

0083062

SAF-RC-006
100-N Ancillary Facilities & 190-DR
Other Solid Sampling for ERDF Waste
Designation
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kevin Finucane	X5-50	<u>KW 8/31/09</u> INITIAL/DATE
Mike Stankovich	X5-50	<u>KW 8/31/09</u> INITIAL/DATE

COMMENTS:

SDG 0908577

SAF-RC-006

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site(s): 109-N Turbine Bay Excavation

RECEIVED
SEP 09 2009
EDMC



Submitted To: Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland WA 99354

RECEIVED

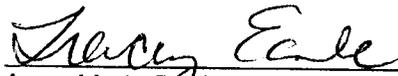
Test Report
Page 1 of 2
8/28/09

REFERENCE DATA:

Client Sample No.: J195N8 through J195N9
P.O. No.: N/A
Sample Location: 109-N Turbine Bay Excavation
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
ALS Work Order No.: 0908577
ALS Sample ID No.: 0908577-01 through 0908577-02
Sample Receipt Date: 8/28/09
Analysis Date: 8/28/09

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. ALS Laboratory Group will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


for Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

ALS Laboratory Group Environmental Division (Cincinnati) NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government.



**ALS Laboratory Group
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford
Location: 109-N Turbine Bay Excavation

Client Sample ID:	J195N8	J195N9
ALS Sample ID:	0908577-01	0908577-02
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Homog.	Homog.
Color:	Black	Black
Texture:	Fbrs/Resns	Fbrs/Resns
Description:	Material	Material
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:	>20 ≤ 30	
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	>20 ≤ 30	ND
Other Materials		
% Cellulose:		>40 ≤ 50
% Fiberglass:		
% Other Fibers:	>5 ≤ 10	
% Resin/Binder:	>30 ≤ 40	>20 ≤ 30
% Non Fibrous:	>10 ≤ 20	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: N/A.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request.

Wherever possible, separate phases are analyzed and reported individually.

0908 5771

Washington Closure Hanford

Collector: Edmundson
 Company Contact: Mike Stankovich
 Telephone No.: 430-7142

Project Designation: 100-N Ancillary Facilities & 190-DR Other Solid Sampling f
 Sampling Location: 109-N Turbine Bay Excavation

Ice Chest No.:
 Fed Ex Box:
 Field Logbook No.: EL-1516-15
 COA: RD4MXXX2F00

Shipped To: DanaChem Laboratories - Cincinnati
 Offsite Property No.: A090151

POSSIBLE SAMPLE HAZARDS/REMARKS: PACM

Special Handling and/or Storage: N/A

Sample No.	Matrix *	Sample Date	Sample Time	Preservation		No. of Container(s)	Volume
				Type of Container	None		
J195N8	01 OTHER SOLID	8/26/09	14:20	G/P		1	5g
J195N9	02 OTHER SOLID	8/26/09	14:30				

SAMPLE ANALYSIS

Sample No.	Matrix *	Sample Date	Sample Time	Asbestos	BULK EPA
J195N8	01 OTHER SOLID	8/26/09	14:20	✓	
J195N9	02 OTHER SOLID	8/26/09	14:30	✓	

CHAIN OF POSSESSION

Received By/Stored In	Date/Time	Received By/Stored In	Date/Time	Received By/Stored In	Date/Time
J.P. Stankovich	8-26-09 1545	160 Bottle # 20	8-26-09 1545		
W. Stankovich	8/27/09 0915	W. Stankovich	8/27/09 0915		
W. Stankovich	8/27/09 0915	Blaine Nelson	8/28/09 10:14		

LABORATORY SECTION: Received By: _____ Date/Time: _____

FINAL SAMPLE DISPOSITION: Disposal Method: _____ Date/Time: _____

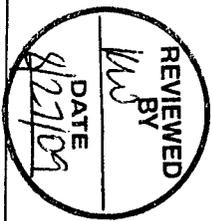
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Price Code 9K Data Turnaround 7 Days 8/28/09

7 Days 8/28/09

SPECIAL INSTRUCTIONS

Run TEM if asbestos is detected by PLM between 1 and 5%.



- S-Soil
- SC-Sediment
- SO-Solid
- SI-Sludge
- W-Water
- Q-Other
- A-Air
- DS-Drain Solids
- DC-Drain Condensate
- LI-Liquid
- V-Vapor
- X-Other