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STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
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April 26, 2005

XC: J.M. Boggs, WT 9C-K  
L.F. Campbell, KFP 1A-KST  
Reading File, LP 5D-C  
EDM, WT CA-K

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:

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

RECEIVED

APR 29 2005

ENVIRONMENTAL AFFAIRS  
FOSSIL POWER GROUP



## 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: 03/2005 Date Last Sampled: 12/2004 Expected Date Next Sampling: 06/2005

Current Sampling Interval:  Semi-annual    Quarterly    Other: \_\_\_\_\_

Parameters:  Appendix I:  Appendix II    Others: \_\_\_\_\_

# Wells: Upgrade: 1 Downgrade: 3 Other Points: \_\_\_\_\_

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

Report Written by (Company/ Author): TVA

Date Received: 04/22/05 Date(s) Reviewed: 04/26/05

Code	REPORT ADDRESSES	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: Will be done March 2005 after two years of quarterly baseline monitoring.
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 73-009V  
 SAMPLING EVENT DATE(S) 03/2005

Code	REGULATORY ADDRESSES	Yes	No	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):
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.

None

Reviewed by: DAVID Fryate Signature: [Signature] Date: 4/26/05