SEPTEMBER 2002 STATUS REPORT

COLISEUM BOULEVARD PLUME INVESTIGATION

ALABAMA

DEPARTMENT OF TRANSPORTATION

November 11, 2002

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

September 2002
Status Report

Water Level Measurements

- September 12 and 13, 2002: Depths to ground-water were measured with a water-level indicator in piezometers and monitoring wells associated with the Coliseum Boulevard Plume Investigation. Ground-water elevations on September 12 and 13, 2002 are provided in Tables 1a through 1e. Ground-water elevations on September 12 and 13, 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. Depths to ground-water in monitoring wells MW-101, MW-115, MW-130, MW-131, and piezometer PZ-17 are currently measured by mini troll data loggers installed inside of these wells. A mini troll data logger also is installed in monitoring well MW-113; however, due to malfunctions the data logger has not been operable. Data from the data loggers are downloaded monthly and posted to the site web page.

- September 13, 2002: Depths to water were measured in CMT (continuous multi-channel) wells (#1 and #2). Ground-water elevations within the CMT wells are provided in Table 2.

Low-Lying Area (Addendum 04 Work Plan)

- September 17, 2002: Soil/sediment samples were collected at 8 "low-lying area" locations identified as locations I through P (see Figure 1). Soil/sediment samples were collected at various depths ranging from 6 to 12 inches below land surface. Surface water samples were collected at 7 of the 8 locations identified as locations I, J, K, L, N, O and P (see Figure 2). No surface water sample was collected at location M because, although the soil was saturated, there was no standing water present. In accordance with the July 9, 2001, Addendum 04 Work Plan, the remaining 8 "low-lying area" locations (identified as A through H) were not sampled this quarter. The soil/sediment and surface water samples were analyzed for volatile organic compounds (VOCs). The results of the analyses for VOCs in the soil/sediment and surface water samples are provided in Tables 3 and 4, respectively.

(Addendum 10 Work Plan)

- September 30, 2002: On September 30, 2002, field activities outlined in Addendum 10 (approved September 5, 2002) began. Field activities included the use of sonic drilling to install four well clusters (each consisting of 3 shallow zone monitoring wells), 2 pump test wells, and 5 CMT wells and the screening of soil/sediment samples for the presence of DNAPL.

  On September 30, 2002, a shallow zone monitoring well (identified as 135A) was installed to a depth of 36 feet below land surface (BLS). The well was constructed on Chisholm Street east of Fairground Road. The boring log for monitoring well MW-135A is provided on the attached CD-R.

Surface Water Samples

- Surface water samples will be collected during the October 2002 quarterly sampling event.

Sampling of Monitoring Wells (Addendum 06 Work Plan)

- Ground-water samples will be collected from all monitoring wells at the site during the October 2002 quarterly sampling event.

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

- Ambient air and soil vapor testing will be conducted in November 2002.

Quality Assurance / Quality Control

- During field activities in September 2002, quality assurance / quality control measures were performed. Equipment rinse and trip blank samples accompanied water samples that were submitted for analyses for VOCs (see Table 4). Laboratory reports of the analyses are provided on the attached CD-R.

TABLES

Table 1a. Ground-water elevations in ALDOT wells during the last 12 month period; September 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (ALDOT Central Complex)									
Elevation of Measuring Point (ft. AMSL)[1]	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	
	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)									
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[2]	195.32	195.39	195.20	195.01	194.86	195.25	194.95	195.52	195.33	
12/14/01	NM[3]	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	
9/12/02	194.30	194.29	194.23	194.10	193.98	193.86	193.94	194.29	194.04	

Note:

[1] Feet above mean sea level

[2] Depths to water were not measured in November 2001 due to scheduling conflicts.

[3] NM - Not measured

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

	Well Identifier (Piezometers)									
	PZ-1	PZ-2	PZ-3	PZ-4	PZ-5	PZ-7	PZ-8	PZ-9	PZ-10	PZ-11
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)									
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[2]	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]	---[4]	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[5]	193.85	192.85	190.78	192.67	186.85
9/12/02	194.01	193.88	193.95	187.29	193.59	193.48	192.47	190.39	192.29	186.43

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

	Well Identifier (Piezometers) - Continued									
	PZ-12	PZ-13	PZ-14	PZ-15	PZ-16	PZ-17[6]				
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)									
9/7/01	196.12	198.35	196.03	183.41	187.09	NI[7]				
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[3]	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				
9/12/02	192.78	193.94	192.94	179.52	186.41	193.38				

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

	Well Identifier (Piezometers) - Continued									
	PD-1	PD-2	PD-3	PD-4	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)									
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
12/3/01[3]	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
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
9/12-13/02	198.04	189.68	191.22	192.92	192.47	191.09	191.72	193.05	189.84	188.08

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Table 1b. Ground-water elevations in piezometers during the last 12 month period; September 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)									
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[3]	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							
9/12-13/02	193.53		Dry							

Note:

[1] Feet above mean sea level

[2] NM - Not measured

[3] Depths to water were not measured in November 2001 due to scheduling conflicts.

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

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

[6] Mini troll data logger in piezometer. The mini troll logger in PZ-17 was installed on 7/3/02; however, the depths to ground-water in PZ-17 were measured with a water-level indicator.

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

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

	Well Identifier (Alfa Monitoring Wells Vista View Development)									
Elevation of Measuring Point (ft. AMSL)[1]	MW-1A	MW-2A	MW-3A	MW-4A	MW-5A					
	213.53	206.01	209.67	213.18	203.42					
Date of Measurement	Ground-Water Elevation (ft. AMSL)									
9/4/01	NM[2]	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					
12/3/01[3]	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					
9/12-13/02	193.66	192.49	194.04	193.63	186.32					

Note:

[1] Feet above mean sea level

[2] NM - Not measured

[3] Depths to water were not measured in November 2001 due to scheduling conflicts.

Table 1d. Ground-water elevations in monitoring wells along Kilby Ditch during the last 12 month period; September 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)									
9/7/01	194.09	193.98	190.65	192.34	192.69	192.57	194.11	194.18	NM[3]	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
12/3/01[4]	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
9/12-13/02	193.04	192.89	189.81	189.66	191.23	191.19	192.94	192.96		196.09

Note:

[1] Feet above mean sea level

[2] Mini troll logger data installed in monitoring well MW-101 on 7/3/02; however, the depths to ground-water in MW-101 were measured with a water-level indicator.

[3] NM - Not measured

[4] Depths to water were not measured in November 2001 due to scheduling conflicts.

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

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells)									
	MW-104	MW-204	MW-304	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)									
9/7/01	NI[2]	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	
12/3/01[3]	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	
9/12-13/02	194.01	194.02	193.61	194.17	194.17	194.15	194.22	194.23	194.23	

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Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; September 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-108	MW-208	MW-109	MW-209	MW-210	MW-111	MW-211	MW-311	MW-112	MW-212
	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)									
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
12/3/01[3]	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
9/12-13/02	NM[4]	NM[4]	194.36	194.34	185.83	171.59	171.38	171.71	191.05	190.98

Continued on next page

Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; September 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-113[5]	MW-213	MW-214	MW-214A	MW-115[5]	MW-215	MW-116	MW-216	MW-117	MW-217
	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)									
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
12/3/01[3]	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
9/12-13/02	194.05	193.97	167.87	163.95	192.90	192.47	187.36	185.27	180.18	180.08

Continued on next page

Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; September 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)									
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	
12/3/01[3]	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[6]	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	
9/12-13/02	190.00	189.91	192.18	192.61	166.26	193.40	193.28	192.83	192.72	

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Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; September 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)									
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
12/3/01[3]	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[7]	189.52[7]
9/12-13/02	189.60	189.59	188.30	188.30	188.05	193.77	190.09	190.08	193.87	193.86

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Table 1e. Ground-water elevations in 100-, 200-, & 300-series monitoring wells during the last 12 month period; September 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[5]	MW-230	MW-131[5]	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)									
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
12/3/01[3]	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
9/12-13/02	193.14	193.22	194.07	194.03	191.56	191.52	193.64	193.61	192.58	192.60

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 installed on February 25, 2002.

[3] Depths to water were not measured in November 2001 due to scheduling conflicts.

[4] NM - Not measured; Ground-water was not measured in MW-108 and MW-208 on 9/12/02 because the gate was locked.

[5] Mini troll data logger installed in monitoring wells MW-115, MW-130, and MW-131 on 7/3/02. A mini troll was installed in MW-113 on 7/3/02, but was removed for mechanical repairs on 8/16/02 and 9/13/02. The depths to ground-water in these monitoring wells were measured with a water-level indicator.

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

[7] Monitoring wells MW-129 and MW-229 were inadvertently not measured on 8/16/02, but were measured on 8/19/02.

Table 2. Ground-water elevations in CMT (continuous multi-channel) wells; September 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			
9/13/02	193.97	193.97	193.99	194.36	193.94	193.95	194.00			

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Table 2. Ground-water elevations in CMT (continuous multi-channel) wells; September 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			
9/13/02	194.13	194.15	194.14	194.15	194.15	194.15	194.15			

Note:

[1] Feet above mean sea level

[2] A bentonite plug covers portions of 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. Concentrations of volatile organic compounds[1] (VOCs) in samples of soil collected from the "low-lying area"; September 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama
[Distributions of VOCs in soil samples are shown on Figure 1.]

Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	Soil Lab Results						
			Trichloroethylene	Trichlorofluoromethane	Benzene	Toluene	M,P-Xylenes	CIS-1-Dichloroethane	Methylene Chloride[2]
			[Concentrations are in micrograms per kilogram (µg/kg)]						
			3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
A	11/15/2001	6	ND[4]	ND	ND	ND	ND	ND	4.3J[5]
A	2/13/2002	12	ND	6.3	ND	ND	ND	ND	ND
A	5/22/2002	NC[6]	NC	NC	NC	NC	NC	NC	NC
A	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC
B	11/15/2001	5	ND	ND	ND	ND	ND	ND	3.6J
B	2/13/2002	10	ND	ND	ND	ND	ND	ND	ND
B - duplicate[7]	2/13/2002	10	ND	ND	ND	ND	ND	ND	ND
B	5/22/2002	NC	NC	NC	NC	NC	NC	NC	NC
B	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC
C	11/15/2001	8	ND	ND	ND	ND	ND	ND	5.7J
C	2/13/2002	8	NR[8]	NR	NR	NR	NR	NR	NR
C	5/22/2002	NC	NC	NC	NC	NC	NC	NC	NC
C	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC
D	11/15/2001	8	ND	ND	ND	3.3J	ND	ND	ND
D-duplicate	11/15/2001	8	ND	ND	ND	12.4J	ND	ND	ND
D	2/13/2002	8	ND	ND	5.0	ND	ND	ND	ND
D	5/22/2002	NC	NC	NC	NC	NC	NC	NC	NC
D	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC
E	11/15/2001	4	ND	ND	ND	25.5J	ND	ND	3.9J
E	2/13/2002	7	ND	ND	ND	9.5	ND	ND	ND
E	5/22/2002	NC	NC	NC	NC	NC	NC	NC	NC
E	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC
F	11/15/2001	6	ND	ND	ND	8.8J	ND	ND	10.6J
F	2/13/2002	11	ND	ND	ND	ND	ND	ND	ND
F	5/22/2002	NC	NC	NC	NC	NC	NC	NC	NC
F	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC
G	11/15/2001	10	ND	ND	ND	ND	ND	ND	ND
G	2/13/2002	7	ND	14.4	ND	ND	ND	ND	ND
G	5/22/2002	NC	NC	NC	NC	NC	NC	NC	NC
G	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC
H	11/15/2001	6	ND	ND	ND	ND	ND	ND	ND
H	2/13/2002	4	ND	ND	ND	ND	ND	ND	ND
H	5/22/2002	NC	NC	NC	NC	NC	NC	NC	NC
H	9/17/2002	NC	NC	NC	NC	NC	NC	NC	NC

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Table 3. Concentrations of volatile organic compounds[1] (VOCs) in samples of soil collected from the "low-lying area"; September 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama
[Distributions of VOCs in soil samples are shown on Figure 1.]

Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	Soil Lab Results						
			Trichloroethylene	Trichlorofluoromethane	Benzene	Toluene	M,P-Xylenes	CIS-1-Dichloroethane	Methylene Chloride[2]
			[Concentrations are in micrograms per kilogram (µg/kg)]						
			3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
I	11/16/2001	3	ND	ND	ND	ND	ND	ND	ND
I	2/14/2002	5	12.1	ND	ND	ND	ND	ND	ND
I	5/22/2002	5	6.8J	ND	ND	4.7J	1.9J	ND	4.2J
I	9/17/2002	6	ND	ND	ND	ND	ND	ND	ND
J	2/14/2002	5	ND	ND	ND	ND	ND	ND	ND
J	5/22/2002	8	ND	ND	ND	4.1J	ND	ND	7.5J
J	9/17/2002	7	ND	ND	ND	ND	ND	ND	ND
K	11/16/2001	8	ND	ND	ND	ND	ND	ND	3.1J
K-duplicate	11/16/2001	8	ND	ND	ND	ND	ND	ND	ND
K	2/14/2002	11	ND	ND	ND	ND	ND	ND	ND
K-duplicate	2/14/2002	11	ND	ND	ND	ND	ND	ND	ND
K	5/22/2002	12	ND	ND	ND	6.0J	ND	ND	3.2J
K	9/17/2002	12	ND	ND	ND	ND	ND	ND	ND
L	11/16/2001	10	3.9J	ND	ND	ND	ND	ND	3.1J
L	2/14/2002	8	ND	ND	ND	ND	ND	ND	ND
L	5/22/2002	10	ND	ND	ND	ND	ND	ND	4.8J
L-duplicate	5/22/2002	10	ND	ND	ND	ND	ND	ND	4.8J
L	9/17/2002	8	26.4J	ND	ND	ND	ND	6.3J	ND
M	11/16/2001	10	ND	ND	ND	ND	ND	ND	4.8J
M	2/14/2002	10	ND	ND	ND	ND	ND	ND	ND
M	5/22/2002	8	ND	ND	ND	3.0J	ND	ND	3.3J
M	9/17/2002	8	ND	ND	ND	ND	ND	ND	ND
N	11/15/2001	3	50.6J	ND	ND	16.4J	ND	ND	6.6J
N	2/13/2002	9	ND	ND	ND	ND	ND	ND	ND
N	5/22/2002	10	ND	ND	ND	ND	ND	ND	3.3J
N	9/17/2002	8	ND[9]	ND	ND	ND	ND	ND	ND
N-duplicate	9/17/2002	8	ND	ND	ND	ND	ND	ND	ND

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Table 3. Concentrations of volatile organic compounds[1] (VOCs) in samples of soil collected from the "low-lying area"; September 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama
[Distributions of VOCs in soil samples are shown on Figure 1.]

			Soil Lab Results						
			Trichloroethylene	Trichlorofluoromethane	Benzene	Toluene	M,P-Xylenes	CIS-1-Dichloroethane	Methylene Chloride[2]
			[Concentrations are in micrograms per kilogram (µg/kg)]						
Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
O	11/15/2001	3	ND	ND	ND	3.3J	ND	ND	3.1J
O	2/13/2002	8	ND	ND	ND	ND	ND	ND	ND
O	5/22/2002	8	ND	5.7J	ND	4.0J	ND	ND	4.8J
O	9/17/2002	12	ND	ND	ND	ND	ND	ND	ND
P	11/15/2001	2	ND	7.1J	ND	ND	ND	ND	ND
P	2/13/2002	9	10.6	ND	ND	ND	ND	ND	ND
P	5/22/2002	11	7.0J	ND	ND	ND	ND	ND	6.7J
P	9/17/2002	10	ND	ND	ND	ND	ND	ND	ND

Notes:

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

[2] Methylene Chloride detected in aqueous and soil samples is considered to have been present in the laboratory during analysis of the samples.

[3] MDL = Method Detection Limit of 3.0 micrograms per kilogram for the soil laboratory analyses

[4] ND = Not Detected

[5] J = Concentration below the calibration curve, but above the detection limit

[6] NC = Not Collected, Quarterly sampling was initiated after the February 2002 sampling event and the only sample locations to be sampled are I through P.

[7] Duplicate samples were collected for quality assurance/quality control purposes.

[8] NR = Not Reported, analytical results were not reported by STL laboratories because the soil sample appeared to have something in the matrix which caused the sample not to purge.

[9] Results on September 17, 2002 are reported on "wet-weight" basis.

[10] NA = Not analyzed

Table 4. Concentrations of volatile organic compounds[1] (VOCs) in samples of surface water collected from the "low-lying area"; September 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface water samples are shown on Figure 2.]

		Aqueous Lab Results			
		Trichloroethylene	Toluene	Chloromethane	Methylene Chloride[2]
		[Concentrations are in micrograms per liter (µg/l)]			
Sample Location Identifier	Sample Date	1.0 µg/l[3]	1.0 µg/l[3]	1.0 µg/l[3]	1.0 µg/l[3]
A	11/15/2001	ND[4]	ND	ND	ND
A	2/13/2002	ND	ND	ND	ND
A	5/22/2002	NC[5]	NC	NC	NC
A	9/17/2002	NC	NC	NC	NC
B	11/15/2001	NC	NC	NC	NC
B	2/13/2002	ND	ND	ND	ND
B - duplicate[6]	2/13/2002	ND	ND	ND	ND
B	5/22/2002	NC	NC	NC	NC
B	9/17/2002	NC	NC	NC	NC
C	11/15/2001	NC	NC	NC	NC
C	2/13/2002	ND	ND	ND	ND
C	5/22/2002	NC	NC	NC	NC
C	9/17/2002	NC	NC	NC	NC
D	11/15/2001	NC	NC	NC	NC
D-duplicate	11/15/2001	NC	NC	NC	NC
D	2/13/2002	ND	ND	ND	ND
D	5/22/2002	NC	NC	NC	NC
D	9/17/2002	NC	NC	NC	NC
E	11/15/2001	NC	NC	NC	NC
E	2/13/2002	ND	ND	ND	ND
E	5/22/2002	NC	NC	NC	NC
E	9/17/2002	NC	NC	NC	NC
F	11/15/2001	NC	NC	NC	NC
F	2/13/2002	ND	1.1J[7]	ND	ND
F	5/22/2002	NC	NC	NC	NC
F	9/17/2002	NC	NC	NC	NC
G	11/15/2001	NC	NC	NC	NC
G	2/13/2002	ND	ND	ND	ND
G	5/22/2002	NC	NC	NC	NC
G	9/17/2002	NC	NC	NC	NC
H	11/15/2001	ND	ND	ND	ND
H	2/13/2002	ND	ND	ND	ND
H	5/22/2002	NC	NC	NC	NC
H	9/17/2002	NC	NC	NC	NC
I	11/16/2001	4.6J	ND	ND	ND
I	2/14/2002	5.0J	ND	ND	ND
I	5/22/2002	2.3J	ND	ND	ND
I	9/17/2002	ND	ND	ND	ND

Continued on next page

Table 4. Concentrations of volatile organic compounds[1] (VOCs) in samples of surface water collected from the "low-lying area"; September 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface water samples are shown on Figure 2.]

		Aqueous Lab Results			
		Trichloroethylene	Toluene	Chloromethane	Methylene Chloride[2]
		[Concentrations are in micrograms per liter (µg/l)]			
Sample Location Identifier	Sample Date	1.0 µg/l[3]	1.0 µg/l[3]	1.0 µg/l[3]	1.0 µg/l[3]
J	2/14/2002	3.9J	ND	ND	ND
J	5/22/2002	1.9J	ND	ND	ND
J	9/17/2002	ND	ND	ND	ND
K	11/16/2001	4.9J	ND	ND	ND
K-duplicate	11/16/2001	4.9J	ND	ND	ND
K	2/14/2002	16.4J	ND	ND	ND
K-duplicate	2/14/2003	16.2J	ND	ND	ND
K	5/22/2002	5.5J	ND	ND	ND
K	9/17/2002	2.2J	1.4J	ND	ND
L	11/16/2001	2.9J	ND	ND	ND
L	2/14/2002	7.9J	ND	ND	ND
L	5/22/2002	2.7J	ND	ND	ND
L-duplicate	5/22/2002	2.6J	ND	ND	ND
L	9/17/2002	1.4J	ND	ND	ND
M	11/16/2001	ND	ND	ND	ND
M	2/14/2002	ND	ND	ND	ND
M	5/22/2002	NC	NC	NC	NC
M	9/17/2002	NC	NC	NC	NC
N	11/15/2001	7.0J	ND	ND	ND
N	2/13/2002	16.8J	ND	ND	ND
N	5/22/2002	7.6J	ND	ND	ND
N	9/17/2002	3.7J	ND	ND	ND
N-duplicate	9/17/2002	3.7J	ND	ND	ND
O	11/15/2001	NC	NC	NC	NC
O	2/13/2002	ND	ND	ND	ND
O	5/22/2002	NC	NC	NC	NC
O	9/17/2002	ND	ND	1.0J	ND
P	11/15/2001	16.8J	ND	ND	ND
P	2/13/2002	41.2	ND	ND	ND
P	5/22/2002	22.4	ND	ND	ND
P	9/17/2002	10.5J	ND	ND	ND

Continued on next page

Table 4. Concentrations of volatile organic compounds[1] (VOCs) in samples of surface water collected from the "low-lying area"; September 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface water samples are shown on Figure 2.]

		Aqueous Lab Results			
		Trichloroethylene	Toluene	Chloromethane	Methylene Chloride[2]
		[Concentrations are in micrograms per liter (µg/l)]			
Sample Location Identifier	Sample Date	1.0 µg/l[3]	1.0 µg/l[3]	1.0 µg/l[3]	1.0 µg/l[3]
Rinsate	11/15/2001	ND	ND	ND	ND
Blank	11/15/2001	ND	ND	ND	ND
Rinsate	2/13/2002	ND	ND	ND	ND
Blank	2/13/2002	ND	ND	ND	ND
Rinsate	5/22/2002	ND	ND	ND	5.1J
Blank	5/22/2002	ND	ND	ND	ND
Rinsate	9/17/2002	ND	ND	ND	ND
Blank	9/17/2002	ND	ND	ND	ND
Rinsate 2	11/16/2001	ND	ND	ND	ND
Blank	11/16/2001	ND	ND	ND	ND
Rinsate 2	2/14/2002	ND	ND	ND	ND
Blank	2/14/2002	ND	ND	ND	ND

Notes:

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

[2] Methylene Chloride detected in aqueous and soil samples is considered to have been present in the laboratory during analysis of the samples.

[3] Method Detection Limit of 1.0 microgram per liter for the aqueous laboratory analyses

[4] ND = Not Detected

[5] NC = Not Collected, aqueous samples were not collected because either surface water was not present or the sampling location was not scheduled to be sampled. Quarterly sampling was initiated after the February 2002 sampling event and the only sample locations to be sampled are I through P.

[6] Duplicate samples were collected for quality assurance/quality control purposes.

[7] J = Concentration below the calibration curve, but above the detection limit

DEPARTMENT OF TRANSPORTATION

September 2002
Status Report
Coliseum Boulevard Plume Investigation

PLATES

LEGEND:

194.29 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)

NOTE: PD-1 AND PD-2 WERE NOT USED TO CONTOUR THE GROUND-WATER TABLE BECAUSE OF ANOMOLOUS READINGS

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

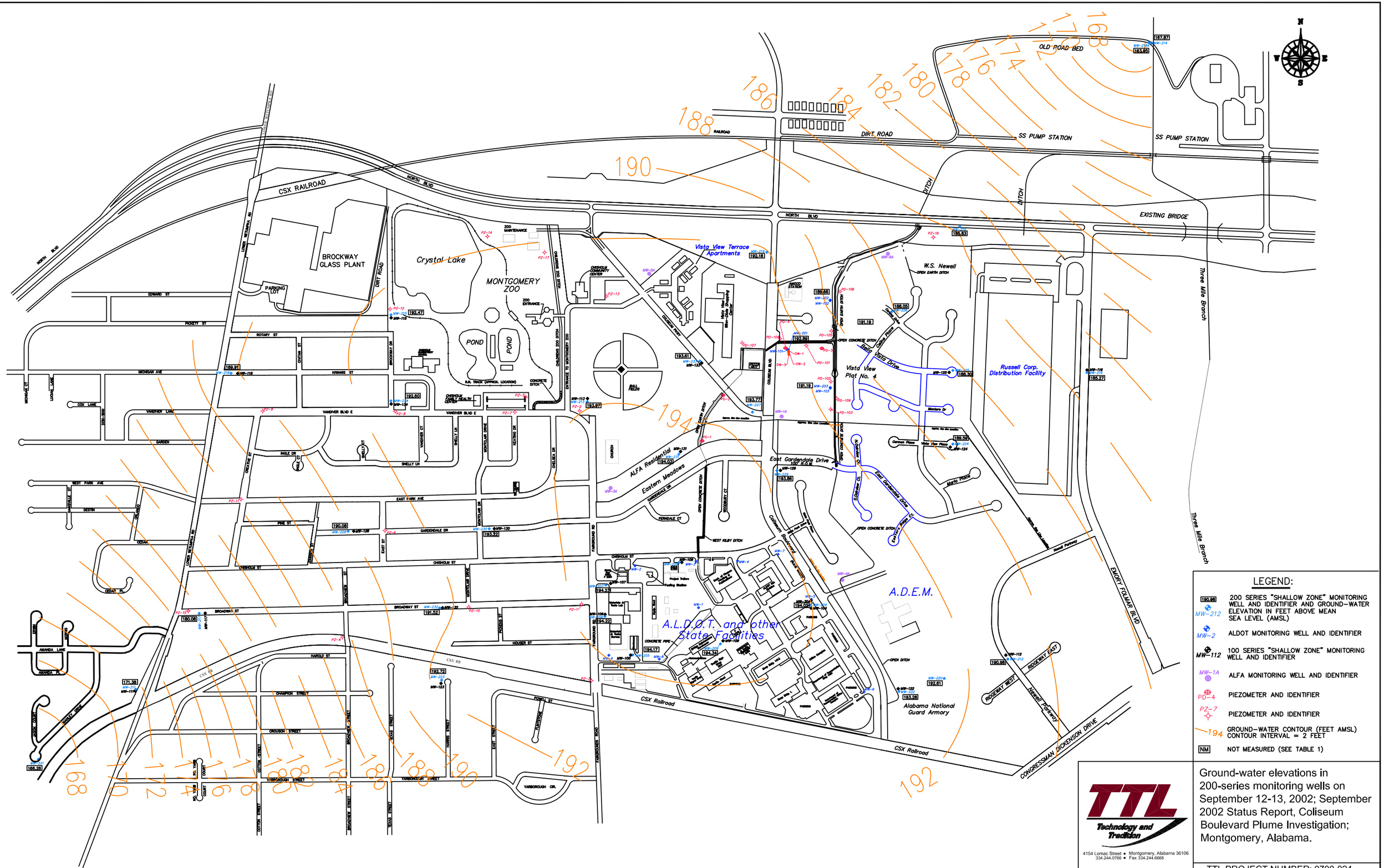
Ground-water elevations in 100-series monitoring wells, ALDOT and ALFA monitoring wells and piezometers on September 12-13, 2002; September 2002 Status Report, Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

TTL PROJECT NUMBER: 0700-024

Drawing No. 021014

SCALE: 1" = 400'

Plate 1



LEGEND:

190.98 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
NM	NOT MEASURED (SEE TABLE 1)

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.

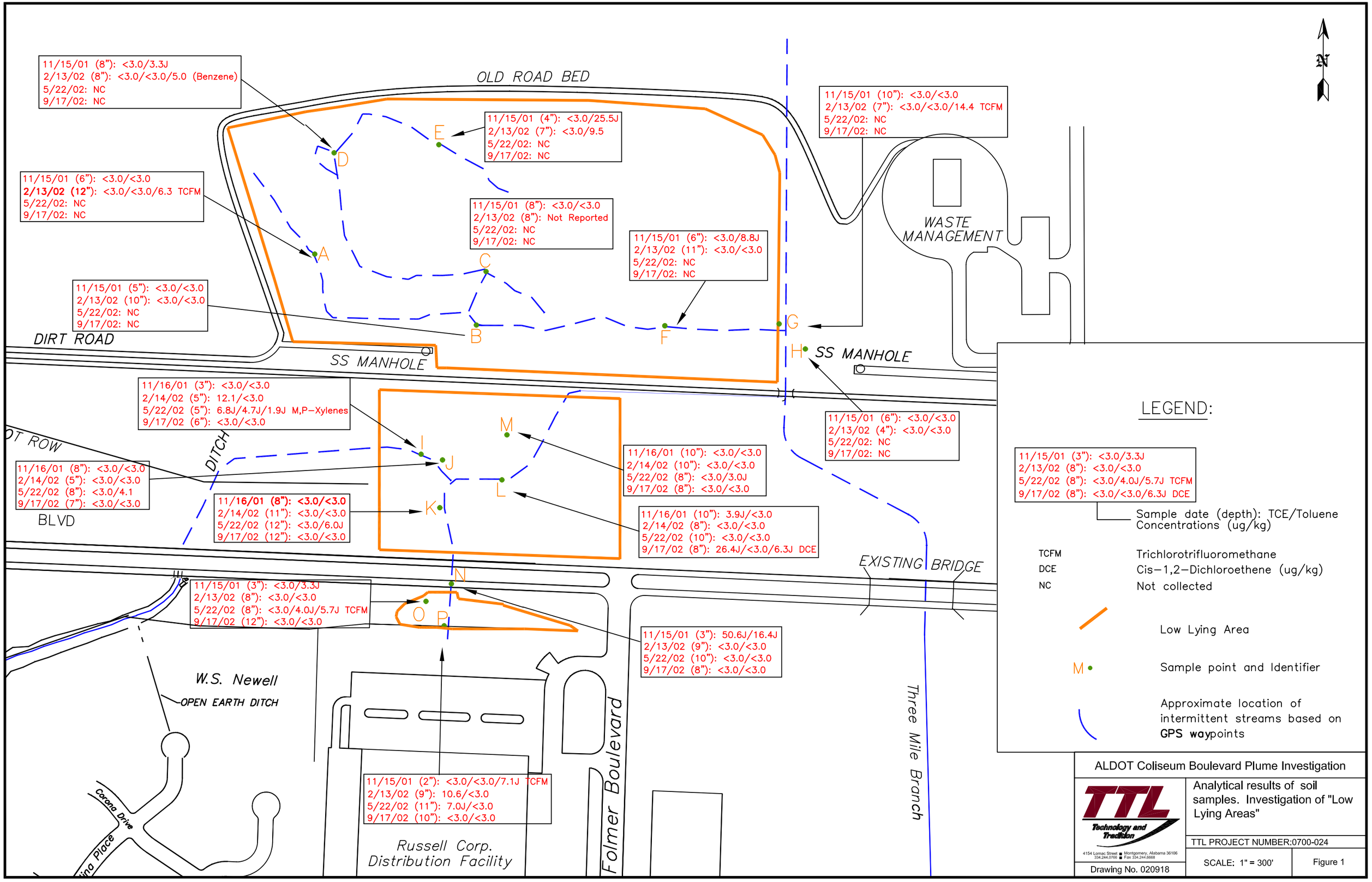
TTL Technology and Tradition
4154 Lomac Street ■ Montgomery, Alabama 36106
334.244.0766 ■ Fax 334.244.6668

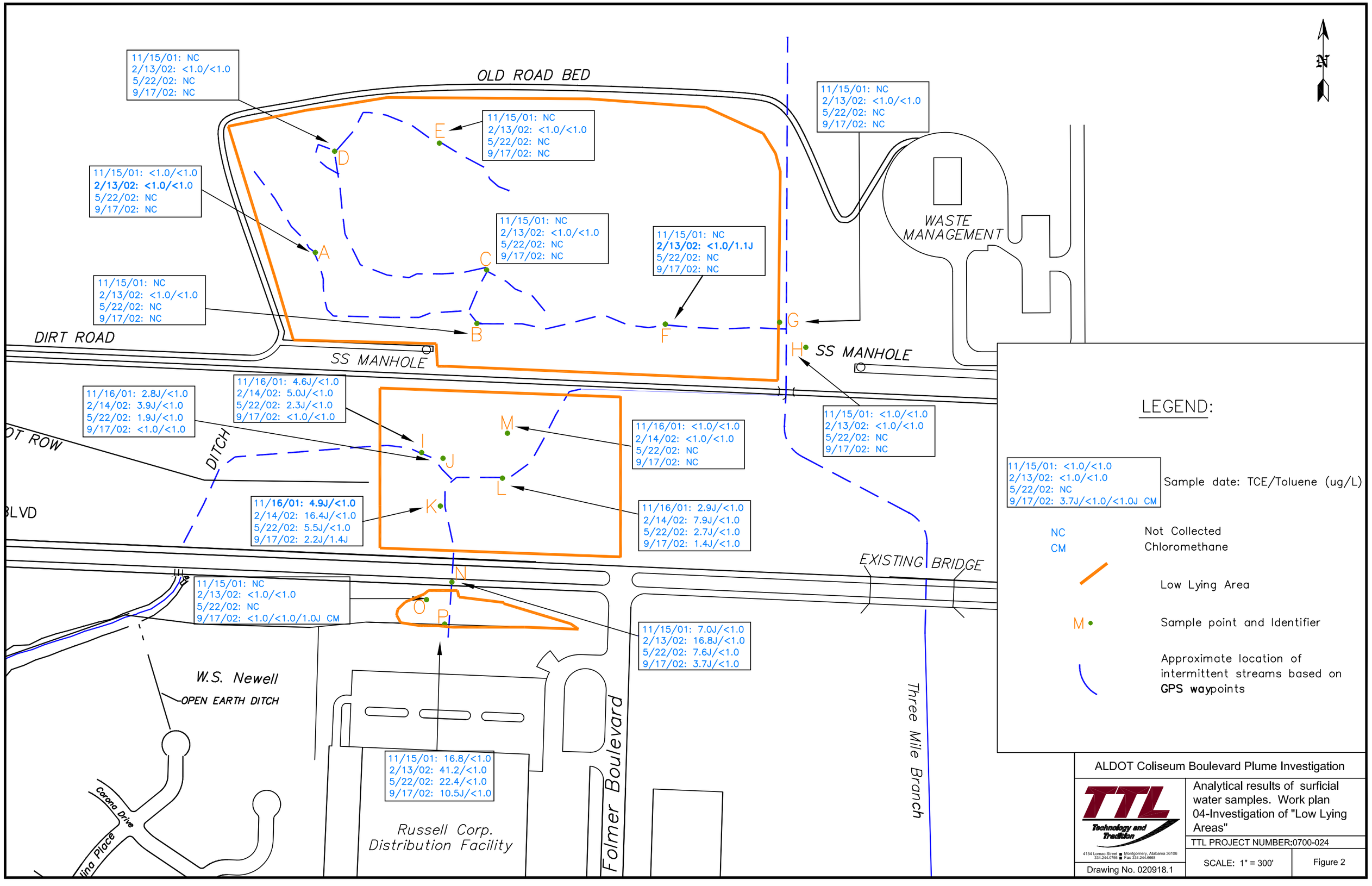
Ground-water elevations in 200-series monitoring wells on September 12-13, 2002; September 2002 Status Report, Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

TTL PROJECT NUMBER: 0700-024

Drawing No. 021014.1 | SCALE: 1" = 400' | Plate 2

FIGURES


N
OLD ROAD BED
11/15/01 (8"): <3.0/3.3J
2/13/02 (8"): <3.0/<3.0/5.0 (Benzene)
5/22/02: NC
9/17/02: NC
11/15/01 (4"): <3.0/25.5J
2/13/02 (7"): <3.0/9.5
5/22/02: NC
9/17/02: NC
11/15/01 (10"): <3.0/<3.0
2/13/02 (7"): <3.0/<3.0/14.4 TCFM
5/22/02: NC
9/17/02: NC
11/15/01 (6"): <3.0/<3.0
2/13/02 (12"): <3.0/<3.0/6.3 TCFM
5/22/02: NC
9/17/02: NC
11/15/01 (8"): <3.0/<3.0
2/13/02 (8"): Not Reported
5/22/02: NC
9/17/02: NC
11/15/01 (6"): <3.0/8.8J
2/13/02 (11"): <3.0/<3.0
5/22/02: NC
9/17/02: NC
11/15/01 (5"): <3.0/<3.0
2/13/02 (10"): <3.0/<3.0
5/22/02: NC
9/17/02: NC
D
E
A
C
B
F
G
H
WASTE MANAGEMENT
DIRT ROAD
SS MANHOLE
SS MANHOLE
11/16/01 (3"): <3.0/<3.0
2/14/02 (5"): 12.1/<3.0
5/22/02 (5"): 6.8J/4.7J/1.9J M,P-Xylenes
9/17/02 (6"): <3.0/<3.0
11/15/01 (6"): <3.0/<3.0
2/13/02 (4"): <3.0/<3.0
5/22/02: NC
9/17/02: NC
DITCH
I
J
M
L
K
11/16/01 (8"): <3.0/<3.0
2/14/02 (5"): <3.0/<3.0
5/22/02 (8"): <3.0/4.1
9/17/02 (7"): <3.0/<3.0
BLVD
11/16/01 (10"): <3.0/<3.0
2/14/02 (10"): <3.0/<3.0
5/22/02 (8"): <3.0/3.0J
9/17/02 (8"): <3.0/<3.0
11/16/01 (8"): <3.0/<3.0
2/14/02 (11"): <3.0/<3.0
5/22/02 (12"): <3.0/6.0J
9/17/02 (12"): <3.0/<3.0
11/16/01 (10"): 3.9J/<3.0
2/14/02 (8"): <3.0/<3.0
5/22/02 (10"): <3.0/<3.0
9/17/02 (8"): 26.4J/<3.0/6.3J DCE
EXISTING BRIDGE
N
O
P
11/15/01 (3"): <3.0/3.3J
2/13/02 (8"): <3.0/<3.0
5/22/02 (8"): <3.0/4.0J/5.7J TCFM
9/17/02 (12"): <3.0/<3.0
11/15/01 (3"): 50.6J/16.4J
2/13/02 (9"): <3.0/<3.0
5/22/02 (10"): <3.0/<3.0
9/17/02 (8"): <3.0/<3.0
W.S. Newell
OPEN EARTH DITCH
Corona Drive
Three Mile Branch
Folmer Boulevard
11/15/01 (2"): <3.0/<3.0/7.1J TCFM
2/13/02 (9"): 10.6/<3.0
5/22/02 (11"): 7.0J/<3.0
9/17/02 (10"): <3.0/<3.0
Russell Corp.
Distribution Facility
LEGEND:
11/15/01 (3"): <3.0/3.3J
2/13/02 (8"): <3.0/<3.0
5/22/02 (8"): <3.0/4.0J/5.7J TCFM
9/17/02 (8"): <3.0/<3.0/6.3J DCE
Sample date (depth): TCE/Toluene Concentrations (ug/kg)
TCFM Trichlorotrifluoromethane
DCE Cis-1,2-Dichloroethene (ug/kg)
NC Not collected
Low Lying Area
M Sample point and Identifier
Approximate location of intermittent streams based on GPS waypoints
ALDOT Coliseum Boulevard Plume Investigation
TTL Technology and Tradition
4154 Lomac Street Montgomery, Alabama 36106
334.244.0766 Fax 334.244.6668
Analytical results of soil samples. Investigation of "Low Lying Areas"
TTL PROJECT NUMBER:0700-024
SCALE: 1" = 300'
Figure 1
Drawing No. 020918


OLD ROAD BED
11/15/01: NC
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
11/15/01: NC
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
11/15/01: <1.0/<1.0
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
11/15/01: NC
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
11/15/01: NC
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
11/15/01: NC
2/13/02: <1.0/1.1J
5/22/02: NC
9/17/02: NC
11/15/01: NC
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
WASTE MANAGEMENT
DIRT ROAD
SS MANHOLE
SS MANHOLE
11/16/01: 2.8J/<1.0
2/14/02: 3.9J/<1.0
5/22/02: 1.9J/<1.0
9/17/02: <1.0/<1.0
11/16/01: 4.6J/<1.0
2/14/02: 5.0J/<1.0
5/22/02: 2.3J/<1.0
9/17/02: <1.0/<1.0
11/16/01: <1.0/<1.0
2/14/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
11/15/01: <1.0/<1.0
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: NC
DITCH
11/16/01: 4.9J/<1.0
2/14/02: 16.4J/<1.0
5/22/02: 5.5J/<1.0
9/17/02: 2.2J/1.4J
11/16/01: 2.9J/<1.0
2/14/02: 7.9J/<1.0
5/22/02: 2.7J/<1.0
9/17/02: 1.4J/<1.0
EXISTING BRIDGE
11/15/01: NC
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: <1.0/<1.0/1.0J CM
11/15/01: 7.0J/<1.0
2/13/02: 16.8J/<1.0
5/22/02: 7.6J/<1.0
9/17/02: 3.7J/<1.0
W.S. Newell
OPEN EARTH DITCH
11/15/01: 16.8/<1.0
2/13/02: 41.2/<1.0
5/22/02: 22.4/<1.0
9/17/02: 10.5J/<1.0
Russell Corp.
Distribution Facility
Folmer Boulevard
Three Mile Branch
Corona Drive
LEGEND:
11/15/01: <1.0/<1.0
2/13/02: <1.0/<1.0
5/22/02: NC
9/17/02: 3.7J/<1.0/<1.0J CM
Sample date: TCE/Toluene (ug/L)
NC Not Collected
CM Chloromethane
Low Lying Area
Sample point and Identifier
Approximate location of intermittent streams based on GPS waypoints
ALDOT Coliseum Boulevard Plume Investigation
TTL Technology and Tradition
4154 Lomac Street Montgomery, Alabama 36106
334.244.0766 Fax 334.244.6668
Analytical results of surficial water samples. Work plan 04-Investigation of "Low Lying Areas"
TTL PROJECT NUMBER:0700-024
SCALE: 1" = 300'
Figure 2
Drawing No. 020918.1

ATTACHMENTS

ATTACHMENT A
ANALYTICAL RESULTS
(Refer to GIS Database)
&
BORING LOG FOR MW-135A

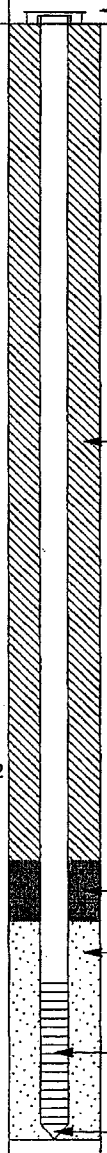
ALABAMA DEPT. OF TRANSPORTATION
COLISEUM BLVD. PLUME

LOG OF BORING MW 135A & WELL CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	09/30/2002
DRILLING COMPANY	Miller Drilling Co., Inc.	**CASING DIA./TYPE**	2" PVC
DRILLER	R. Stiles	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Versa Sonic w/4" & 6" ID Coring Rods	**FILTER PACK TYPE**	Gravel Pack #1
		TOP OF CASING	217.50 Ft. AMSL
REMARKS	*Chisholm St. near probehole location 28	**GROUND ELEVATION**	217.95 Ft. AMSL
		DEPTH TO WATER	23.50 Ft. BMP
		WATER ELEVATION	194.00 Ft. AMSL

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE
					0	Asphalt	
		CL			0	CLAY, red (2.5YR 5/8) & yellow (2.5Y 7/6), sandy w/mica	
5					0		
			9 - 10	80	0	SAND, yellowish-red (5YR 5/8), fine grained & silty w/mica	
10		SM			0		
15					0		
					3.9	SAND, reddish-yellow, fine grained w/mica & glauconite, silty	
			19 - 20	60	0.8		
20		SP SM			0	SAND, pale yellow (2.5Y 7/4), fine to very coarse grained w/approx. 30% fine to coarse gravel	10/10/02
25		SM			0	SAND, light gray (5Y 7/1) & brownish-yellow (10YR 6/8), fine grained, slightly clayey, silty w/mica & glauconite w/<5% fine to coarse gravel	
30		SC SM			0	SAND, olive yellow (2.5Y 6/6), fine to med. grained w/occ. (<5%) fine to med. gravel; SAND, pale yellow (5Y 8/2) & brownish-yellow, fine to med. grained, slightly clayey w/mica & glauconite	
35		SM			0.6	SAND, pale yellow, fine to med. grained, silty w/mica & glauconite	
					0	BORING TERMINATED AT 36 FEET.	

WELL DIAGRAM



Coliseum Blvd. Plume
F:\SECRETARY\2000\0700\024\PH34 52.GPJ 10/29/02 Report:TTL WELL LOG Template:TTLENV.GDT