

AG 07-0312 SOS

Lynn, E.



Env. Document Type
Solid Waste Correspondence

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
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February 15, 2007

Mr. Gordon Park
Manager of Permitted Programs
Tennessee Valley Authority
1101 Market Street
Chattanooga, Tennessee 37402-2801

RE: Kingston Fossil Plant Ash Disposal Area (IDL 73-0094) Groundwater Monitoring Report.

Dear Mr. Park:

The Division has received the above report dated February 6, 2007. Your request to reestablish the silver ground water protection standard to 180 ppb has been approved. Further, please continue to reevaluate the groundwater monitoring network for this facility. If it is determined this monitoring well has been affected by faulty construction, then the monitoring well shall be replaced.

Enclosed is a copy of the completed checklist for the most recent groundwater report submitted. Please note the comments listed on page 2 of the checklist and address them in the next report. If you should have any questions about my review, please feel free to call me at (865) 594-5464.

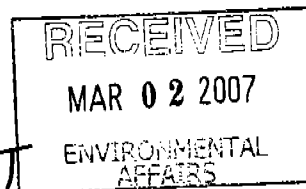
Respectfully,

David Fugate, P.G., TN 3830
Geologist
Division of Solid Waste Management

Enclosure: Groundwater Report Review Checklist

cc: DSWM CO
File

XC: J.M. Beggs, WT 9D-K
L.F. Campbell, KFP 1A-KST
EDM, WT CA-K





GROUND WATER REPORT REVIEW CHECKLIST

Facility Name: Kingston Fossil Fuel Plant ID #: IDL 73-0094

Class I Class II Class III Class IV Status: OPEN CLOSED

Type Monitoring: Detection Assessment

Date Sampled: 12/2006 Date Last Sampled: 11/2006 Expected Date Next Sampling: 10/2007

Current Sampling Interval: Semi-annual Quarterly Other: _____

Parameters: Appendix I: Appendix II Others: Metals

Wells: Upgrade: 1 Downgrade: 3 Other Points: _____

Sampled with (pumps, bailers, dedicated/portable, etc.): Portable pump

Report Written by (Company/ Author): TVA

Date Received: 02/08/07 Date(s) Reviewed: 02/15/07

CODE	REPORT ADDRESS	YES	NO	COMMENTS
7100	Report submitted within 60 days of sampling event? 1200-1-7-.04(7)(a)4.(viii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7120	Report indicates that sampling has been done in accordance with facility's approved monitoring plan 1200-1-7-.04(7)(a)5.(i)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date of approved version: August 1996 Amendments/revisions:
7130	Analytical Results Provided 1200-1-7-.04(7)(a)4.(viii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Field Parameters: Lab Analysis: Summary Spreadsheets Included: YES
7140	Leachate Analyzed 1200-1-7-.04(4)(a)8.(ii)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Date of Analysis: Not required.
7150	Copies of Field Data Sheets/Record 1200-1-7-.02(4)(a)9.(iii) 1200-1-7-.04(7)(a)5.(i)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sampling Personnel: Employed by: TVA Place sampled: Sampling Date(s) and Time(s) recorded: YES Others/Observers present:
7160	Copies of laboratory reports 1200-1-7-.02(4)(a)9.(iii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Laboratory: TVA Analysis dates: Personnel performing analysis: Correct analytical methods & equipment:
7170	Chain of Custody forms 1200-1-7-.04(7)(a)4.(i) II and IV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Holding times adhered to: YES Sample preservation and transport appropriate: YES
7180	Groundwater Elevations 1200-1-7-.04(7)(a)4.(ii) 1200-1-7-.04(7)(a)5.(ii)(III) 1200-1-7-.02(4)(a)9.(ii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7190	Flow direction and rate information 1200-1-7-.04(7)(a)4.(ii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Method used: Darcy
7200	Statistical evaluation of analytical data 1200-1-7-.04(7)(a)4.(v)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Method used: only annual
7210	Statistically significant increase over background indicated 1200-1-7-.04(7)(a)5.(iii)	<input type="checkbox"/>	<input type="checkbox"/>	14 Day notification done: Assessment program est: w/in 90 days: Other source demonstrated:

GROUNDWATER SAMPLING EVENT REPORT REVIEW

FACILITY IDL 73-0094

SAMPLING EVENT DATE(S) 12/2006

REGULATORY REQUIREMENTS		COMPLIANCE		COMMENTS
7220	Inorganics exceed the MCLs or GW protection std 1200—1—7—.04(7)(a)1. And .04(7)(b, c, or d) as appropriate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Parameter(s)/MCL or standard (Well/Concentration): Alternate groundwater protection standard approved for silver to 180 ppb.
7230	VOC's present in the ground water analysis 1200—1—7—.04(7)(a)4(viii)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Parameter(s) (Well/Concentration):
7240	VOC's (if present) exceed MCLs or GW protection std 1200—1—7—.04(7)(a)1. And .04(7)(b, c, or d) as appropriate	<input type="checkbox"/>	<input type="checkbox"/>	Parameter(s)/MCL or standard (Well/Concentration):
7250	Facility has a statistically significant exceedance of 1 or more parameter? 1200—1—7—.04(7)(a)4(viii) and (ix) 1200—1—7—.04(7)(a)5(iii)	<input type="checkbox"/>	<input type="checkbox"/>	Parameter(s) (Well/Concentration):

GENERAL COMMENTS

Condition of wells, equipment malfunction, weather, "dry" wells, problems encountered, - Reviewer's general notes or questions based on evaluation of this report, etc.

See letter.

Reviewed by: DAVID FUGATE Signature: [Signature] Date: 2/15/07