



Transmission/Power Supply  
Surveying & Project Services

Project: **Kingston Fossil Plant**  
**Subsurface Investigations**  
**As Drilled Bore Holes**  
**June 2005**

Survey Date: 06/22/2005  
Project: RKQ724  
Job: RKQ724.5

Projection: Tennessee Lambert  
Horizontal Datum: NAD 27  
Vertical Datum: NGVD 29  
Units: US Survey Feet

Order: 4th  
Order: 4th

Printing Date: 07/08/2005

Bore Hole Number	US Survey Feet			Remarks
	NAD 27		NGVD 29 Elevation	
	Tennessee Lambert Northing	Easting		
* 3	549792.90	2441047.90	754.2	Ground @ drilled boring hole.
* 7	549931.54	2441212.25	760.5	Ground @ drilled boring hole.
* 8	550426.16	2441378.12	822.1	Ground @ drilled boring hole.
* 9	550230.89	2441380.31	793.4	Ground @ drilled boring hole.
* 18	550497.92	2441678.35	813.5	Ground @ drilled boring hole.
* 22	549543.93	2441614.34	742.1	Ground @ drilled boring hole.
22A	549559.18	2441621.50	742.1	Ground @ drilled boring hole.
35	549885.41	2442165.34	744.8	Ground @ drilled boring hole.
* 37	550993.80	2442193.20	847.3	Ground @ drilled boring hole.
* 38	550803.31	2442190.93	816.4	Ground @ drilled boring hole.
* 40	551057.09	2442378.89	823.6	Ground @ drilled boring hole.
* 44	550230.85	2442334.83	742.7	Ground @ drilled boring hole.
* 46	550277.65	2442590.14	751.5	Ground @ drilled boring hole.
47A	549781.87	2442639.03	762.9	Ground @ drilled boring hole.
* 60	551333.23	2443276.51	784.8	Ground @ drilled boring hole.
* 61	550898.66	2443239.01	766.6	Ground @ drilled boring hole.
* 63	551224.69	2443381.98	781.0	Ground @ drilled boring hole.
* 68	551099.43	2443532.30	772.0	Ground @ drilled boring hole.
73A	550504.74	2443682.97	753.0	Ground @ drilled boring hole.
73B	550589.15	2443761.10	747.9	Ground @ drilled boring hole.
73C	550526.59	2443727.62	749.7	Ground @ drilled boring hole.
73D	550551.72	2443819.30	746.2	Ground @ drilled boring hole.
73E	550506.85	2443810.85	747.7	Ground @ drilled boring hole.
74A	550357.39	2443821.82	752.3	Ground @ drilled boring hole.
77A	550109.14	2443892.53	749.3	Ground @ drilled boring hole.
85A	550254.15	2443504.40	760.6	Ground @ drilled boring hole.
85B	550255.75	2443502.05	761.1	Ground @ drilled boring hole.
* 89	550784.09	2441624.67	847.7	Ground @ drilled boring hole.

\* = Revised location. Not drilled at previously staked position.



Transmission/Power Supply  
Surveying & Project Services

Project: **Kingston Fossil Plant  
Subsurface Investigations  
Monitoring Wells  
June 2005**

Survey Date: 06/21/2005  
Project: RKQ724  
Job: RKQ724.5  
RKQ724.6 (ESK-41 Pg. 14-17)

Projection: Tennessee Lambert  
Horizontal Datum: NAD 27  
Vertical Datum: NGVD 29  
Units: US Survey Feet  
Order: 4th  
Order: 4th

Printing Date: 07/08/2005

Name	US Survey Feet			Remarks
	NAD 27		NGVD 29 Elevation	
	Tennessee Lambert Northing	Easting		
MW-10A	550029.94	2441382.19	768.2	Ground @ PVC pipe
			771.87	Top of PVC pipe (cap removed)
MW-10B	550032.15	2441388.23	768.2	Ground @ PVC pipe
			771.61	Top of PVC pipe (cap removed)
MW-21A	549807.05	2441639.95	757.7	Ground @ PVC pipe
			762.34	Top of PVC pipe (cap removed)
MW-44A	550225.57	2442337.37	742.4	Ground @ PVC pipe
			745.00	Top of PVC pipe (cap removed)
MW-44B	550230.54	2442335.66	742.7	Ground @ PVC pipe
			744.04	Top of PVC pipe (cap removed)
MW-47A	549788.84	2442637.11	762.9	Ground @ PVC pipe
			766.38	Top of PVC pipe (cap removed)
MW-63A	551241.81	2443385.49	780.2	Ground @ PVC pipe
			781.96	Top of PVC pipe (cap removed)
MW-63B	551229.72	2443376.76	780.9	Ground @ PVC pipe
			784.94	Top of PVC pipe (cap removed)
MW-66A	550505.31	2443457.06	752.9	Ground @ PVC pipe
			756.39	Top of PVC pipe (cap removed)
MW-74A	550361.72	2443829.55	752.0	Ground @ PVC pipe
			756.01	Top of PVC pipe (cap removed)

US Survey Feet				
NAD 27				
Name	Tennessee Lambert		NGVD 29	Remarks
	Northing	Easting	Elevation	
MW-77A	550108.71	2443880.98	749.9	Ground @ PVC pipe
			754.37	Top of PVC pipe (cap removed)
MW-81A	550981.60	2444131.45	763.4	Ground @ PVC pipe
			765.25	Top of PVC pipe (cap removed)
MW-81B	550976.54	2444127.77	762.9	Ground @ PVC pipe
			764.27	Top of PVC pipe (cap removed)

KIF Peninsula - Well and Boring Locations Requiring Resurvey

HOLE ID	Original Survey		NGVD 29 Ground Elevation (ft-msl)	Off-set (ft)	Off-set (direction)
	Tennessee Lambert (NAD 27) Northing (ft)	Easting (ft)			
<b>Boring Locations Originally Surveyed</b>					
NB-3	549815.23	2441041.16	755.44	23.0	south
NB-7	549927.06	2441209.11	760.65	5.0	East
NB-8	550429.54	2441364.13	824.23	14.1	East
NB-9	550227.71	2441370.38	793.66	10.1	East
NB-18	550498.59	2441685.44	814.48	6.5	S 82 degrees W of original staked location
NB-22	549601.93	2441600.16	739.35	50.0	S 14 degrees W of original staked location
NB-37	550995.08	2442189.76	848.02	4.0	South
NB-35	never surveyed			200.0	N 45 degrees E of NB-36 and about 20 feet SE from the edge of the existing pond
NB-38	550805.76	2442193.52	816.69	3.8	West
NB-40	551076.38	2442372.59	827.35	20.5	South
NB-44	550230.34	2442326.52	743.01	9.0	S 85 degrees E of original staked location
NB-46	550253.21	2442581.63	752.18	26.0	East
NB-55	551142.98	2442970.31	794.60	28.0	South
NB-60	551347.17	2443231.71	798.75	48.0	South
NB-61	550879.19	2443263.67	766.37	12.0	North
NB-63	551260.87	2443352.08	779.64	39.0	S 45 degrees E of original staked location
NB-68	551132.02	2443506.10	773.16	42.8	South
NB-87	550643.76	2441240.55	873.37	14.7	West
NB-88	550716.66	2441445.55	854.33	15.4	West
NB-89	550780.18	2441618.74	848.05	7.0	West
<b>Well Locations Not Originally Surveyed</b>					
MW-10A	550030.19	2441383.04	768.11		at NB-10
MW-10B	550030.19	2441383.04	768.11		at NB-10
MW-21A	549791.49	2441645.61	757.00		at NB-21
MW-44A	550230.34	2442326.52	743.01		at NB-44
MW-44B	550230.34	2442326.52	743.01		at NB-44
MW-47A	549775.07	2442632.74	762.78		at NB-47
MW-63A	551260.87	2443352.08	779.64		at NB-63
MW-63B	551260.87	2443352.08	779.64		at NB-63
MW-66A	550502.24	2443453.56	752.66		at NB-66
MW-74A	550357.65	2443822.35	752.05		at NB-74
MW-77A	550108.13	2443887.66	749.32		at NB-77
MW-81A	550973.35	2444125.88	762.63		at NB-81
MW-81B	550973.35	2444125.88	762.63		at NB-81
<b>New Boring Locations Not Originally Surveyed</b>					
NB-22A	never surveyed			3.4	S 55 degrees W of NB-22
NB-47A	never surveyed			9.0	N 48 degrees E of NB-47
NB-73A	never surveyed			5.0	N 11 degrees E of NB-73
NB-74A	never surveyed			8.0	N 65 degrees E of NB-74
NB-77A	never surveyed			11.0	N 75 degrees E of NB-77
NB-85A	never surveyed			4.3	N 25 degrees W of NB-85
NB-85B	never surveyed			7.9	N 25 degrees W of NB-85
NB-73B	never surveyed			50.0	N of NB-73
NB-73C	never surveyed			50.0	E of NB-73
NB-73D	never surveyed			50.0	W of NB-73
NB-73E	never surveyed			100.0	W of NB-73

