of July.

- June 19, 2002: On June 19, 2002, soil/sludge from one roll-off box generated during field activities for the Addendum 03 and 06 Work Plans, was disposed of at the Salem Waste Disposal Center in Lee County, Alabama. The sludge from the roll-off box was solidified prior to disposal by the Salem Waste Disposal Center. A copy of the non-hazardous waste manifest is provided in Attachment B.

- June 21, 2002: On June 21, 2002, the soil cuttings and other IDW from two roll-off boxes generated during the field activities for Addendum 03 and 06 Work Plans were disposed of at the North Montgomery Landfill in Montgomery County, Alabama. A copy of the receipt is provided in Attachment B.

Ambient Air and Soil Vapor Monitoring (Addendum 09-Revision 1)

- June 3 -7 and 17 – 20, 2002: Field activities were performed to collect samples of soil vapor, ambient air and crawl space air at thirty (30) selected locations in accordance with the Addendum 09-Revision 1 Work Plan (Ambient Air and Soil Vapor Monitoring). A soil vapor push probe was driven at an angle under the house at each of the 30 locations. An ambient air sample was collected at each of the 30 locations. Air within the crawl spaces at 11 locations was collected. Breathing zone open air samples were collected at two of the locations. In addition, wind rose samples were collected along the north, south, west, and east boundaries of the site on June 4, 6, 18, and 19, 2002. Approximately 10 percent of the samples were collected in duplicate for quality assurance/quality control measures. Summa canisters and associated sampling trains were used for sample collection. Each sample was collected for twenty four (24) hours.

The Summa canisters were shipped to Coast to Coast Analytical Specialists, Inc. (CCAS) and York Analytical Services for analyses. Results of the analyses of the samples are currently pending quality assurance/quality control review.

Quality Assurance/Quality Control

- During field activities in June 2002, quality assurance/quality control measures were performed. A trip blank sample accompanied the surface water samples that were submitted for analyses for VOCs. The result of the analyses for VOCs in the trip blank sample is provided in Table 4. The laboratory report of the analyses is provided in Attachment A.

TABLES

Table 1a. Ground-water elevations of ALDOT wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (ALDOT Central Complex)									
	ALDOT MW1	ALDOT MW2	ALDOT MW3	ALDOT MW4	ALDOT MW5	ALDOT MW6	ALDOT MW7	ALDOT MW8	ALDOT MW9	
Elevation of Measuring Point (ft. AMSL)[1]	218.42	218.76	211.01	213.79	218.06	218.76	217.97	218.62	216.97	
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
6/14/01	196.37	196.66	196.32	196.10	195.86	195.72	197.02	196.51	196.49	
6/26/01			196.33							
7/13/01	196.55	196.80	196.44	194.32	196.03	195.81	196.10	196.61	---[2]	
8/9/01	196.33	196.54	196.24	196.04	195.79	195.63	195.96	196.43	196.37	
9/7/01	196.31	196.43	196.17	195.99	195.78	195.72	195.74	196.47	196.34	
10/3/01	196.08	196.19	195.91	195.79	195.59	195.50	195.53	196.25	196.16	
10/31/01	196.39	195.86	195.60	195.19	195.23	195.16	195.21	195.92	195.80	
12/3/01	195.32	195.39	195.20	195.01	194.86	195.25	194.95	195.52	195.33	
12/14/01			195.09							
12/27/01	195.06	195.19	195.05	194.89	194.70	195.68	194.70	195.30	195.09	
1/11/02			194.97							
1/21-22/02	194.81	195.01	194.94	194.78	194.48	195.58	194.46	195.32	194.92	
2/14/02			195.32							
2/25/02	195.37	195.34	195.36	195.20	194.95	194.71	195.02	195.35	195.10	
3/19-20/02	195.46	195.46	195.47	195.29	195.03	194.70	195.13	195.43	195.16	
4/18/02	195.67	195.73	195.63	195.49	195.21	194.91	195.29	195.66	195.48	
5/16/02	195.38	195.50	195.32	195.16	194.93	194.71	194.98	195.43	195.27	
6/13/02	195.19	195.25	195.11	194.96	194.84	194.65	194.79	195.19	195.02	

Note:

[1] Feet above mean sea level.

[2] ALDOT monitoring well MW-9 was not accessible on July 13, 2001 because the gate was locked.

Table 1b. Ground-water elevations of piezometers; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers)									
	PZ1	PZ2	PZ3	PZ4	PZ5	PZ6	PZ7	PZ8	PZ9	PZ10
Elevation of Measuring Point (ft. AMSL)[1]	220.93	207.20	220.50	216.19	204.72	212.41	206.20	209.51	205.12	213.93
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
6/1/01										
6/14/01	196.82	196.84	196.65	191.22	196.81	---[2]	196.84	193.16	194.61	195.73
6/26/01										
7/13/01	196.67	197.00	196.56	191.07	197.15		197.16	196.87	194.96	195.79
7/26/01										
8/9/01	196.56	197.43	196.35	190.83			196.54	199.08	194.15	195.44
8/24/01										
9/7/01	196.56	196.35	196.50	190.84	196.18		196.19	195.64	193.63	195.28
9/20/01										
10/3/01	196.17	195.70	196.15	190.39	195.59		195.58	194.95	193.06	194.97
10/15/01										
10/31/01	195.39	195.25	195.78	187.99	195.07		195.05	194.26	192.40	194.53
12/3/01	---[3]	191.50	195.49	188.28	194.62		194.69		191.81	193.91
12/14/01										
12/27/01	195.01	194.99	195.07	188.93	194.82		194.76	193.90	191.75	193.63
1/11/02										
1/21-22/02	194.83	191.85	195.00	188.47	194.88		194.80	193.21	191.37	193.52
2/14/02										
2/26/02	193.88	191.89	194.96	188.48	195.23		194.85	193.16	187.84	191.78
3/19-20/02	195.13	195.68	195.13	188.57	195.54		195.48	194.72	192.56	193.72
4/17/02	195.50	195.99	195.44	188.97	195.75		195.69	195.09	192.95	194.20
5/16-17/02	195.32	195.32	195.22	188.87	193.66		196.70	194.43	192.31	193.95
6/13-14/02	195.05	194.90	194.94	188.49	194.72		194.64	193.81	191.75	193.59

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Table 1b. Ground-water elevations of piezometers; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers) - Continued									
	PZ11	PZ12	PZ13	PZ14	PZ15	PZ16				
Elevation of Measuring Point (ft. AMSL)[1]	211.76	212.26	207.95	204.54	220.37	193.44				
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
6/1/01						187.10				
6/14/01	190.77	197.21	195.77	197.01	183.91	184.56				
6/26/01						187.45				
7/13/01	190.95	197.35	195.97	197.13	183.79	187.58				
7/26/01						187.27				
8/9/01	190.45	196.68	198.52	196.56	183.66	187.24				
8/24/01						187.17				
9/7/01	190.08	196.12	198.35	196.03	183.41	187.09				
9/20/01						186.95				
10/3/01	189.69	195.26	195.00	195.19	183.12	186.78				
10/15/01						188.29				
10/31/01	189.10	194.62	194.75	194.63	182.59	186.70				
12/3/01	188.42	194.36	194.65	194.44	182.02	186.75				
12/14/01						187.04				
12/27/01	188.08	194.46	194.95	194.62	181.54	186.99				
1/11/02						186.93				
1/21-22/02	188.15	194.63	194.85	189.30	181.82	187.03				
2/14/02						187.59				
2/26/02	185.44	192.32	188.01	189.58	176.98	184.42				
3/19-20/02	188.14	195.21	195.50	195.31	180.72	187.19				
4/17/02	188.66	195.55	195.38	195.57	181.08	187.10				
5/16-17/02	188.32	194.79	195.01	194.76	181.03	186.69				
6/13-14/02	187.90	194.11	194.71	194.15	180.71	186.55				

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Table 1b. Ground-water elevations of piezometers; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers) - Continued									
	PD1	PD2	PD3	PD4	PD-101	PD-102	PD-103	PD-104	PD-105	PD-106
Elevation of Measuring Point (ft. AMSL)[1]	205.97	201.74	202.52	202.15	200.76	205.52	208.29	200.01	199.20	199.59
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
6/1/01	196.03	195.66	192.35	194.13	193.36	192.52	193.45	188.86	190.68	185.06
6/14/01	196.03	195.73	188.28	194.20	193.39	189.17	189.54	188.86	190.60	184.62
6/26/01	196.07	195.73	192.56	194.23	193.47	192.69	193.64	188.86	190.63	185.09
7/13/01	196.86[4]	195.98	192.77	194.40	193.66	191.99	193.98	191.30	190.77	189.30
7/26/01	197.03[4]	195.74	192.49	194.54	193.71	195.79	193.90	188.99	190.78	189.19
8/9/01	195.98	195.60	192.37	194.16	193.41	195.54	Dry	189.85	190.51	182.96
8/15/01			192.78[5]	194.44[5]	193.70[5]	199.44[5]		188.97[5]	190.85[5]	
8/21/01	---[6]	195.56[7]	192.42[7]	194.17[7]	193.61[7]	195.70[7]	193.59[7]	188.81[7]	188.05[7]	185.10[7]
8/24/01	195.91	195.55	192.39	194.15	193.40	192.53	193.51	188.85	190.48	185.12
9/7/01	195.79	195.45	192.27	193.95	193.48	192.48	193.54	188.86	190.60	185.29
9/20/01	195.62	195.28	192.14	193.92	193.24	192.29	193.14	188.87	190.36	185.13
10/3/01	195.45	194.94	191.98	194.05	193.27	192.13	202.94	188.96	190.48	185.31
10/15/01	195.37	195.09	191.92	193.72	193.01	191.93	192.84	191.16		188.59
10/31/01	195.16	194.84	191.74	193.55	192.86	191.76	192.69	188.84	190.12	185.12
12/3/01	194.82	194.64	191.60	193.35	192.71	191.51	192.35	188.75	189.95	185.09
12/14/01	194.87	194.64	191.97	193.64	193.06	191.49	192.38	188.96	190.33	185.07
12/27/01	194.75	194.63	191.87	193.46	192.85	191.67	192.68	191.81	190.20	185.10
1/11/02	194.57	194.44	192.01	191.95	192.94	191.62	192.39	188.71	190.19	185.03
1/21-22/02	194.55	189.29	192.37	192.03	188.51	192.04	192.69	188.76	190.56	184.79
2/14/02	195.27	195.16	192.65	194.07	193.38	192.70	193.56	188.19	190.69	184.74
2/26/02	194.82	----[8]	192.28	192.01	188.53	192.32	192.99	188.44	190.50	183.73
3/19-20/02	195.40	195.25	192.49	194.07	193.35	192.48	193.32	193.99	190.60	189.08
4/18/02	195.10	195.04	191.63	194.00	193.23	192.41	193.29	188.86	190.45	185.09
5/16-17/02	195.12	194.93	191.99	193.72	193.07	191.96	192.81	188.84	190.56	185.08
6/13-14/02	194.77	194.70	191.73	193.49	192.88	191.62	192.50	188.75	190.02	185.03

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Table 1b. Ground-water elevations of piezometers; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers) - Continued									
Elevation of Measuring Point (ft. AMSL)[1]	PD-107	PD-108	PD-109							
	205.63	205.58	204.59							
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
6/1/01	188.05	191.08	Dry							
6/14/01	188.08	191.04	Dry							
6/26/01	188.07	191.09	Dry							
7/13/01	188.05	191.07	Dry							
7/26/01	195.12	195.73	Dry							
8/9/01	194.93	195.38	Dry							
8/15/01	188.13[5]	191.03[5]								
8/21/01	188.03[7]	190.78[7]	Dry							
8/24/01	188.05	191.08	Dry							
9/7/01	194.76		Dry							
9/20/01	194.52		Dry							
10/3/01	188.03	Abandoned	Dry							
10/15/01	193.88		Dry							
10/31/01	188.01		Dry							
12/3/01	193.13		Dry							
12/14/01	188.18		Dry							
12/27/01	187.99		Dry							
1/11/02	187.78		Dry							
1/21-22/02	187.85		Dry							
2/14/02	187.80		Dry							
2/26/02	187.87		Dry							
3/19-20/02	194.71		Dry							
4/18/02	188.03		Dry							
5/16-17/02	188.03		Dry							
6/13-14/02	188.02		Dry							

Note:

[1] Feet above mean sea level.

[2] PZ-6 covered during road construction.

[3] PZ-1 was not measured on 12/3/01 because a car was parked over the piezometer.

[4] Based on mini troll data.

[5] Swabbed prior to measuring depth to water.

[6] Mini troll data logger in piezometer.

[7] Measured during coffer dam study.

[8] The depth to water was not measured at PD-2 on 2/26/02 due to mud covering the tip of the measuring probe.

Table 1c. Ground-water elevations of Alfa monitoring wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Alfa Monitoring Wells Vista View Development)									
Elevation of Measuring Point (ft. AMSL)[1]	Alfa MW-1	Alfa MW-2	Alfa MW-3	Alfa MW-4	Alfa MW-5					
	213.53	206.01	209.67	213.18	203.42					
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
6/1/01					187.02					
6/14/01	---[2]	---[2]	---[2]	---[2]	187.17					
7/13/01	195.86	195.16	196.96	195.67	187.36					
7/26/01					187.49					
8/9/01	195.43		196.52	195.44	187.19					
8/21/01	195.43[3]									
8/24/01			194.97		184.77					
9/4/01			198.27		187.05					
9/7/01		194.21		195.38	186.93					
9/20/01			194.71		186.82					
10/3/01	195.08	193.67	195.87	203.14	186.70					
10/15/01					186.72					
10/31/01	195.27	196.37	194.41	194.88	186.84					
12/3/01	194.43	193.24	195.04	194.47	186.51					
12/14/01					185.92					
12/27/01	194.38	193.61	194.99	194.29	186.98					
1/11/02					186.87					
1/22/02	194.38	191.40	197.83	194.18	187.24					
2/14/02					187.64					
2/26/02	194.89	194.23	195.38	194.52	187.16					
3/19-20/02	195.02	194.56	195.65	194.68	187.26					
4/17-18/02	194.98	194.38	197.77	194.21	186.67					
5/16-17/02	NM[4]	193.70	195.38	194.58	186.76					
6/13/02	194.47	193.29	195.04	194.41	186.55					

Note:

[1] Feet above mean sea level.

[2] The Alfa monitoring wells were inadvertently not measured on 6/14/01.

[3] Measured during coffer dam study.

[4] NM - Not measured; Alfa monitoring well MW-1A was inadvertently not measured on May 16, 2002.

Table 1d. Ground-water elevations of monitoring wells along Kilby Ditch; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Monitoring Wells Kilby Ditch)									
	MW 101	MW 201	MW 102	MW 202	MW 103	MW 203	OW-2	OW-3	OW-4	Pump Test Well
Elevation of Measuring Point (ft. AMSL)[1]	202.44	202.43	200.49	200.64	206.81	206.91	203.05	203.53	200.52	206.01
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
6/1/01	194.19	194.10	190.67	190.58	192.86	192.75				
6/14/01	194.23	194.14	190.79	190.54	192.79	192.74				
6/26/01	194.29	194.21	190.88	190.65	193.12	192.89				
7/13/01	194.48	194.86	191.06	190.82	193.49	193.22				
7/26/01	194.32	194.24	190.74	190.59	193.10	192.91	194.36	194.42	193.67	194.29
8/9/01	194.18	194.10	190.70	190.49	192.96	192.77	194.21	194.28	193.57	194.45
8/15/01[2]	194.28	194.19								
8/21/01[3]	194.22	194.14	190.64	190.41	193.02	192.88	194.26	194.31	193.58	194.18
8/24/01	194.16	194.08	190.69	190.39	192.94	192.76	194.20	194.26	193.58	194.13
9/7/01	194.09	193.98	190.65	192.34	192.69	192.57	194.11	194.18		197.21
9/20/01	193.96	193.89	190.48	190.23	192.50	192.43	194.05	194.04		197.12
10/3/01	193.84	193.77	190.29	190.10	192.32	192.25	193.85	193.93	Abandoned	196.93
10/15/01	193.74	193.67	190.57	190.14	192.27	192.16	193.77	193.78		196.90
10/31/01	193.60	193.51	190.29	190.08	192.08	192.00	193.62	193.63		196.76
12/3/01	193.19	193.30	190.28	190.14	190.98	191.71	193.39	193.13		196.57
12/14/01	193.64	194.06	190.60	190.44	191.79	191.74	193.61	193.63		196.79
12/27/01	193.49	193.43	190.67	190.38	191.96	191.86	193.50	193.53		196.65
1/11/02	193.48	193.43	190.69	190.39	191.96	191.84	193.50	193.39		196.64
1/22/02	193.79	193.70	191.29	190.83	192.55	192.20	193.35	193.78		196.96
2/14/02	194.14	194.06	191.31	190.98	193.37	192.90	194.15	194.19		197.29
2/26/02	193.92	193.85	190.92	190.67	192.76	192.52	193.96	193.99		197.09
3/19-20/02	194.11	194.03	191.12	190.82	192.93	192.63	194.13	194.18		197.27
4/18/02	194.12	194.06	191.29	191.13	191.91	191.92	193.70	194.13		197.51
5/17/02	193.76	193.69	190.19	190.53	192.28	192.16	193.77	193.80		196.91
6/13-14/02	193.50	193.45	190.14	189.96	191.90	191.88	193.47	193.55		196.66

Note:

[1] Feet above mean sea level.

[2] Swabbed prior to measuring depth to water.

[3] Measured during coffer dam study.

Table 1e. Ground-water elevations of 100-, 200-, & 300-series monitoring wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells)									
	MW 104	MW 204	MW304	MW 105	MW 205	MW 106	MW 206	MW 107	MW 207	
Elevation of Measuring Point (ft. AMSL)[1]	217.68	217.91	217.64	216.63	217.04	222.24	222.17	222.33	222.42	
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
7/13/01			195.64							
8/9/01			195.46							
9/7/01			195.45							
10/3/01			195.22							
10/31/01			194.94							
12/3/01			194.54							
12/27-28/01	194.75	194.76	194.38	195.21	195.20	195.14	195.17	195.18	195.14	
1/21-22/02	194.47	194.51	194.23	195.03	195.04	194.89	194.95	194.98	195.00	
2/25-26/02	194.96	194.98	194.59	195.23	195.23	195.16	195.18	195.26	195.29	
3/19-20/02	195.04	195.06	194.65	195.31	195.30	195.25	195.26	195.37	195.39	
4/18/02	195.23	195.26	194.84	195.56	195.57	195.57	195.56	195.72	195.69	
5/16-17/02	194.95	194.97	194.59	195.34	195.35	195.39	195.40	195.50	195.50	
6/13-14/02	194.88	194.87	194.43	195.10	195.11	195.14	195.20	195.23	195.23	

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Table 1e. Ground-water elevations of 100-, 200-, & 300-series monitoring wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 108	MW 208	MW 109	MW 209	MW 210	MW 111	MW 211	MW 311	MW 112	MW 212
Elevation of Measuring Point (ft. AMSL)[1]	212.59	212.76	220.91	220.31	188.74	211.52	211.75	210.82	220.34	220.40
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01										
12/27-28/01	195.09	195.11	195.26	195.21	185.76	173.52	173.30		191.61	191.65
1/21-22/02	195.03	195.06	195.05	195.10	185.59	173.17	172.95		191.63	191.55
2/25-26/02	195.38	195.40	195.39	195.37	186.19	172.91	172.74	173.06	191.97	191.91
3/19-20/02	195.47	195.47	195.46	195.45	186.21	172.88	172.79	173.01	192.05	192.01
4/17-18/02	195.67	195.69	195.66	195.66	185.54	173.00	172.84	173.19	192.29	192.21
5/16-17/02	195.33	195.42	195.40	195.36	185.93	172.81	172.62	172.98	192.01	191.96
6/13-14/02	195.11	195.12	195.21	195.19	185.88	172.56	172.39	172.72	191.73	191.77

Continued on next page

Table 1e. Ground-water elevations of 100-, 200-, & 300-series monitoring wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 113	MW 213	MW 214	MW 214A	MW 115	MW 215	MW 116	MW 216	MW 117	MW 217
Elevation of Measuring Point (ft. AMSL)[1]	207.37	207.41	174.73	174.71	212.06	211.81	194.02	194.04	218.90	218.86
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01										
12/27-28/01	194.97	194.96	167.75	166.11	194.68	194.17	185.58	185.47	182.57	182.06
1/21-22/02	195.17	195.07	169.93	166.69	194.74	194.21	185.69	185.53	181.73	181.56
2/25-26/02	195.36	195.36	168.27	167.25	195.14	194.58	185.84	185.67	181.45	181.33
3/19-20/02	195.72	195.71	169.67	167.50	195.41	194.93	185.84	185.68	181.43	181.30
4/17-18/02	195.83	195.83	167.24	169.78	195.76	195.26	185.86	185.67	181.80	181.71
5/16-17/02	195.32	195.32	169.01	165.81	195.01	194.50	185.67	185.50	181.75	181.62
6/13-14/02	194.90	194.91	168.02	165.05	194.55	193.82	185.56	185.41	181.42	181.31

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Table 1e. Ground-water elevations of 100-, 200-, & 300-series monitoring wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 118	MW 218	MW 219	MW 220	MW 221	MW 122	MW 222	MW 123	MW 223	
Elevation of Measuring Point (ft. AMSL)[1]	203.18	203.23	202.88	219.25	183.60	214.65	214.47	216.44	216.34	
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01										
12/28/01	191.44	191.34	193.48	193.28	166.78	194.15	194.06	194.28	194.20	
1/21-22/02	191.62	191.53	194.55	193.22	166.68	194.04	193.77	194.02	193.97	
2/25-26/02	192.07	192.00	194.31	193.47	166.96	194.25	194.12	194.05	193.96	
3/19-20/02	192.65	192.54	194.97	193.55	167.19	194.32	194.19	194.13	194.04	
4/17-18/02	192.85	192.78	194.53	----[2]	167.67	194.51	194.25	194.56	194.45	
5/16-17/02	191.99	191.93	193.64	193.47	167.40	194.26	194.14	194.25	194.15	
6/13-14/02	191.44	191.37	193.18	193.25	167.12	194.11	193.99	193.97	193.87	

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Table 1e. Ground-water elevations of 100-, 200-, & 300-series monitoring wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 124	MW 224	MW 125	MW 225	MW 226	MW 227	MW 128	MW 228	MW 129	MW 229
Elevation of Measuring Point (ft. AMSL)[1]	219.11	219.25	206.43	206.32	203.61	205.16	212.11	212.23	214.62	214.32
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01										
12/28/01	189.71	190.08	188.71	188.78	188.66	194.39	191.41	191.42	194.58	194.22
1/21-22/02	190.11	190.13	188.81	188.83	188.79	194.44	191.31	191.26	194.56	194.55
2/25-26/02	190.69	190.68	189.25	189.24	189.13	194.94	191.63	191.58	195.04	195.03
3/19-20/02	190.73	190.71	189.22	189.21	189.09	195.10	191.82	191.76	195.14	195.12
4/17-18/02	190.88	190.87	189.32	189.29	189.10	196.13	192.36	192.30	194.45	194.42
5/16-17/02	190.49	190.49	188.94	188.93	188.64	194.85	191.96	191.91	194.97	194.96
6/13-14/02	190.05	190.34	188.72	188.71	188.48	194.56	191.43	191.40	194.69	194.66

Continued on next page

Table 1e. Ground-water elevations of 100-, 200-, & 300-series monitoring wells; June 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
Elevation of Measuring Point (ft. AMSL)[1]	MW 130	MW 230	MW 131	MW 231	MW 132	MW 232	MW 133	MW 233	MW 134	MW 234
	215.71	215.68	205.92	205.92	215.20	215.25	205.04	204.90	209.33	209.51
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01										
12/27-28/01	194.37	194.38	194.87	194.89	193.00	192.96	194.42	194.49	194.07	194.06
1/21-22/02	194.29	194.31	195.01	195.04	192.75	192.66	194.59	194.43	193.88	194.01
2/25-26/02	194.64	194.70	195.31	195.29	192.95	192.89	194.94	194.89	194.47	194.57
3/19-20/02	194.88	194.89	195.50	195.59	193.05	193.02	195.21	195.14	194.87	194.86
4/17/02	195.41	195.43	195.05	195.10	193.55	193.55	195.16	195.12	195.23	195.27
5/16-17/02	194.98	194.99	195.26	195.26	193.32	193.28	194.71	194.67	194.54	194.58
6/13-14/02	194.53	194.52	194.99	194.91	192.93	192.89	194.38	194.35	193.94	193.96

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells were surveyed by Larry E. Speaks & Associates.

[2] Monitoring well MW-220 was not measured on 4/18/02 due to an oversight by the field techncian.

Table 2. Results of analyses[1] of surface-water samples; June 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]
July 24, 2000 (No storm events several days prior to sampling)																				
Trichloroethylene	NS[3]	15	----	----	10.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vinyl Chloride	NS	ND[4]	----	----	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
cis,1,2-Dichloroethene	NS	2.5	----	----	2.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	NS	3.2	----	----	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Toluene	NS	13.4	----	----	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
August 2, 2000 (Storm event during sampling)																				
Trichloroethylene	ND	ND	----	----	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
August 11, 2000 (Storm event prior evening - August 10, 2000)																				
Trichloroethylene	ND	ND	----	----	2.1	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Toluene	ND	1.1	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
September 18, 2000																				
Trichloroethylene	NS	ND	----	----	2.1	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vinyl Chloride	NS	ND	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	NS	41.6	----	----	10.3	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Bromodichloromethane	NS	6.2	----	----	1.8	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Dibromochloromethane	NS	1.5	----	----	ND	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
November 9, 2000 (Storm event during sampling)																				
Trichloroethylene	ND	ND	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
December 15, 2000																				
Trichloroethylene	ND	ND	----	----	8.1	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Toluene	ND	2.5	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
January 31, 2001																				
Trichloroethylene	ND	34.5	----	----	17.4	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	ND	1.3	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
February 27, 2001																				
Trichloroethylene	ND	100	----	----	21.1	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1,1-Dichloroethene	ND	1.1	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
cis,1,2-Dichloroethene	ND	1.5	----	----	1.4	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	ND	1.2	----	----	ND	ND	----	----	----	----	----	----	----	----	----	----	----	----	----	----
March 30, 2001																				
Trichloroethylene	ND	156	----	----	68.0	ND	157	----	----	ND	ND	51.9	33.8	19.7	18.3	ND	3.4	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	----	----	----
1,1-Dichloroethene	ND	2.0	----	----	ND	ND	1.1	----	----	ND	ND	ND	ND	ND	ND	ND	ND	----	----	----
cis,1,2-Dichloroethene	ND	ND	----	----	ND	ND	ND	----	----	ND	ND	1.0	ND	ND	ND	ND	ND	----	----	----

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Table 2. Results of analyses[1] of surface-water samples; June 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
April 26, 2001																				
Trichloroethylene	ND	156	----	----	66.6	NS	88.8	----	----	NS	NS	46.4	21.9	16.7	15.7	1.8	ND	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	----	----	----
1,1-Dichloroethene	ND	2.0	----	----	ND	NS	1.0	----	----	NS	NS	ND	ND	ND	ND	ND	ND	----	----	----
cis,1,2-Dichloroethene	ND	ND	----	----	ND	NS	ND	----	----	NS	NS	1.5	ND	ND	ND	ND	ND	----	----	----
May 25, 2001																				
Trichloroethylene	ND	140	----	----	24.3	ND	95.5	----	----	ND	ND	23.8	31.6	21.7	21.3	1.4	ND	----	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	----	----	----
1,1-Dichloroethene	ND	1.6	----	----	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	----	----	----
cis,1,2-Dichloroethene	ND	ND	----	----	ND	ND	1.1	----	----	ND	ND	ND	1.0	ND	ND	ND	ND	----	----	----
June 7, 2001																				
Trichloroethylene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	21.4	----	----
Vinyl Chloride	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	ND	----	----
June 21, 2001																				
Trichloroethylene	ND	118	----	----	39.6	ND	87.9	----	----	ND	ND	19.4	15.6	9.8	10.5	1.1	ND	14.8	----	----
Vinyl Chloride	ND	ND	----	----	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
Chloromethane	ND	ND	----	----	ND	ND	ND	----	----	ND	ND	ND	ND	ND	1.0	ND	ND	ND	----	----
1,1-Dichloroethene	ND	1.2	----	----	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
cis,1,2-Dichloroethene	ND	ND	----	----	ND	ND	1.2	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
Chloroform	ND	3.4	----	----	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
July 24, 2001																				
Trichloroethylene	ND	154	----	----	46.0	NS	68.2	----	----	NS	NS	25.4	15.1	5.9	6.3	ND	ND	12.0	----	----
Vinyl Chloride	ND	ND	----	----	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	----	----
1,1-Dichloroethene	ND	1.5	----	----	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	----	----
cis,1,2-Dichloroethene	ND	ND	----	----	ND	NS	1.0	----	----	NS	NS	1.3	1.0	ND	ND	ND	ND	ND	----	----
August 17, 2001																				
Trichloroethylene	ND	191	----	----	39.9	NS	66.6	----	----	NS	ND	18.4	6.0	5.6	7.0	ND	ND	6.4	----	----
Vinyl Chloride	ND	ND	----	----	ND	NS	ND	----	----	NS	ND	ND	ND	ND	ND	ND	ND	ND	----	----
1,1-Dichloroethene	ND	1.2	----	----	ND	NS	1.7	----	----	NS	ND	ND	ND	ND	ND	ND	ND	ND	----	----
August 22, 2001 (3:30 p.m.)																				
Trichloroethylene	----	----	87.3	195	----	----	63.3	----	----	----	----	----	----	----	----	----	----	10.2	227	295
Vinyl Chloride	----	----	1.8	ND	----	----	ND	----	----	----	----	----	----	----	----	----	----	ND	ND	ND
1,1-Dichloroethene	----	----	ND	2.4	----	----	ND	----	----	----	----	----	----	----	----	----	----	ND	5.6	3.4
cis,1,2-Dichloroethene	----	----	9.1	ND	----	----	1.4	----	----	----	----	----	----	----	----	----	----	ND	ND	ND
Chloroform	----	----	ND	ND	----	----	ND	----	----	----	----	----	----	----	----	----	----	1.3	ND	ND

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Table 2. Results of analyses[1] of surface-water samples; June 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
August 22, 2001 (9:55 p.m.)																				
Trichloroethylene	----	----	143	174	----	----	69.3	----	----	----	----	----	----	----	----	----	----	9.4	222	300
Chloromethane	----	----	1.2	ND	----	----	2.3	----	----	----	----	----	----	----	----	----	----	ND	ND	ND
Vinyl Chloride	----	----	2.9	ND	----	----	ND	----	----	----	----	----	----	----	----	----	----	ND	ND	ND
1,1-Dichloroethene	----	----	1.5	2.1	----	----	ND	----	----	----	----	----	----	----	----	----	----	ND	5.9	3.6
cis,1,2-Dichloroethene	----	----	16.8	ND	----	----	1.5	----	----	----	----	----	----	----	----	----	----	ND	ND	ND
Chloroform	----	----	ND	ND	----	----	ND	----	----	----	----	----	----	----	----	----	----	1.3	ND	ND
August 23, 2001 (8:30 a.m.)[5]																				
Trichloroethylene	----	----	116	146	----	----	----	62.3	ND	----	----	----	----	----	----	----	----	9.8	212	252
Chloromethane	----	----	ND	ND	----	----	----	1.5	ND	----	----	----	----	----	----	----	----	ND	ND	ND
Vinyl Chloride	----	----	2.8	ND	----	----	----	ND	ND	----	----	----	----	----	----	----	----	ND	ND	ND
1,1-Dichloroethene	----	----	1.2	1.6	----	----	----	ND	ND	----	----	----	----	----	----	----	----	ND	6.3	3.1
cis,1,2-Dichloroethene	----	----	13.8	ND	----	----	----	1.3	ND	----	----	----	----	----	----	----	----	ND	ND	ND
Chloroform	----	----	ND	ND	----	----	----	ND	ND	----	----	----	----	----	----	----	----	1.2	ND	ND
September 20, 2001[6]																				
Trichloroethylene	ND	----	88.3	156	33.0	ND	69.2	----	----	ND	ND	23.0	21.0	7.0	10.5	ND	ND	6.2	----	----
Chloromethane	ND	----	ND	ND	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
Vinyl Chloride	ND	----	1.6	ND	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
Chloroethane	ND	----	ND	ND	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
1,1-Dichloroethene	ND	----	ND	1.5	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	----
cis,1,2-Dichloroethene	ND	----	8.4	ND	ND	ND	1.2	----	----	ND	ND	ND	1.4	ND	ND	ND	ND	ND	----	----
Chloroform	ND	----	1.6	3.4	1.6	ND	1.5	----	----	ND	ND	3.3	ND	ND	ND	ND	ND	ND	----	----
September 28, 2001																				
Trichloroethylene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	160	225
Vinyl Chloride	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	ND	ND
1,1-Dichloroethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	3.5	2.4
cis,1,2-Dichloroethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	ND	1.7
Chloroform	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	ND	ND
October 10, 2001																				
Trichloroethylene	NS	----	87.2	115	19.9	NS	49.3	----	----	NS	NS	17.2	4.6	3.0	8.7	ND	ND	5.8	171	233
Vinyl Chloride	NS	----	ND	ND	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	NS	----	ND	ND	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	2.4	2.0
cis,1,2-Dichloroethene	NS	----	5.6	ND	ND	NS	ND	----	----	NS	NS	1.5	ND	ND	ND	ND	ND	ND	ND	ND
November 8, 2001																				
Trichloroethylene	NS	----	106	130	39.2	NS	91.8	----	----	ND	ND	33.5	16.7	9.0	14.2	ND	ND	NS	NS[7]	190
Vinyl Chloride	NS	----	ND	ND	ND	NS	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS[7]	ND
1,1-Dichloroethene	NS	----	1.0	1.1	ND	NS	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS[7]	1.8
cis,1,2-Dichloroethene	NS	----	5.7	ND	ND	NS	1.5	----	----	ND	ND	1.5	1.0	ND	ND	ND	ND	NS	NS[7]	ND

Continued on next page

Table 2. Results of analyses[1] of surface-water samples; June 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
December 4, 2001																				
Trichloroethylene	ND	----	107	27.5	37.3	ND	79.0	----	----	NS	NS	21.0	8.7J[8]	ND	ND	ND	ND	NS	366	NS[9]
Vinyl Chloride	ND	----	ND	ND	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	NS	ND	NS[9]
1,1-Dichloroethene	ND	----	ND	ND	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	NS	2.4J	NS[9]
cis,1,2-Dichloroethene	ND	----	1.1J[8]	2.1J	ND	ND	1.4J	----	----	NS	NS	1.5J	ND	ND	ND	ND	ND	NS	2.8J	NS[9]
Chloroform	ND	----	ND	1.7J	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	NS	ND	NS[9]
January 7, 2002																				
Trichloroethylene	ND	----	28.6	30.1	47.5	ND	14.4J	----	----	ND	ND	8.6J	8.5J	4.8J	4.6J	ND	ND	22.3	229	48.3
Vinyl Chloride	ND	----	ND	ND	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	----	ND	ND	ND	ND	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2J	ND
February 13, 2002																				
Trichloroethylene	ND	----	226	158	82.6	ND	129	----	----	NS	NS	42.9	9.1J	5.9J	14.0J	ND	ND	6.4J	195	311
Vinyl Chloride	ND	----	ND	ND	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	----	2.3J	2.1J	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	3.1J	4.0J
cis,1,2-Dichloroethene	ND	----	ND	7.1J	ND	ND	1.2J	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	----	ND	ND	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	6.3J	ND	ND
March 19, 2002																				
Trichloroethylene	ND	----	27.3	182	66.2	ND	102	----	----	NS	NS	47.7	26.3	11.0J	10.6J	ND	ND	6.4J	NS[7]	200
Vinyl Chloride	ND	----	ND	ND	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	NS[7]	ND
1,1-Dichloroethene	ND	----	ND	2.9J	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	NS[7]	3.0J
cis,1,2-Dichloroethene	ND	----	2.2J	2.5J	1.2J	ND	1.7J	----	----	NS	NS	1.3J	1.2J	ND	ND	ND	ND	ND	NS[7]	1.3J
Chloroform	ND	----	2.2J	ND	ND	ND	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	2.1J	NS[7]	ND
April 19, 2002																				
Trichloroethylene	ND	----	156	40.5	64.1	NS	89.8	----	----	NS	NS	ND	ND	ND	ND	ND	ND	7.7J	145	138
Vinyl Chloride	ND	----	ND	ND	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	----	2.2J	4.0J	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	5.0J	4.0J
cis,1,2-Dichloroethene	ND	----	ND	2.7J	1.4J	NS	2.0J	----	----	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	----	ND	1.4J	ND	NS	ND	----	----	NS	NS	ND	ND	ND	ND	ND	ND	1.4J	ND	ND

Continued on next page

Table 2. Results of analyses[1] of surface-water samples; June 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
May 20, 2002																				
Trichloroethylene	ND	----	105	35.9	28.3	NS	42.3	----	----	NS	ND	13.6J	12.1J	4.9J	7.5J	ND	ND	6.7J	193	178
Vinyl Chloride	ND	----	ND	ND	ND	NS	ND	----	----	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	----	1.4J	ND	ND	NS	ND	----	----	NS	ND	ND	ND	ND	ND	ND	ND	ND	4.2J	2.5J
cis,1,2-Dichloroethene	ND	----	1.8J	3.8J	1.1J	NS	1.6J	----	----	NS	ND	1.3J	1.5J	ND	ND	ND	ND	ND	ND	1.8J
Chloroform	ND	----	ND	ND	ND	NS	ND	----	----	NS	ND	ND	ND	ND	ND	ND	ND	1.1J	ND	ND
June 13, 2002																				
Trichloroethylene	NS	----	111	45.6	7.5J	NS	47.5	----	----	ND	ND	8.5J	8.6J	3.1J	6.7J	ND	ND	NS	175	NS[10]
Vinyl Chloride	NS	----	ND	ND	ND	NS	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS[10]
1,1-Dichloroethene	NS	----	1.4J	ND	ND	NS	ND	----	----	ND	ND	ND	ND	ND	ND	ND	ND	NS	3.3J	NS[10]
cis,1,2-Dichloroethene	NS	----	1.1J	4.7J	ND	NS	3.5J	----	----	ND	ND	1.6J	1.6J	ND	ND	ND	ND	NS	ND	NS[10]
Chloroform	NS	----	ND	1.1J	1.0J	NS	2.9J	----	----	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS[10]

Notes:

* West Kilby ditch

** Main Kilby ditch

*** Manhole northwest of Pizza Hut.

**** Manhole northeast of Pizza Hut.

---- Sample point not included in sampling plan.

[1] Samples analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

[2] MDL = Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses

[3] NS - Not sampled (sample site was "dry").

[4] ND - Not detected

[5] SW-5 was sampled as SW-5A and SW-5B on August 23, 2001.

[6] Location SW-2 which has historically been a single sample from the dual pipes under Coliseum Boulevard, was sampled as two separate locations (SW-2A and SW-2B) beginning September 20, 2001.

[7] Storm sewer (identifier SW-15) was not sampled because the manhole of the sewer was covered.

[8] J - Concentration below calibration curve, but above detection limit

[9] On December 4, 2001, manhole SW-16 was not sampled because only a very small amount of water was present.

[10] SW-16 was not sampled on June 13, 2002 because of insufficient water.

Table 3. Results of analyses[1] and treated volumes of water from the treatment system; June 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama.

Sample Dates	Carbon Filter 1[2]	Carbon Filter 2	Carbon Filter 3	Blanks	Volume Treated (gallons)
	[Concentrations are expressed in micrograms per liter (μg/l)]				
	1.0 μg/l [3]	1.0 μg/l [3]	1.0 μg/l [3]	1.0 μg/l [3]	
June 7, 2002					
Trichloroethylene	ND[4]	NS[5]	ND	ND	265
Chloromethane	ND		ND	ND	
Vinyl Chloride	ND		ND	ND	
Chloroform	ND		14.1J[6]	ND	
Bromodichloromethane	ND		3.4J	ND	
Total Volume Treated - June					**265**

Notes:

[1] The samples were analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods,

[2] Carbon filters installed in series; samples collected after Carbon Filter 1 (1st filter in series) to determine break through. Samples collected after Carbon Filter 3 for compliance with Montgomery Water Works and Sanitary Sewer Board discharge requirements.

[3] MDL - Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses

[4] ND - Not detected

[5] NS - No sample collected this month.

[6] J - Concentration below calibration curve, but above detection limit

Table 4. Results of analyses[1] of volatile organic compounds in quality assurance/quality control samples; June 2002 Status Report; Coliseum Boulevard Plume Project; Montgomery, Alabama.

Sample Date	Sample Identifier	Trichloroethylene	Chloromethane	Methylene Chloride
		(Concentrations are expressed in micrograms/liter)		
		1.0 μg/l [2]	1.0 μg/l [2]	1.0 μg/l [2]
06/13/2002	Blank (Surface water)	ND[3]	ND	ND

Notes:

[1] The samples were analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

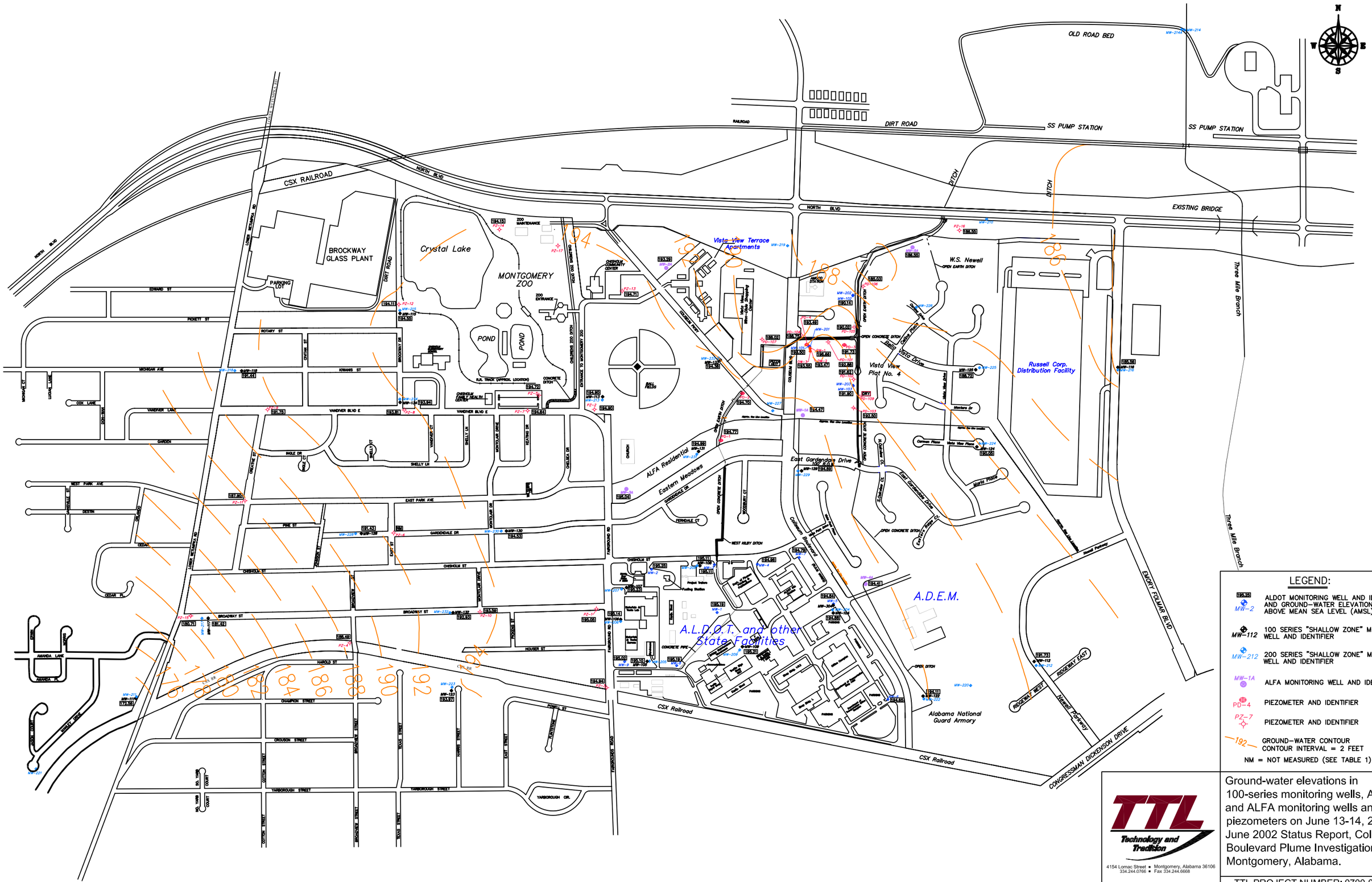
[2] MDL - Method Detection Limit of 1.0 microgram per liter for the laboratory analyses

[3] ND - Not detected

DEPARTMENT OF TRANSPORTATION

June 2002
Status Report
Coliseum Boulevard Plume Investigation

PLATES



LEGEND:

- 195.25 / MW-2 — ALDOT MONITORING WELL AND IDENTIFIER AND GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (AMSL)
- MW-112 — 100 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
- MW-212 — 200 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
- MW-1A — ALFA MONITORING WELL AND IDENTIFIER
- PD-4 — PIEZOMETER AND IDENTIFIER
- PZ-7 — PIEZOMETER AND IDENTIFIER
- 192 — GROUND-WATER CONTOUR CONTOUR INTERVAL = 2 FEET
- NM = NOT MEASURED (SEE TABLE 1)

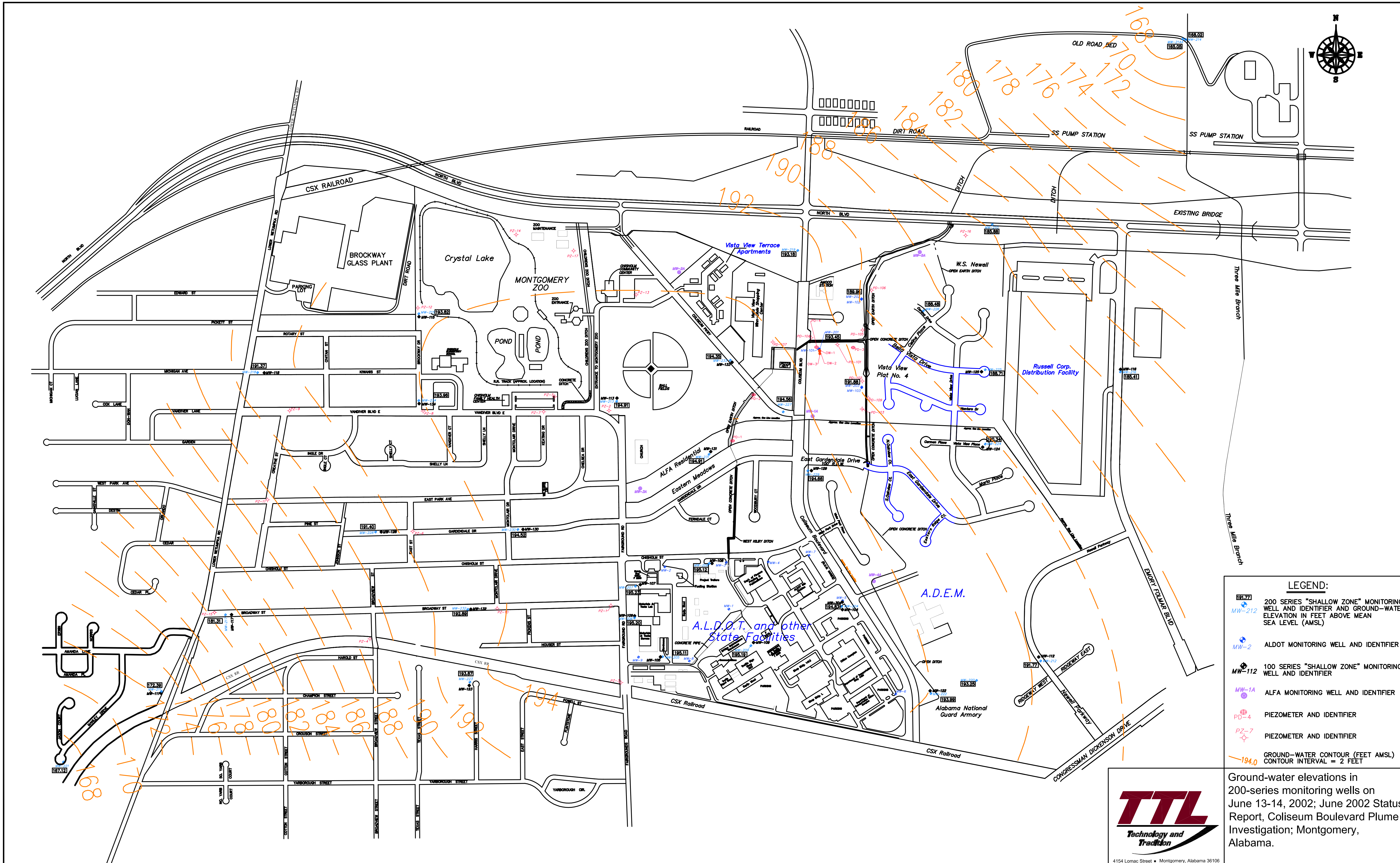
TTL Technology and Tradition

4154 Lomac Street ▪ Montgomery, Alabama 36106
334.244.0766 ▪ Fax 334.244.6668

Ground-water elevations in 100-series monitoring wells, ALDOT and ALFA monitoring wells and piezometers on June 13-14, 2002; June 2002 Status Report, Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

TTL PROJECT NUMBER: 0700-024

Drawing No. 020622 | SCALE: 1" = 400' | Plate 1



LEGEND:

Symbol	Description
191.77 MW-212	200 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER AND GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (AMSL)
MW-2	ALDOT MONITORING WELL AND IDENTIFIER
MW-112	100 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
MW-1A	ALFA MONITORING WELL AND IDENTIFIER
PD-4	PIEZOMETER AND IDENTIFIER
PZ-7	PIEZOMETER AND IDENTIFIER
194.0	GROUND-WATER CONTOUR (FEET AMSL) CONTOUR INTERVAL = 2 FEET

Ground-water elevations in 200-series monitoring wells on June 13-14, 2002; June 2002 Status Report, Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

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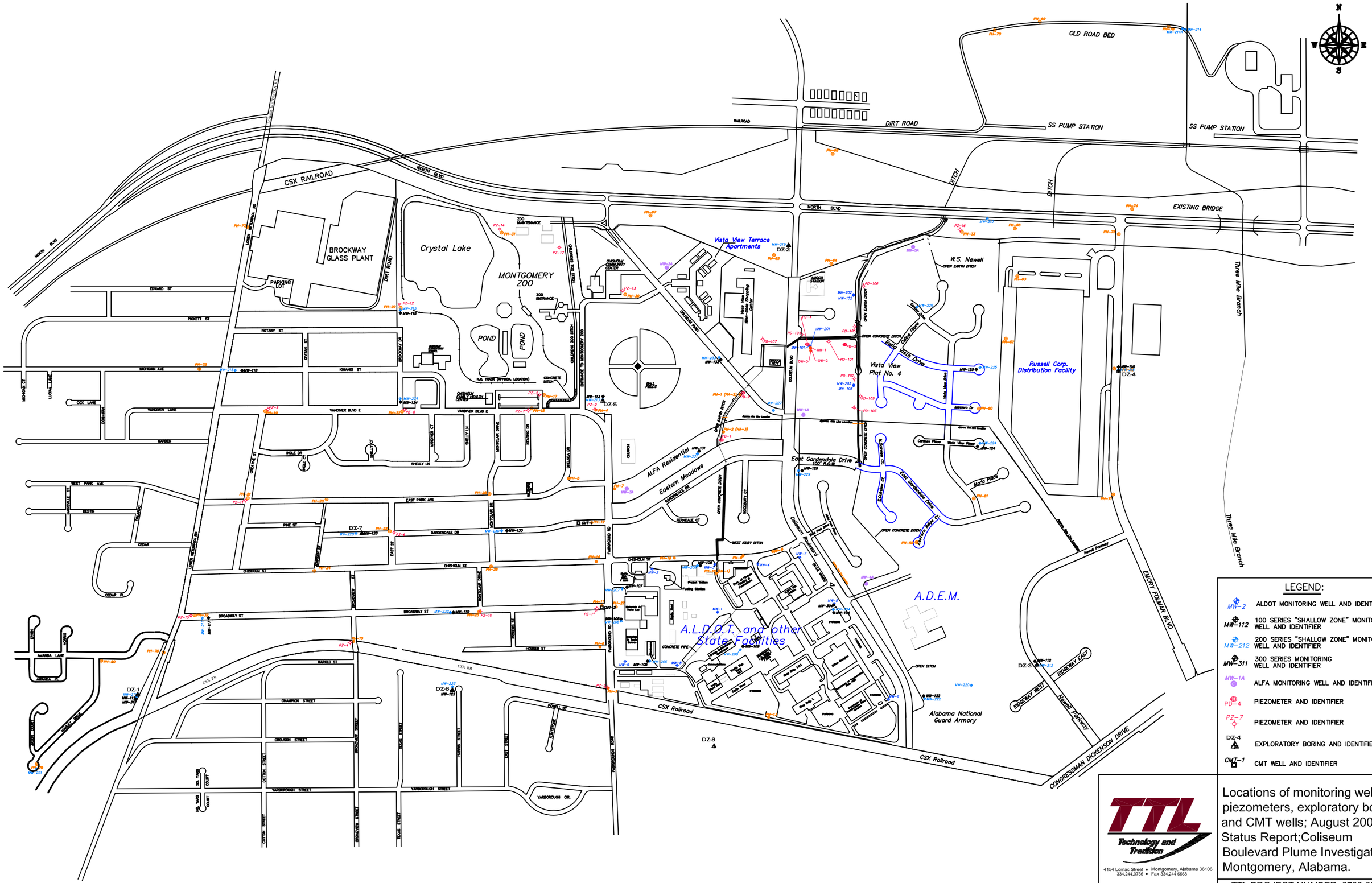
334.244.0766 ▪ Fax 334.244.6668

TTL PROJECT NUMBER: 0700-024

Drawing No. 020622.1 | SCALE: 1" = 400' | Plate 2

Note: Base map is a composite of an initial base map compiled by Goodwyn, Mills & Cawood Environmental Consultants, Inc. and a June 16, 2000 map by Larry E. Speaks & Associates. The June 16, 2000 map of Larry Speaks & Associates was compiled from maps provided by TTL, Inc. and the Montgomery, Alabama Tax Assessor's Office.

FIGURES



LEGEND:

MW-2	ALDOT MONITORING WELL AND IDENTIFIER
MW-112	100 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
MW-212	200 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
MW-311	300 SERIES MONITORING WELL AND IDENTIFIER
MW-1A	ALFA MONITORING WELL AND IDENTIFIER
PD-4	PIEZOMETER AND IDENTIFIER
PZ-7	PIEZOMETER AND IDENTIFIER
DZ-4	EXPLORATORY BORING AND IDENTIFIER
CMT-1	CMT WELL AND IDENTIFIER

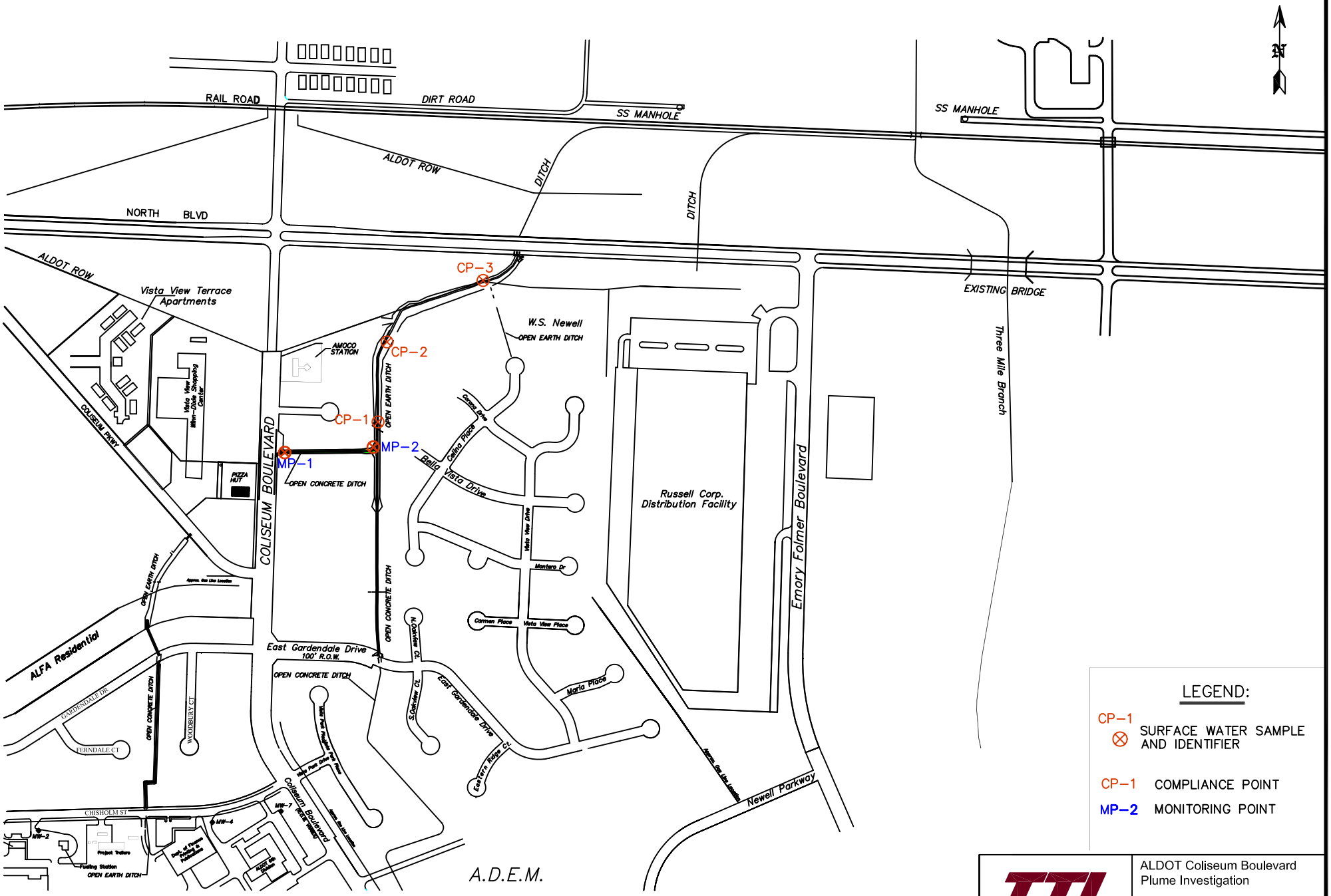
TTL
Technology and Tradition
4154 Lornac Street ▪ Montgomery, Alabama 36106
334.244.0766 ▪ Fax 334.244.8668

Locations of monitoring wells, piezometers, exploratory borings and CMT wells; August 2002 Status Report;Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

TTL PROJECT NUMBER: 0700-024

Drawing No. 020326 | SCALE: 1" = 400' | Plate 3

Note: Base map is a composite of an initial base map compiled by Goodwyn, Mills & Cawood Environmental Consultants, Inc. and a June 16, 2000 map by Larry E. Speaks & Associates. The June 16, 2000 map of Larry Speaks & Associates was compiled from maps provided by TTL, Inc. and the Montgomery, Alabama Tax Assessor's Office.



LEGEND:

CP-1 ⊗ SURFACE WATER SAMPLE AND IDENTIFIER

CP-1 COMPLIANCE POINT

MP-2 MONITORING POINT

Note: Base map is a composite of an initial base map compiled by Goodwyn, Mills & Cawood Environmental Consultants, Inc. and a June 16, 2000 map by Larry E. Speaks & Associates. The June 16, 2000 map of Larry Speaks & Associates was compiled from maps provided by TTL, Inc. and the Montgomery, Alabama Tax Assessor's Office.

TTL Technology and Tradition

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Drawing No. 020715

ALDOT Coliseum Boulevard Plume Investigation

Locations of Surface Water Samples

TTL PROJECT NUMBER: 0700-024

SCALE: 1" = 700'

Figure 2

ATTACHMENTS

ATTACHMENT A
ANALYTICAL RESULTS
(Refer to GIS Database)

DEPARTMENT OF TRANSPORTATION

June 2002
Status Report
Coliseum Boulevard Plume Investigation

ATTACHMENT B
RECIEPT FOR NON-HAZARDOUS WASTE MANIFEST & LANDFILL DISPOSAL

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. 0002 | 2. Page 1 of

3. Generator's Name and Mailing Address: ALDOT, 1400 Coliseum Blvd., Montgomery, AL 36130

4. Generator's Phone

A. Manifest Number: WMNA 249244

B. State Generator's ID

5. Transporter 1 Company Name: Robbie D. Wood

6. US EPA ID Number: ALD067138891

C. State Transporter's ID

D. Transporter's Phone: 1-880-356-7457

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Salem Waste Disposal, 4210 Lee Road 183, Opelika, AL 36804

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 334-745-0181

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Groundwater Well Drilling Waste WM Profile # CU3974	001	RO	24020 20	yd³	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Request Copy of Manifest to G. Meeks, TTL Inc, 4134 Lomac St, Montgomery AL 36106

Purchase Order #

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Greg Meeks | Signature "On behalf of": Greg Meeks | Month Day Year: 06 17 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Earnest Winston | Signature: Earnest Winston | Month Day Year: 06 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Becky Priest | Signature: Becky Priest | Month Day Year

TREATMENT STORAGE, DISPOSAL FACILITY COPY

Non-Hazardous Special Waste Manifest

Generator

Generator Alabama Department of Transportation

Site Location Central Staging Area

Address 1409 Coliseum Blvd.

Montgomery, Alabama

Phone (334) 206-2270

Emergency Phone (334) 244-0766

Description of Waste Material	Profile Number	Total Quantity	Unit of Measure	Container Type
Drill Cuttings, soil	010241 SW-033103-0080			Roll-Off

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 and are not infectious or is not regulated pursuant to applicable federal or state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Kimberly D. Hazzuff
Generator Authorized Agent Name (Print)

Signature

6/21/02
Delivery Date

Transporter

Transporter Name Robbie D. Woods

Address 1050 old Warrior River Rd.
Dolomite, Al. 35061

Driver Name Debra Bingham

Truck Number 191

Truck Type Big Roll off

I hereby acknowledge receipt of the above-described materials for transport from the generator's site listed above.

Debra Bingham 6-21-02
Driver Signature Shipment Date

I hereby acknowledge that the above-described materials were received from the generator's site and were transported without incident to the destination listed below.

Debra Bingham 6-21-02
Driver Signature Delivery Date

Destination

Site Name

Phone Number

Address

Disposal Location North Montgomery Landfill

I hereby acknowledge receipt of the above-described materials.

Name of Authorized Agent (Print)

Signature

Receipt Date

DLB

Robbie D. Wood, Inc.

P.O. BOX 125 DOLOMITE, AL. 35061

NO. MC 142393

BILL OF LADING

№ 71595

SHIPPER: TTL	LOADING CITY/STATE: Montgomery, AL	MANIFEST NO.
CONSIGNEE: Montgomery Landfill	DESTINATION: Montgomery, AL	
TRACTOR NO.: 191	TRAILER NO.: 1600	BOX NO.
		DATE SHIPPED: 6-21-02
		LOAD NO.: 140717

COMP NO	LOADING TEMP BY	COMMODITY	UNIT	QUANTITY
		Box 760 SN:3026		
		760-4/1-	4/20	

QUANTITY	
	Gross
	Tare
	Net
	Tons

LOADING TIME IN ____ M. OUT ____ M.

AUTHORIZATION—LOADING DEMURRAGE

DETENTION RECORD _____ EXPLAIN TIME SPENT _____

UNLOADING TIME IN ____ M. OUT ____ M.

AUTHORIZATION—UNLOADING DEMURRAGE

GOVERNED BY TARIFFS AND CLASSIFICATIONS ISSUED BY THE CARRIER AND/OR ITS AGENTS.

SHIPPER PER

CARRIER PER

RECEIVED THE ABOVE DESCRIBED PROPERTY IN GOOD CONDITION EXCEPT AS NOTED.

FIRM

BY

SHOW COMPLETE COMPANY NAME AND SIGNATURE INITIALS NOT ACCEPTED

DELIVERY DATE

White - R.D.W. Yellow - R.D.W. Pink - Consignee Goldenrod - Shipper

ROBBIE D. WOOD, INC.

BOX OWNER RDW
ROLL-OFF BOX # 760 S/N 3026
TRACTOR # 191
DRIVER SIGNATURE [signature]

DRIVERS: WHEN FILLING OUT THIS FORM, WRITE ON HARD SURFACE, PRESS FIRMLY WITH BALL-POINT LOAD # 140717

DELIVERY INFORMATION

DATE: 6-21-02 AM/PM

LOADED BOX

Unloaded at Montgomery Landfill - Montgomery AL
Drop Loaded at
Box returned to: RDW-Dolomite AL

EMPTY BOX DELIVERED TO:

CONSIGNEE
CITY, ST
CUSTOMER SIGNATURE

PICK-UP INFORMATION

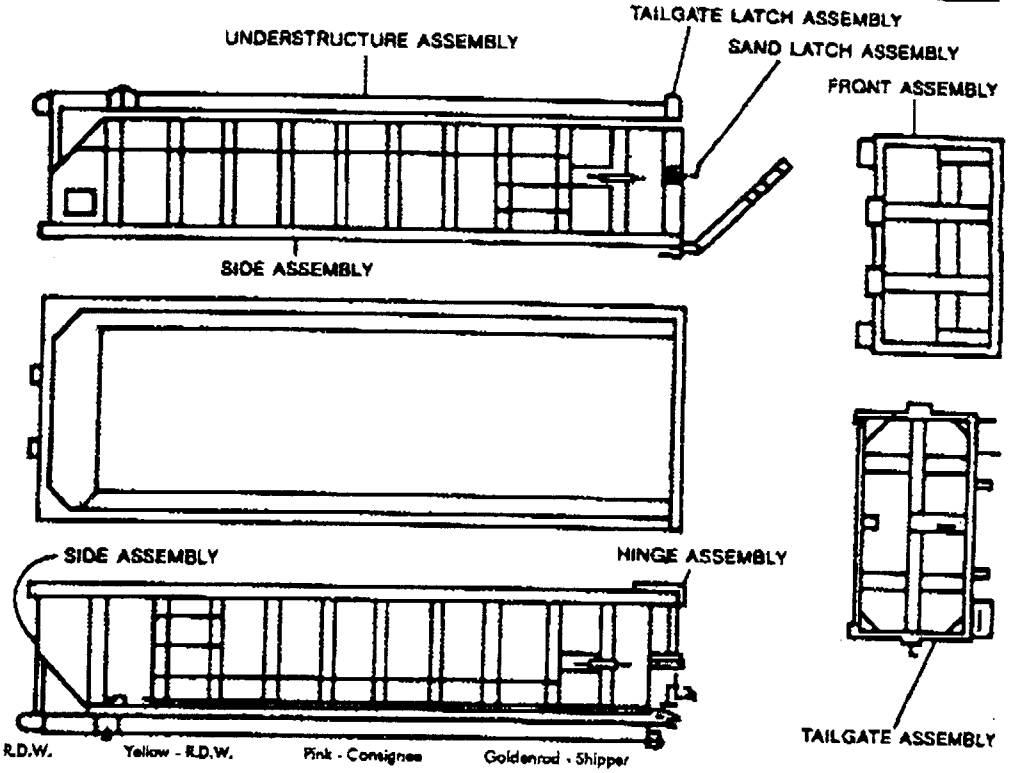
DATE: 6-21-02 AM/PM
SHIPPER TYL
P/U CITY - ST. Montgomery AL
CUSTOMER SIGNATURE [signature]
EMPTY ☐
LOADED ☑ MANIFEST #

Indicate below any damage done to roll-off box by circling that portion on the drawing below.

Condition of Tarp:

Condition of Bows:

No. Bows:



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Eaton Printing 426-2647 Form No. 022601