AUGUST 2002 STATUS REPORT

COLISEUM BOULEVARD PLUME INVESTIGATION

DEPARTMENT OF TRANSPORTATION

October 3, 2002

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

August 2002
Status Report

Water Level Measurements

- August 15 and 16, 2002: Depths to ground-water were measured in piezometers and monitoring wells associated with the Coliseum Boulevard Plume Investigation. Ground-water elevations on August 15 and 16, 2002 are provided in Tables 1a through 1e. Ground-water elevations on August 15 and 16, 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.

- August 16, 2002: Depths to water were measured on August 16, 2002 in the two CMT (continuous multi-channel) wells (CMT 1 and CMT 2). Ground-water elevations within the CMT wells are provided on Table 2.

Surface Water Sampling

- August 14, 2002: In accordance with the Interim Corrective Measures Report dated September 2001, revised February and July 2002, five surface water samples were collected from the west and main branches of Kilby Ditch. The five surface water samples will be collected quarterly and are identified as compliance points CP-1, CP-2, and CP-3, and monitoring points MP-1 and MP-2 (see Figure 1). These five sample point locations coincide with previous sample locations SW-3, SW-8, SW-10, SW-2, and SW-5, respectively. Compliance point CP-1 (former sample location SW-3) is immediately north of the end of the concrete lining of the ditch. Compliance point CP-2 (former sample location SW-8) is approximately 500 feet downstream (north) of sample point CP-1. Compliance point CP-3 (former sample location SW-10) is located in the ditch approximately 700 feet downstream (north) of sample point CP-2. Results from each the compliance points will be compared to a trichloroethylene (TCE) action level of 175 micrograms per liter (µg/L). Monitoring point MP-1 (former sample point SW-2) is immediately east of the discharge of the two culverts from beneath Coliseum Boulevard. Monitoring point MP-2 (former sample location SW-5) is at the confluence of the west and main branches of Kilby Ditch.

On August 14, 2002, water samples were collected from the center of the ditch channel at the five sampling points. The water samples were placed on ice and transported to **TTL**'s laboratory for analysis for volatile organic compounds (VOCs) (see Table 3). None of the results from samples collected at the three compliance point locations exceeded the action level. During sample collection, the water samples also were measured for temperature, pH, conductivity, dissolved oxygen, and turbidity (see Table 4). The laboratory reports for the analyses of the surface-water samples are provided on the attached compact disc – recordable (CD-R). The next surface water sampling event will be conducted in October 2002.

Water Treatment and Waste Management

- August 5, 2002: Water remaining (10 gallons) from the July 2002 sampling event, was treated through a liquid-phase carbon filter treatment system at the ALDOT staging area. The treated water was discharged into the sanitary sewer at the staging area. A sample was collected on August 5, 2002, from water discharged from the first carbon filter to monitor for breakthrough. However, a VOC sample could be not collected from the third carbon filter to monitor for compliance with Montgomery Water Works and Sanitary Sewer Board discharge requirements, because there was not enough pressure through the system to discharge from the third carbon filter due to the low water volume. The water sample was submitted for VOC analyses. Results of these analyses are provided in Table 5. The laboratory report of the analytical result for this sample is on the attached CD-R.

- August 9, 2002: Four previously used carbon filters were picked up by Tetrasolv Filtration for recycling in Anderson, Indiana. A copy of the non-hazardous waste manifest is on the attached CD-R.

Quality Assurance/Quality Control

- During field activities in August 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 6. The laboratory report of the analyses is provided on the attached CD-R.

TABLES

Table 1a. Ground-water elevations in ALDOT wells during the last 12 month period; August 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)									
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	NM[2]	NM	195.09	NM	NM	NM	NM	NM	NM	
12/27/01	195.06	195.19	195.05	194.89	194.70	195.68	194.70	195.30	195.09	
1/11/02	NM	NM	194.97	NM	NM	NM	NM	NM	NM	
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	NM	NM	195.32	NM	NM	NM	NM	NM	NM	
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	
7/18/02	194.85	194.87	194.26	194.62	194.49	194.36	194.47	194.87	194.62	
8/15/02	194.61	194.57	194.49	194.36	194.22	194.12	194.21	194.64	194.33	

Note:

[1] Feet above mean sea level

[2] NM - Not measured

Table 1b. Ground-water elevations in piezometers during the last 12 month period; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers)									
	PZ1	PZ2	PZ3	PZ4	PZ5	PZ7	PZ8	PZ9	PZ10	PZ11
Elevation of Measuring Point (ft. AMSL)[1]	220.93	207.20	220.50	216.19	204.72	206.20	209.51	205.12	213.93	211.76
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
8/9/01	196.56	197.43	196.35	190.83	NM[2]	196.54	199.08	194.15	195.44	190.45
8/24/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
9/7/01	196.56	196.35	196.50	190.84	196.18	196.19	195.64	193.63	195.28	190.08
9/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/3/01	196.17	195.70	196.15	190.39	195.59	195.58	194.95	193.06	194.97	189.69
10/15/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/31/01	195.39	195.25	195.78	187.99	195.07	195.05	194.26	192.40	194.53	189.10
12/3/01	---[3]	191.50	195.49	188.28	194.62	194.69	NM	191.81	193.91	188.42
12/14/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
12/27/01	195.01	194.99	195.07	188.93	194.82	194.76	193.90	191.75	193.63	188.08
1/11/02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
1/21-22/02	194.83	191.85	195.00	188.47	194.88	194.80	193.21	191.37	193.52	188.15
2/14/02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/26/02	193.88	191.89	194.96	188.48	195.23	194.85	193.16	187.84	191.78	185.44
3/19-20/02	195.13	195.68	195.13	188.57	195.54	195.48	194.72	192.56	193.72	188.14
4/17/02	195.50	195.99	195.44	188.97	195.75	195.69	195.09	192.95	194.20	188.66
5/16-17/02	195.32	195.32	195.22	188.87	193.66	196.70	194.43	192.31	193.95	188.32
6/13-14/02	195.05	194.90	194.94	188.49	194.72	194.64	193.81	191.75	193.59	187.90
7/17/02	194.66	194.46	194.58	188.17	194.19	194.12	193.20	191.15	193.09	187.30
8/15-16/02	194.35	194.38	194.39	187.62	193.91[4]	193.85	192.85	190.78	192.67	186.85

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Table 1b. Ground-water elevations in piezometers during the last 12 month period; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers) - Continued									
	PZ12	PZ13	PZ14	PZ15	PZ16	PZ17[5]				
Elevation of Measuring Point (ft. AMSL)[1]	212.26	207.95	204.54	220.37	193.44	203.95				
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
8/9/01	196.68	198.52	196.56	183.66	187.24	NI[6]				
8/24/01	NM	NM	NM	NM	187.17	NI				
9/7/01	196.12	198.35	196.03	183.41	187.09	NI				
9/20/01	NM	NM	NM	NM	186.95	NI				
10/3/01	195.26	195.00	195.19	183.12	186.78	NI				
10/15/01	NM	NM	NM	NM	188.29	NI				
10/31/01	194.62	194.75	194.63	182.59	186.70	NI				
12/3/01	194.36	194.65	194.44	182.02	186.75	NI				
12/14/01	NM	NM	NM	NM	187.04	NI				
12/27/01	194.46	194.95	194.62	181.54	186.99	NI				
1/11/02	NM	NM	NM	NM	186.93	NI				
1/21-22/02	194.63	194.85	189.30	181.82	187.03	NI				
2/14/02	NM	NM	NM	NM	187.59	NI				
2/26/02	192.32	188.01	189.58	176.98	184.42	NI				
3/19-20/02	195.21	195.50	195.31	180.72	187.19	NI				
4/17/02	195.55	195.38	195.57	181.08	187.10	NI				
5/16-17/02	194.79	195.01	194.76	181.03	186.69	NI				
6/13-14/02	194.11	194.71	194.15	180.71	186.55	194.70				
7/17/02	193.49	194.44	193.51	180.27	186.48	194.01				
8/15-16/02	193.22	194.36	193.32	179.93	186.57	193.79				

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Table 1b. Ground-water elevations in piezometers during the last 12 month period; August 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)									
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	NM	NM	192.78[7]	194.44[7]	193.70[7]	199.44[7]	NM	188.97[7]	190.85[7]	NM
8/21/01	---[5]	195.56[8]	192.42[8]	194.17[8]	193.61[8]	195.70[8]	193.59[8]	188.81[8]	188.05[8]	185.10[8]
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	NM	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
12/03/2001	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	----[9]	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
7/17-18/02	194.44	194.29	191.53	193.30	192.74	191.37	192.19	193.38	189.89	188.32
8/16/02	194.12	189.62	191.44	193.15	192.63	191.23	192.00	188.80	189.85	185.02

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Table 1b. Ground-water elevations in piezometers during the last 12 month period; August 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)									
8/9/01	194.93	195.38	Dry							
8/15/01	188.13[7]	191.03[7]	NM							
8/21/01	188.03[8]	190.78[8]	Dry							
8/24/01	188.05	191.08	Dry							
9/7/01	194.76	NM	Dry							
9/20/01	194.52	NM	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							
7/17/02	193.88		Dry							
8/16/02	185.92		Dry							

Note:

[1] Feet above mean sea level

[2] NM - Not measured

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

[4] PZ 5 was inadvertently not measured on 8/16/02, but was measured on 8/19/02 by the field technician.

[5] Mini troll data logger in piezometer. The mini troll logger in PZ 17 was installed on 7/3/02.

[6] NI - Not installed. PZ 17 was installed on May 30, 2002.

[7] Swabbed prior to measuring depth to water.

[8] Measured during coffer dam study.

[9] 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 in Alfa monitoring wells during the last 12 month period; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Alfa Monitoring Wells Vista View Development)									
	Alfa MW-1	Alfa MW-2	Alfa MW-3	Alfa MW-4	Alfa MW-5					
Elevation of Measuring Point (ft. AMSL)[1]	213.53	206.01	209.67	213.18	203.42					
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
8/9/01	195.43	NM[2]	196.52	195.44	187.19					
8/21/01	195.43[3]	NM	NM	NM	NM					
8/24/01	NM	NM	194.97	NM	184.77					
9/4/01	NM	NM	198.27	NM	187.05					
9/7/01	NM	194.21	NM	195.38	186.93					
9/20/01	NM	NM	194.71	NM	186.82					
10/3/01	195.08	193.67	195.87	203.14	186.70					
10/15/01	NM	NM	NM	NM	186.72					
10/31/01	195.27	196.37	194.41	194.88	186.84					
12/03/2001	194.43	193.24	195.04	194.47	186.51					
12/14/01	NM	NM	NM	NM	185.92					
12/27/01	194.38	193.61	194.99	194.29	186.98					
1/11/02	NM	NM	NM	NM	186.87					
1/22/02	194.38	191.40	197.83	194.18	187.24					
2/14/02	NM	NM	NM	NM	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	193.70	195.38	194.58	186.76					
6/13/02	194.47	193.29	195.04	194.41	186.55					
7/17/02	194.20	192.98	194.63	194.14	186.45					
8/16/02	193.95	192.86	194.31	193.86	186.52					

Note:

[1] Feet above mean sea level

[2] NM - Not measured

[3] Measured during coffer dam study.

Table 1d. Ground-water elevations in monitoring wells along Kilby Ditch during the last 12 month period; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Monitoring Wells Kilby Ditch)									
	MW 101[2]	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)									
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[3]	194.28	194.19	NM[4]	NM	NM	NM	NM	NM	NM	NM
8/21/01[5]	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	NM	197.21
9/20/01	193.96	193.89	190.48	190.23	192.50	192.43	194.05	194.04	NM	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
12/03/2001	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
7/17-18/02	193.41	193.26	190.08	189.82	191.63	191.58	193.32	193.35		196.47
8/16/02	193.69	193.11	190.01	189.84	191.42	191.43	193.16	193.18		196.31

Note:

[1] Feet above mean sea level

[2] Mini troll logger data installed in monitoring well MW 101 on 7/3/02.

[3] Swabbed prior to measuring depth to water.

[4] NM - Not measured

[5] Measured during coffer dam study.

Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; August 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)									
8/9/01	NI[2]	NI	195.46	NI	NI	NI	NI	NI	NI	
9/7/01	NI	NI	195.45	NI	NI	NI	NI	NI	NI	
10/3/01	NI	NI	195.22	NI	NI	NI	NI	NI	NI	
10/31/01	NI	NI	194.94	NI	NI	NI	NI	NI	NI	
12/03/2001	NI	NI	194.54	NI	NI	NI	NI	NI	NI	
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	
7/18/02	194.54	194.55	194.11	194.75	194.76	194.76	194.77	194.85	194.84	
8/15-16/02	194.29	194.28	193.87	194.47	194.47	194.46	194.45	194.51	194.55	

Continued on next page

Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; August 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)									
8/9/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/7/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/3/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/31/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/03/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/27-28/01	195.09	195.11	195.26	195.21	185.76	173.52	173.30	NI	191.61	191.65
1/21-22/02	195.03	195.06	195.05	195.10	185.59	173.17	172.95	NI	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
7/17-18/02	194.76	194.77	194.88	194.88	185.85	172.24	172.01	172.39	191.44	191.37
8/15-16/02	194.51	194.50	194.63	194.59	185.88	171.90	171.76	172.04	191.32	191.22

Continued on next page

Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 113[3]	MW 213	MW 214	MW 214A	MW 115[3]	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)									
8/9/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/7/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/3/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/31/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/03/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
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
7/17-18/02	194.62	194.48	166.68	164.61	193.66	193.22	185.31	185.49	181.01	180.89
8/15-16/02	194.39	194.26	168.36	164.55	193.31	192.89	185.50	185.36	180.57	180.44

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Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; August 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)									
8/9/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	
9/7/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	
10/3/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	
10/31/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	
12/03/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	
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	NM[4]	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	
7/17-18/02	190.85	190.79	192.74	193.06	166.82	193.86	192.76	193.56	193.46	
8/15-16/02	190.41	190.35	192.57	192.83	166.56	194.68	194.53	193.18	193.08	

Continued on next page

Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; August 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)									
8/9/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/7/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/3/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/31/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/03/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
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
7/17-18/02	189.93	189.93	188.52	188.51	188.26	194.28	190.87	190.85	194.38	194.40
8/15-16/02	189.82	189.80	188.48	188.43	188.29	194.03	190.47	190.41	192.72[5]	189.52[5]

Continued on next page

Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 130[3]	MW 230	MW 131[3]	MW 231	MW 132	MW 232	MW 133	MW 233	MW 134	MW 234
Elevation of Measuring Point (ft. AMSL)[1]	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)									
8/9/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
9/7/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/3/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
10/31/01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/03/2001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
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
7/17-18/02	193.92	193.98	194.56	194.54	192.42	192.36	194.12	194.07	193.34	193.34
8/15-16/02	193.49	193.66	194.27	194.32	191.95	191.95	193.88	194.22	192.99	193.00

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] NI - Not installed. Monitoring wells were not installed prior to December 27, 2001. Monitoring well MW 311 was not installed until February 25, 2002.

[3] Mini troll logger data installed in monitoring wells MW 115, MW 130, and MW 131 on

[4] NM - Not measured: Monitoring well MW 220 was not measured on 4/18/02 due to an oversight by the field technican.

[5] Monitoring wells MW 129 and MW 229 were inadvertently not measured on 8/16/02, but were measured on 8/19/02 by the field technicians.

Table 2. Ground-water elevations in CMT (continuous multi-channel) wells; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (ALDOT Central Complex)									
	CMT 1-1	CMT1 -2	CMT1 -3	CMT 1-4[2]	CMT 1-5	CMT 1-6	CMT 1-7			
Elevation of Measuring Point (ft. AMSL)[1]	219.50	219.50	219.50	219.50	219.50	219.50	219.50			
Screened Interval (ft BLS)[3]	43.1-43.4	39.3-39.6	35.3-35.6	31.6-31.9	29.2-29.5	47.4-47.7	51.45			
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
2/21/02	195.35	195.35	195.35	199.46	195.35	195.35	195.35			
4/4-5/02	195.84	195.70	195.84	DRY	195.85	195.84	195.84			
7/22/02	194.58	194.58	194.58	195.04	194.58	194.58	194.58			
8/16/02	194.29	194.31	194.30	193.92	194.30	193.86	194.31			

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Table 2. Ground-water elevations in CMT (continuous multi-channel) wells; August 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers)									
	CMT 2-1	CMT 2-2	CMT 2-3	CMT 2-4	CMT 2-5	CMT 2-6	CMT 2-7			
Elevation of Measuring Point (ft. AMSL)[1]	221.85	221.85	221.85	221.85	221.85	221.85	221.85			
Screened Interval (ft BLS)[3]	32.2-32.6	40.3-40.6	44.3-44.6	48.4-48.7	52.3-52.6	56.1-56.4	59.8			
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
2/21/02	195.15	195.16	195.16	195.18	195.16	195.16	-[4]			
4/4-5/02	NM[5]	NM	NM	NM	NM	NM	NM			
7/24/02	194.71	194.71	194.71	194.71	194.71	194.71	194.71			
8/16/02	194.47	194.46	194.44	194.46	194.44	194.44	191.10			

Note:

[1] Feet above mean sea level

[2] A bentonite plug probably surrounds the screen.

[3] Feet below land surface

[4] Erroneous water level; most likely caused by accumulation of water inside the port during well construction.

[5] NM - Not measured

Table 3. Results of analyses[1] of surface-water samples collected at compliance points and monitoring points (as defined in the approved Interim Corrective Measures Report); August 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 1.]

	CP-1 (former SW-3)	CP-2 (former SW-8)	CP-3 (former SW-10)	MP-1 (former SW-2)	MP-2 (former SW-5)
	Reporting level of 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]
	175 µg/l TCE Action level for Kilby Ditch[3]			Monitoring only	
July 24, 2000 (No storm events several days prior to sampling)					
Trichloroethylene	10.2	----	----	15	----
Vinyl Chloride	ND[4]	----	----	ND	----
cis,1,2-Dichloroethene	2.8	----	----	2.5	----
Chloroform	ND	----	----	3.2	----
Toluene	ND	----	----	13.4	----
August 2, 2000 (Storm event during sampling)					
Trichloroethylene	ND	----	----	ND	----
August 11, 2000 (Storm event prior evening - August 10, 2000)					
Trichloroethylene	2.1	----	----	ND	----
Vinyl Chloride	ND	----	----	ND	----
Toluene	ND	----	----	1.1	----
September 18, 2000					
Trichloroethylene	2.1	----	----	ND	----
Vinyl Chloride	ND	----	----	ND	----
Chloroform	10.3	----	----	41.6	----
Bromodichloromethane	1.8	----	----	6.2	----
Dibromochloromethane	ND	----	----	1.5	----
November 9, 2000 (Storm event during sampling)					
Trichloroethylene	ND	----	----	ND	----
Vinyl Chloride	ND	----	----	ND	----
December 15, 2000					
Trichloroethylene	8.1	----	----	ND	----
Vinyl Chloride	ND	----	----	ND	----
Toluene	ND	----	----	2.5	----

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Table 3. Results of analyses[1] of surface-water samples collected at compliance points and monitoring points (as defined in the approved Interim Corrective Measures Report); August 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 1.]

	CP-1 (former SW-3)	CP-2 (former SW-8)	CP-3 (former SW-10)	MP-1 (former SW-2)	MP-2 (former SW-5)
	Reporting level of 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]
	175 µg/l TCE Action level for Kilby Ditch[3]			Monitoring only	
January 31, 2001					
Trichloroethylene	17.4	----	----	34.5	----
Vinyl Chloride	ND	----	----	ND	----
Chloroform	ND	----	----	1.3	----
February 27, 2001					
Trichloroethylene	21.1	----	----	100	----
Vinyl Chloride	ND	----	----	ND	----
1,1-Dichloroethene	ND	----	----	1.1	----
cis,1,2-Dichloroethene	1.4	----	----	1.5	----
Chloroform	ND	----	----	1.2	----
March 30, 2001					
Trichloroethylene	68.0	51.9	19.7	156	157
Vinyl Chloride	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	2.0	1.1
cis,1,2-Dichloroethene	ND	1.0	ND	ND	ND
April 26, 2001					
Trichloroethylene	66.6	46.4	16.7	156	88.8
Vinyl Chloride	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	2.0	1.0
cis,1,2-Dichloroethene	ND	1.5	ND	ND	ND
May 25, 2001					
Trichloroethylene	24.3	23.8	21.7	140	95.5
Vinyl Chloride	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	1.6	ND
cis,1,2-Dichloroethene	ND	ND	ND	ND	1.1

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Table 3. Results of analyses[1] of surface-water samples collected at compliance points and monitoring points (as defined in the approved Interim Corrective Measures Report); August 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 1.]

	CP-1 (former SW-3)	CP-2 (former SW-8)	CP-3 (former SW-10)	MP-1 (former SW-2)		MP-2 (former SW-5)
	Reporting level of 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]
	175 µg/l TCE Action level for Kilby Ditch[3]			Monitoring only		
June 21, 2001						
Trichloroethylene	39.6	19.4	9.8	118		87.9
Vinyl Chloride	ND	ND	ND	ND		ND
Chloromethane	ND	ND	ND	ND		ND
1,1-Dichloroethene	ND	ND	ND	1.2		ND
cis,1,2-Dichloroethene	ND	ND	ND	ND		1.2
Chloroform	ND	ND	ND	3.4		ND
July 24, 2001						
Trichloroethylene	46.0	25.4	5.9	154		68.2
Vinyl Chloride	ND	ND	ND	ND		ND
1,1-Dichloroethene	ND	ND	ND	1.5		ND
cis,1,2-Dichloroethene	ND	1.3	ND	ND		1.0
August 17, 2001						
Trichloroethylene	39.9	18.4	5.6	191		66.6
Vinyl Chloride	ND	ND	ND	ND		ND
1,1-Dichloroethene	ND	ND	ND	1.2		1.7
August 22, 2001 (3:30 p.m.)						
				SW-2A	SW-2B	
Trichloroethylene	----	----	----	87.3	195	63.3
Vinyl Chloride	----	----	----	1.8	ND	ND
1,1-Dichloroethene	----	----	----	ND	2.4	ND
cis,1,2-Dichloroethene	----	----	----	9.1	ND	1.4
Chloroform	----	----	----	ND	ND	ND
August 22, 2001 (9:55 p.m.)						
				SW-2A	SW-2B	
Trichloroethylene	----	----	----	143	174	69.3
Chloromethane	----	----	----	1.2	ND	2.3
Vinyl Chloride	----	----	----	2.9	ND	ND
1,1-Dichloroethene	----	----	----	1.5	2.1	ND
cis,1,2-Dichloroethene	----	----	----	16.8	ND	1.5
Chloroform	----	----	----	ND	ND	ND

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Table 3. Results of analyses[1] of surface-water samples collected at compliance points and monitoring points (as defined in the approved Interim Corrective Measures Report); August 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 1.]

	CP-1	CP-2	CP-3	MP-1		MP-2
	(former SW-3)	(former SW-8)	(former SW-10)	(former SW-2)		(former SW-5)
	Reporting level of 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]
	175 µg/l TCE Action level for Kilby Ditch[3]			Monitoring only		
August 23, 2001 (8:30 a.m.)						
				SW-2A	SW-2B	
Trichloroethylene	----	----	----	116	146	----
Chloromethane	----	----	----	ND	ND	----
Vinyl Chloride	----	----	----	2.8	ND	----
1,1-Dichloroethene	----	----	----	1.2	1.6	----
cis,1,2-Dichloroethene	----	----	----	13.8	ND	----
Chloroform	----	----	----	ND	ND	----
September 20, 2001[5]						
				SW-2A	SW-2B	
Trichloroethylene	33.0	23.0	7.0	88.3	156	69.2
Chloromethane	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	1.6	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	1.5	ND
cis,1,2-Dichloroethene	ND	ND	ND	8.4	ND	1.2
Chloroform	1.6	3.3	ND	1.6	3.4	1.5
October 10, 2001						
				SW-2A	SW-2B	
Trichloroethylene	19.9	17.2	3.0	87.2	115	49.3
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
cis,1,2-Dichloroethene	ND	1.5	ND	5.6	ND	ND
November 8, 2001						
				SW-2A	SW-2B	
Trichloroethylene	39.2	33.5	9.0	106	130	91.8
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	1.0	1.1	ND
cis,1,2-Dichloroethene	ND	1.5	ND	5.7	ND	1.5

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Table 3. Results of analyses[1] of surface-water samples collected at compliance points and monitoring points (as defined in the approved Interim Corrective Measures Report); August 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 1.]

	CP-1	CP-2	CP-3	MP-1		MP-2
	(former SW-3)	(former SW-8)	(former SW-10)	(former SW-2)		(former SW-5)
	Reporting level of 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]
	175 µg/l TCE Action level for Kilby Ditch[3]			Monitoring only		
December 4, 2001						
				SW-2A	SW-2B	
Trichloroethylene	37.3	21.0	ND	107	27.5	79.0
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
cis,1,2-Dichloroethene	ND	1.5J[6]	ND	1.1J	2.1J	1.4J
Chloroform	ND	ND	ND	ND	1.7J	ND
January 7, 2002						
				SW-2A	SW-2B	
Trichloroethylene	47.5	8.6J	4.8J	28.6	30.1	14.4J
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
February 13, 2002						
				SW-2A	SW-2B	
Trichloroethylene	82.6	42.9	5.9J	226	158	129
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	2.3J	2.1J	ND
cis,1,2-Dichloroethene	ND	ND	ND	ND	7.1J	1.2J
Chloroform	ND	ND	ND	ND	ND	ND
March 19, 2002						
				SW-2A	SW-2B	
Trichloroethylene	66.2	47.7	11.0J	27.3	182	102
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	2.9J	ND
cis,1,2-Dichloroethene	1.2J	1.3J	ND	2.2J	2.5J	1.7J
Chloroform	ND	ND	ND	2.2J	ND	ND

Continued on next page

Table 3. Results of analyses[1] of surface-water samples collected at compliance points and monitoring points (as defined in the approved Interim Corrective Measures Report); August 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 1.]

	CP-1	CP-2	CP-3	MP-1		MP-2
	(former SW-3)	(former SW-8)	(former SW-10)	(former SW-2)		(former SW-5)
	Reporting level of 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]
	175 µg/l TCE Action level for Kilby Ditch[3]			Monitoring only		
April 19, 2002						
				SW-2A	SW-2B	
Trichloroethylene	64.1	ND	ND	156	40.5	89.8
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	2.2J	4.0J	ND
cis,1,2-Dichloroethene	1.4J	ND	ND	ND	2.7J	2.0J
Chloroform	ND	ND	ND	ND	1.4J	ND
May 20, 2002						
				SW-2A	SW-2B	
Trichloroethylene	28.3	13.6J	4.9J	105	35.9	42.3
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	1.4J	ND	ND
cis,1,2-Dichloroethene	1.1J	1.3J	ND	1.8J	3.8J	1.6J
Chloroform	ND	ND	ND	ND	ND	ND
June 13, 2002						
				SW-2A	SW-2B	
Trichloroethylene	7.5J	8.5J	3.1J	111	45.6	47.5
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	1.4J	ND	ND
cis,1,2-Dichloroethene	ND	1.6J	ND	1.1J	4.7J	3.5J
Chloroform	1.0J	ND	ND	ND	1.1J	2.9J
July 11, 2002						
				SW-2A	SW-2B	
Trichloroethylene	22.4	3.8J	ND	96.8	43.5	3.6J
Vinyl Chloride	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	1.0J	ND	ND
cis,1,2-Dichloroethene	3.6J	ND	ND	9.8J	2.1J	ND
Chloroform	ND	ND	ND	ND	ND	ND

Continued on next page

Table 3. Results of analyses[1] of surface-water samples collected at compliance points and monitoring points (as defined in the approved Interim Corrective Measures Report); August 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 1.]

	CP-1	CP-2	CP-3	MP-1	MP-2
	(former SW-3)	(former SW-8)	(former SW-10)	(former SW-2)	(former SW-5)
	Reporting level of 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]
	175 µg/l TCE Action level for Kilby Ditch[3]			Monitoring only	
August 14, 2002[7]					
Trichloroethylene	3.3J	7.1J	ND	19.6J	8.1J
Vinyl Chloride	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND
cis,1,2-Dichloroethene	ND	1.2J	ND	3.5J	2.0J
Chloroform	1.8J	ND	ND	1.3J	1.3J

Notes:

---- 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 microgram per liter for the laboratory analyses

[3] The ADEM (Alabama Department of Environmental Management) action level for trichloroethene (TCE) in the Kilby Ditch is 175 µg/l. The TCE concentration in the surface water will be in compliance with the proposed action level for the Kilby Ditch if 90% of the compliance monitoring sample results are at or below 175

[4] ND - Not detected

[5] 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 (north) and SW-B (south) beginning September 20, 2001.

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

[7] Monitoring point MP-1 is at midpoint of former sampling locations SW-2A and SW-2B.

Table 4. Surface water quarterly field parameters[1] (temperature, pH, conductivity, dissolved oxygen, and turbidity); August 2002 Status Report; Coliseum Boulevard Plume Project; Montgomery, Alabama.

Sample Identifier[2]	Former Location Identifier	Temperature °C[3]	Specific Conductance (μmhos)[4]	pH (s.u.)[5]	Disolved Oxygen (mg/L)[6]	Turbidity (ntu)[7]
CP-1	SW-3	33.70	197	8.38	7.92	6.0
CP-2	SW-8	28.54	214	7.41	5.25	16.7
CP-3	SW-10	28.40	188	7.10	4.95	14.8
MP-1	SW-2	27.27	202	7.09	5.62	9.5
MP-2	SW-5	33.86	212	7.48	6.01	2.0

Notes:

[1] All field parameters were measured with a YSI multi-parameter (556 MPS) meter.
[2] CP - Compliance Point, MP - Monitoring Point
[3] Degree Celsius
[4] Micromhos
[5] standard units
[6] milligram per liter
[7] nephelometric turbidity units

Table 5. Results of analyses[1] and treated volumes of water from the treatment system; August 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]	
August 5, 2002					
Trichloroethylene	ND[4]	NS[5]	NS[6]	ND	10
Chloromethane	3.1J[7]			ND	
Vinyl Chloride	ND			ND	
Chloroform	ND			ND	
Total Volume Treated - August					**10**

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 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 was collected this month.

6 NS - No sample collected; there was not enough pressure through the system to discharge from the Carbon filter 3 due to low water volume.

7 J - Concentration below calibration curve, but above detection limit

Table 6. Results of analyses[1] of volatile organic compounds in quality assurance/quality control samples; August 2002 Status Report; Coliseum Boulevard Plume Project; Montgomery, Alabama.

		Trichloroethylene	Chloromethane	Methylene Chloride
		(Concentrations are expressed in micrograms/liter)		
Sample Date	**Sample Identifier**	**1.0 μg/l [2]**	**1.0 μg/l [2]**	**1.0 μg/l [2]**
08/14/2002	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.

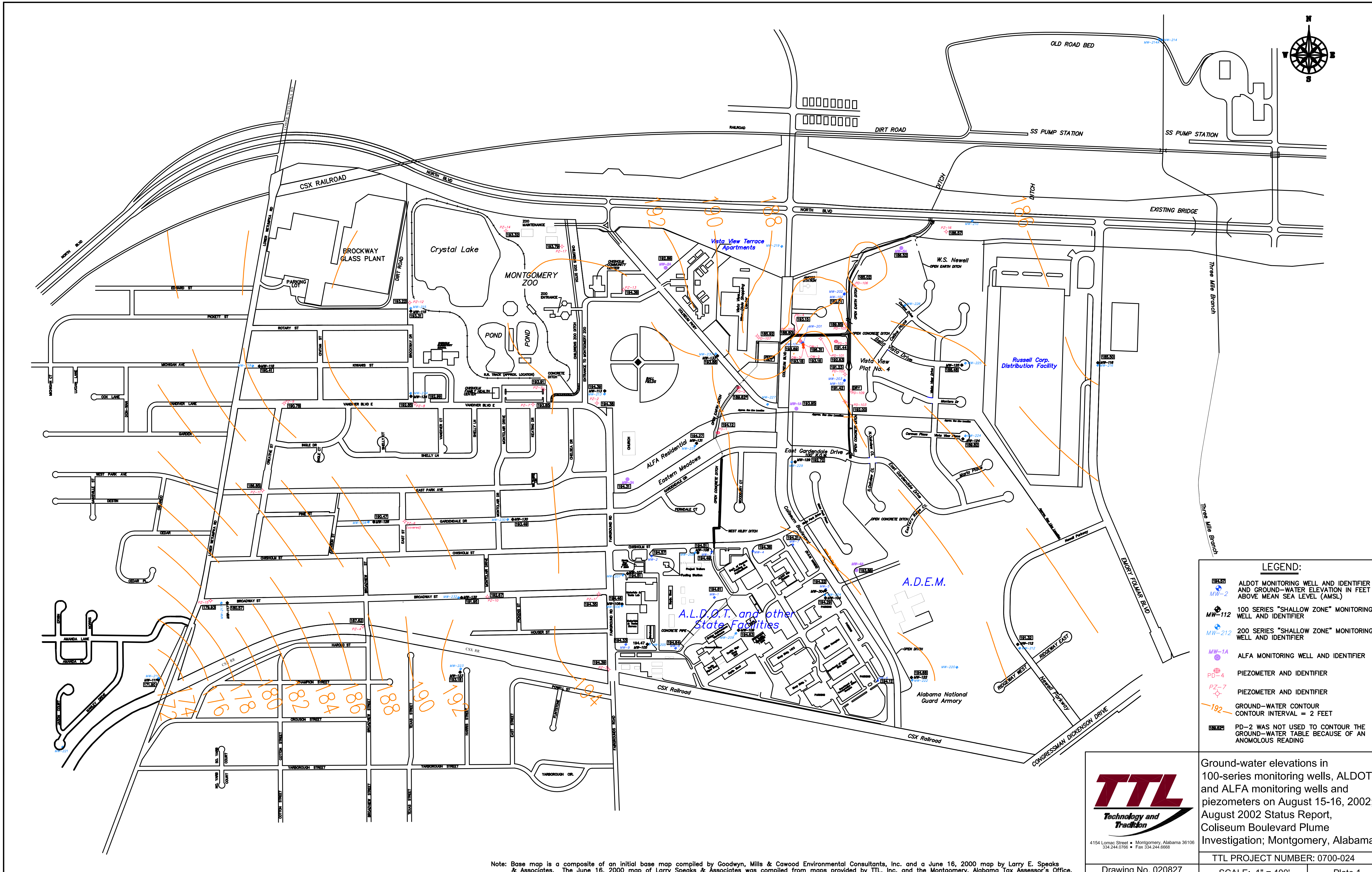
[2] MDL - Method Detection Limit of 1.0 microgram per liter for the laboratory analyses

[3] ND - Not detected

DEPARTMENT OF TRANSPORTATION

August 2002
Status Report
Coliseum Boulevard Plume Investigation

PLATES



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

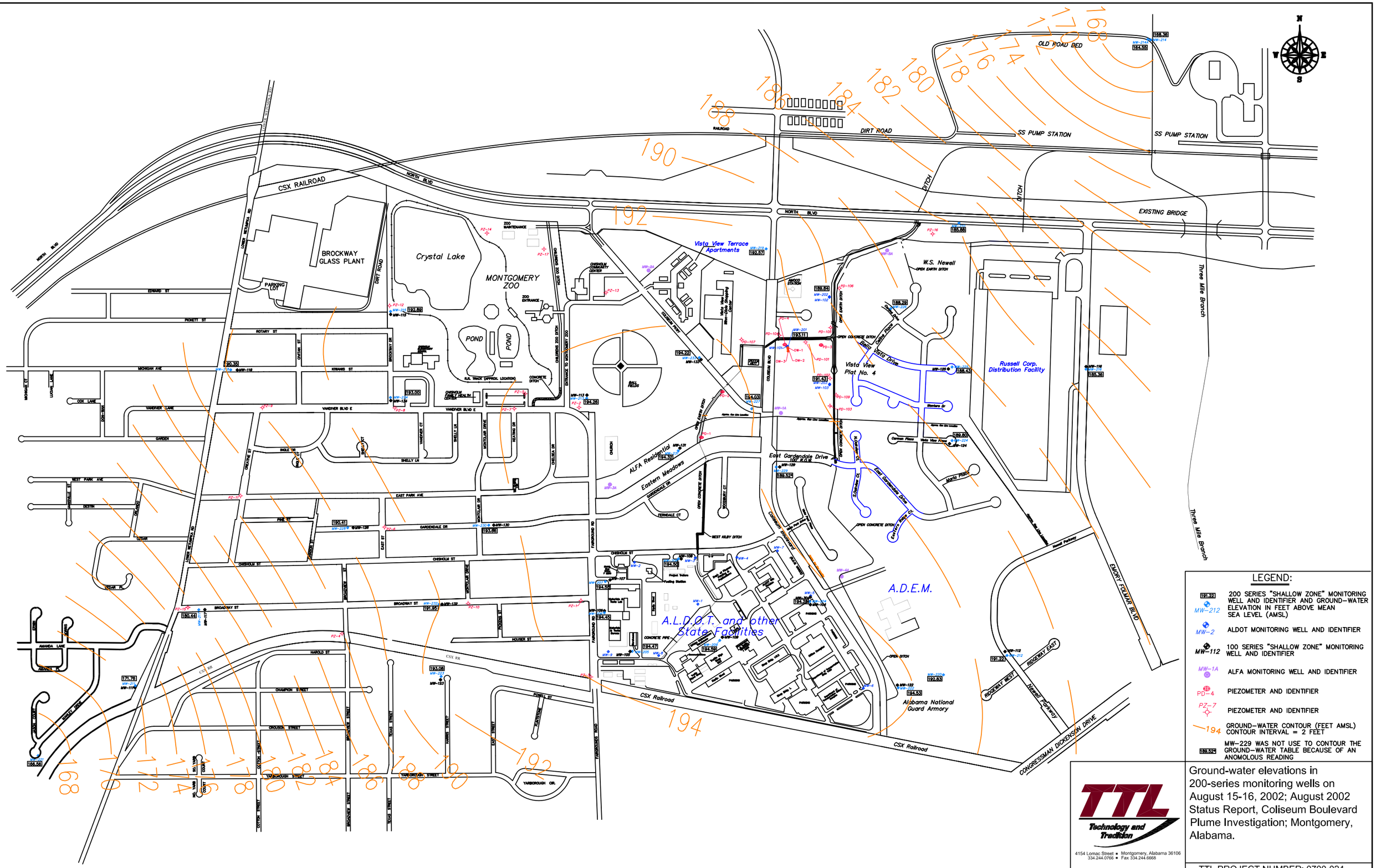
Ground-water elevations in 100-series monitoring wells, ALDOT and ALFA monitoring wells and piezometers on August 15-16, 2002; August 2002 Status Report, Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

Drawing No. 020827

TTL PROJECT NUMBER: 0700-024

SCALE: 1" = 400'

Plate 1



LEGEND:

191.22 / 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	GROUND-WATER CONTOUR (FEET AMSL) CONTOUR INTERVAL = 2 FEET
189.524	MW-229 WAS NOT USE TO CONTOUR THE GROUND-WATER TABLE BECAUSE OF AN ANOMOLOUS READING

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.

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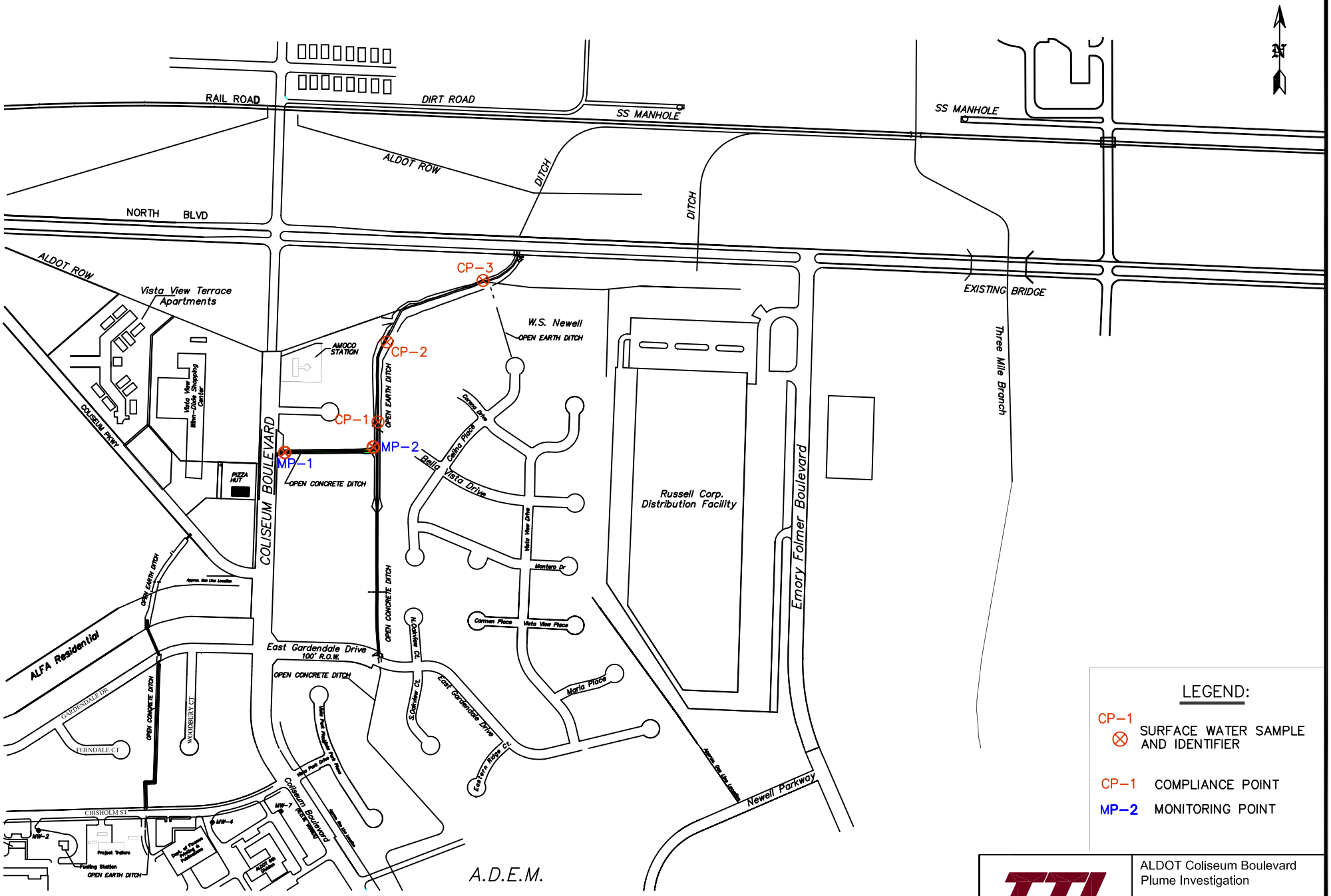
Ground-water elevations in 200-series monitoring wells on August 15-16, 2002; August 2002 Status Report, Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

TTL PROJECT NUMBER: 0700-024

Drawing No. 020827.1 | SCALE: 1" = 400' | Plate 2

FIGURE



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.

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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 1

ATTACHMENTS

ATTACHMENT A
ANALYTICAL RESULTS
(Refer to GIS Database)

DEPARTMENT OF TRANSPORTATION

August 2002
Status Report
Coliseum Boulevard Plume Investigation

ATTACHMENT B
RECIEPT FOR NON-HAZARDOUS WASTE MANIFEST

FedEx Freight

PLACE PRO LABEL HERE

UNIFORM STRAIGHT BILL OF LADING

Original—Not Negotiable

SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM BILL OF LADING

Carrier SCAC Code: _____

Shipper's Bill of Lading #

Purchase Order # RB 033945

Shipper # | Shipper #

SHIPPER (from) Please provide zip codes and phone numbers. **CONSIGNEE** (to)

Shipper: TTL, Inc. Brad Baker	Consignee: Tomasolv Filtration
Street: 608 Chisholm St	Destination Street: 1200 E. 26th St.
City: Montgomery; State/Province: AL; Zip: 36110	City: Anderson; State/Province: IN; Zip: 46016
Country: US; Phone: 334 244 0766	Country: US; Phone: (765) 643-3941
Special Instructions	

BILL FREIGHT CHARGES TO: (if different than above)

Name: TTL, Inc.	Street: 3516 Greensboro Ave
P.O. Box	City: Tuscaloosa; State: AL; Zip: 35401

Freight charges are **PREPAID** unless marked collect.

CHECK BOX IF COLLECT ☐

C.O.D.

$ _____ AMOUNT

1. **The letters "C.O.D." must appear in box before consignee's name above.**
2. C.O.D. funds to be collected as: ☐ Certified Funds ☐ Company Check ☐ Personal Check
3. C.O.D. fee to be paid by: ☐ Shipper ☐ Consignee

REMIT C.O.D. TO: (if different than shipper above)

Name	Street		
City	State	Zip	Phone

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications, and rules that have been established by the carrier and are available to the shipper, on request, and to all applicable state and federal regulations, the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as shown hereon, which said carrier agrees to carry to destination, if on its route, or otherwise to deliver to another carrier on the route to destination. Every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, or otherwise referenced, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NO. HANDLING UNITS Pieces	Pallets	HM X	DESCRIPTION OF ARTICLES, KIND OF PACKAGE, SPECIAL MARKS AND EXCEPTIONS (subject to correction)	WEIGHT IN LBS.	NMFC ITEM # (subject to correction)	CLASS	COST
4			Carbon Filtration 55 gal Drums				

Driver signature acknowledges receipt of freight only. Terms & Conditions of the Carrier's Tariffs apply
27899664-2
MGM
FedEx Freight
East
ARRIVE 1045 DEPART

TOTAL HANDLING UNITS: Pieces 4 Pallets — Total 4

MARK "X" IN THE HM COLUMN TO DESIGNATE HAZARDOUS MATERIALS AS DEFINED IN DOT REGULATIONS.

NOTE (1) Where the rate and carrier's liability for loss or damage may be dependent on value, shippers must state specifically in writing the agreed or declared value of the property as follows: "The agreed or declared value of the property is specifically stated by the shipper to be not exceeding $100.00 per drum."

NOTE (2) Liability Limitation for loss or damage in this shipment shall be applicable as provided by contract or in the current National Motor Freight Classification, STB NMF 100 series, or this carrier's governing tariffs. In no event shall carrier's liability exceed $100,000 per incident.

NOTE (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged ...

FOR FREIGHT COLLECT SHIPMENTS

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee, without recourse on the consignor, the consignor shall sign the following statement. The carrier may decline to make delivery of this shipment without payment of freight and all other lawful charges.

Consignor Signature _____

SHIPPER CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Shipper Signature _____ **Date** _____

CARRIER CERTIFICATION

Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the DOT emergency response guidebook or equivalent document in the vehicle.

SINGLE SHIPMENT	DATE	DRIVER / EMPLOYEE NUMBER & SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

Generator

Generator ITL, Inc
Address 4154 Lomac St
Montgomery, AL 36106

I.D.# _____
Phone (334) 244-0766

Shipping Location ALDOT 6th Division
Address 608 Chisholm St
Montgomery, AL 36110
Phone (334) 244-0766

Driver signature acknowledges receipt of freight only. Terms & Conditions of the Carrier's Tariffs apply
27899664-2 MGM FedEx Freight East
ARRIVE 1045 DEPART

Description of Waste	Total Quantity	Unit of Measure
Carbon Filters	4	55 gal

I certify that the above described materials are not hazardous wastes as defined by 40 CFR, Part 261 or ADEM Administrative Code 335-14-2 and have been properly described and accurately characterized.
Generator Authorized Agent Name (Print) Brad J. Baker
Generator Authorized Agent Signature [signature]
Date 8/9/02

Transporter

Transporter Name Fedex Freight East
Address 5150 Norman Bridge Rd.
Montgomery AL 36105 284-8486

I acknowledge receipt of the above described materials for transport from the generator site listed above.
Driver Name (Print) Martin McDonald
Driver Signature Martin McDonald
Shipment Date 8/9/02 Shipment Time 1045 Am

I certify that the above described materials were transported from the generator site to the destination listed below without incident.
Driver Signature _____
Delivery Date _____ Delivery Time _____

Destination

Site Name Tetrasolu Filtration
Address 1200 E. 25th St
Anderson, IN 46016
Phone (765) 643-3941

I certify and acknowledge receipt of the above mentioned materials in the amounts listed.
Name of Individual authorized to receive materials (Print) _____
Signature of Individual authorized to receive materials _____
Receipt Date _____ Receipt Time _____

TTL
Technology and Tradition

Construction Materials Engineering and Testing
Environmental Engineering and Consulting
Geotechnical Engineering
Analytical Services

Client:	Maynard, Cooper & Gale
Sample Date:	June 12, 2002
Date Analyzed:	June 21, 2002
Analyzed By:	TTL Personnel (VJB)
Sample Type:	Solid
Sampled By:	TTL Personnel (KJM & BJB)
Sample Site:	Coliseum Boulevard Plume Montgomery, Alabama
Sample ID:	Carbon Filters
TTL Lab Number:	020613.213
TTL Job Number:	0700-024

TCLP
VOLATILE ORGANICS

CONTAMINANT	[MAXIMUM]	PQL	RESULTS
Trichloroethylene (D040)	0.5	0.10	<0.10

PQL = Practical Quantitation Limit

Results are expressed in ppm

The sample was analyzed in accordance with 40 CFR Part 261, et al.

V. Jesse Burns, Chemist

3516 Greensboro Avenue (35401) ■ Drawer 1128 (35403) ■ Tuscaloosa, Alabama ■ 205.345.0816 ■ Fax 205.345.0992