



LABORATORY RESOURCES, INC.

INTECH BIOLABS DIVISION

158 Tices Lane East Brunswick, New Jersey 08816 (908) 257-1050 Fax (908) 257-2790

ANALYTICAL DATA REPORT

No. I208154

Project: 28173

prepared for:

ANALYTIKEM
28 Springdale Road
Cherry Hill, NJ 08003

Date Sampled: August 14, 1992

Report Date: September 2, 1992

Prepared by

LABORATORY RESOURCES, INC.
INTECH DIVISION


Daniel Glenn
Laboratory Director

NJDEP Certification No. 12427
PADER Certification No. 68-420

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PDR ADOCK 05000272
P PDR

LABORATORY RESOURCES, INC. INTECH ANALYTICAL REPORT NO. I208154
ANALYTIKEM

ANALYTICAL RESULTS: TOXICITY CHARACTERISTIC LEACHATE PROCEDURE

Intech Sample Number: 01
Client Designation: 28173-1
Bias Adjustment Sample: 8090-01 MS

Parameter	Results (Unadjusted) (mg/L)	Results (Adjusted) (mg/L)	Regulatory Limits (mg/L)
2,4-D	< 0.0005	< 0.00057	10
2,4,5-TP (Silvex)	< 0.0002	< 0.00056	1.00

LABORATORY RESOURCES, INC. INTECH ANALYTICAL REPORT NO. I208154
ANALYTIKEM

ANALYTICAL RESULTS: TOXICITY CHARACTERISTIC LEACHATE PROCEDURE

Intech Sample Number: 02
Client Designation: 28173-2
Bias Adjustment Sample: 8090-01 MS

Parameter	Results (Unadjusted) (mg/L)	Results (Adjusted) (mg/L)	Regulatory Limits (mg/L)
2,4-D	< 0.0005	< 0.00057	10
2,4,5-TP (Silvex)	< 0.0002	< 0.00056	1.00

TABLE OF ABBREVIATIONS

B	Compound detected in blank.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes.
BTX	Benzene, Toluene, and Xylenes.
CCC	Calibration check compound.
D	Concentration calculated from analysis of diluted sample.
DI	Deionized water.
IND	Indeterminate; result cannot be adjusted for bias because spike was not recovered.
J	Compound was detected at levels below the quantitation limit. The level reported is approximate.
MS	Matrix spike.
MSD	Matrix spike duplicate.
ND	Not detected.
PCB	Polychlorinated Biphenyls.
PHC	Petroleum Hydrocarbons, Total Recoverable.
RPD	Relative percent difference.
RSD	Relative standard deviation.
SPCC	System performance check compound.
SVO	Semivolatile organics.
VOA	Volatile organics analysis.
TNTC	Too numerous to count

AnalytiKEM An American NuKEM Company

28 Springdale Road
Cherry Hill, New Jersey 08003
(609) 751-1122 • (215) 923-2068
Fax: (609) 751-0824

I 208154
Chain of Custody

454 South Anderson Road BTC-532
Rock Hill, South Carolina 29730
(803) 329-9690
Fax: (803) 329-9689

Client AnalytiKEM

Project: 2E.73

AnalytiKEM Contact Tracy Atkins

SAMPLE DESIGNATION	DATE	MATRIX	40 ml vials	950 ml Org. Pres.	500 ml Unpres.	ml Unpres.	ml HNO ₃	ml H ₂ SO ₄	ml H ₂ SO ₄	ml NaOH			PARAMETERS
28173-1	8/14	Ag			-		-01						TCLP Herbicides
28173-2	8/14	Ag			-		-02						TCLP Herbicides

I. Field Measurements:

Data Sheets: Y N

Filtered: Y Not Required

II. Field Conditions/Comments:

III. Special Instructions:

(Detection Limits, Data Package, etc.)

Relinquished By:	Time/Date:	Received By:	Time/Date:
	1700 5/18/92	Federal Express 4662073920 	05-17-92 / 09 1015

ATTACHMENT 2

CASE NO. 92-07-09-0909-38

ATTACHMENT 2 (continued)

DISCHARGE CONFIRMATION REPORT
CASE No. 92-07-09-0909-38

DISCHARGE LOCATION:

Salem Generating Station
End of Buttonwood Road
Block#: 26
Lot#: 4.01
Municipality: Lower Alloways Creek Township
County: Salem County
Zip Code: 08038
Tax #: 22-1212-800
EPA ID#: NJD077070811
(Map enclosed - See Figures 3 and 4)

CHEMICAL DISCHARGED:

No. 2 Fuel Oil
CAS Number: 068-476-302

QUANTITY DISCHARGED:	10-15 gallons
DATE/TIME DISCHARGE BEGAN:	July 9, 1992 0900 hours
DATE/TIME DISCHARGE ENDED:	July 9, 1992 0900 hours
DATE/TIME DISCHARGE DISCOVERED:	July 9, 1992 0900 hours
DATE/TIME DISCHARGE REPORTED TO NJDEPE HOTLINE:	July 9, 1992 0909 hours

MEASURES TAKEN TO CONTAIN, CLEANUP AND REMOVE THE DISCHARGE:

Operations personnel immediately notified the Senior Nuclear Shift Supervisor (SNSS) of the discharge. The SNSS then contacted Site Services personnel and reported the discharge to the NJDEPE Hotline. Operations and Site Services personnel excavated the gravel and soil in the affected area and placed the material into nine (9) drums for disposal. The drums were then sampled and analyzed to determine the material's waste classification and ultimate disposal plan.

Upon review of the analytical results of the excavated soil, the material was classified as a non-hazardous Type 27 Industrial Waste and is being disposed of at the Salem County Solid Waste Facility. The estimated cost for cleanup and disposal of the material is \$2,400.

ATTACHMENT 2 (continued)

DISCHARGE CONFIRMATION REPORT
CASE No. 92-07-09-0909-38

CORRECTIVE MEASURES:

PSE&G is in the process of designing a secondary containment for the MFOST filter house in accordance with the criteria outlined in NJAC 7:1E-2. This containment will collect all spills and leaks from the filter house and direct them to a new treatment system. The estimated completion date for this project is December 31, 1993.

INDIVIDUAL INVOLVED IN CONTAINMENT/CLEANUP:

The individual responsible for the cleanup and disposal of the contaminated material is:

R. B. Lockwood
Yard Supervisor
Site Services Maintenance
Public Service Electric and Gas
Nuclear Department
P. O. Box 236, M/C N34
Hancocks Bridge, New Jersey 08038
(609) 339-5092

TYPE, QUANTITY, LOCATION AND DATE OF SAMPLES:

Due to the similarities between this discharge and a second discharge of fuel oil at this location on the previous day (reported to NJDEPE as Case No. 92-07-08-0820-51), the material from both discharges was combined for disposal. A sample aliquot was obtained from each drum of excavated material from a depth of 6 inches to 2 feet. These aliquots were then composited to form a single sample for analysis. A Toxicity Characteristic Leachate Procedure (TCLP) analysis was conducted by AnalytiKEM, Inc. A copy of the results of this analysis are attached.

INDIVIDUAL CONDUCTING ANALYSIS:

Gregory A. Pruna
Laboratory Manager
AnalytiKEM, Inc.
28 Springdale Road
Cherry Hill, NJ 08003

QUALITY ASSURANCE PROCEDURES:

See attached report.

SAMPLE METHODOLOGY:

See attached report.