



engineering and constructing a better tomorrow

April 5, 2007

Mr. Ron Purkey
Tennessee Valley Authority
1101 Market Street, LP-2G
Chattanooga, TN 37402

**Subject: Field Density Test Results and
Records of Site Visits
TVA Kingston Dredge Cell
Kingston, Tennessee
MACTEC Project 3043061047**

Dear Mr. Purkey:

Attached are Field Density Test Results and Records of Site Visits on your project for the period ending March 23, 2007. We note units of time shown on invoices but not accounted for on a Record of Site Visit are units spent for meetings, administration, analyses, report preparation, telephone discussions, etc.

If you have any questions concerning the attached information, please contact us.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

A handwritten signature in black ink that reads "Jim Law".

Jim Law NICET IV
Construction Services Supervisor

A handwritten signature in black ink that reads "Carl D. Tockstein".

Carl D. Tockstein, P.E.
Chief Engineer – Tennessee Operations

JL/CDT:sac

Attachments

Cc: Mr. Larry Harless
Tennessee Valley Authority

REPORT OF FIELD DENSITY TESTS



1725 Louisville Drive
Knoxville, TN 37921
Phone: (865) 588-8544

Report Date: 4/12/2007

CLIENT: TENNESSEE VALLEY AUTHORITY
PROJECT: TVA Cumberland
Cumberland City, TN

JOB NO.: 3043061047

TEST DATE	TEST NUMBER	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PROCTOR NUMBER	MAX DRY DENSITY (PCF)	OPTIMUM MOISTURE (%)	COMPACTION (%)	SPECIFIED COMPACTION (%)	TEST METHOD	ELEVATION OR DEPTH
03/20/2007	0001	16.2	98.7	2	101.8	15.3	97	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0002	17.3	99.1	2	101.8	15.3	97	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0003	16.5	101.6	2	101.8	15.3	100	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0004	15.3	102.3	2	101.8	15.3	100 +	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0005	17.5	101.7	2	101.8	15.3	100	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0006	16.2	100.4	2	101.8	15.3	99	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0007	17.1	102.8	2	101.8	15.3	100 +	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0008	16.0	101.1	2	101.8	15.3	99	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0009	15.0	100.7	2	101.8	15.3	99	95	3	1st lift
Location: West side of ash pile - silo area Comments:										
03/20/2007	0010	16.2	103.6	2	101.8	15.3	100 +	95	3	1st
Location: West side of ash pile - silo area Comments:										

REMARKS

Performed in General Accordance With:
3 - ASTM D2922
<< Denotes Less Than Specified Compaction

DISTRIBUTION

Mr. Larry Harless, TENNESSEE VALLEY AUTHORITY (D1)
Mr. Ron Purkey, TENNESSEE VALLEY AUTHORITY (D1)

RESPECTFULLY SUBMITTED:

Jim Law

