

START

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9310L363-WES-1319

102

0045874



ROY F. WESTON, INC.
LIONVILLE ANALYTICAL LABORATORY
ANALYTICAL CASE NARRATIVE

**** REVISION ****

Client: WESTINGHOUSE HANFORD
RFW #: 9310L363

W.O. #: 06168-002-001-9999-00
Date Received: 10-21-93

GC SCAN

One (1) soil sample was collected on 10-13-93.

The sample and its associated QC samples were extracted on 10-25-93 and analyzed by WESTON OP 21-16-8015.2 for Diesel Range Petroleum Hydrocarbons on 10-29,30-93.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. This narrative has been revised to reflect method of analysis.
2. All surrogate recoveries were within laboratory control limits.
3. All blank spike recoveries were within laboratory control limits.
4. All matrix spike recoveries were within laboratory control limits.
5. The multi-level Diesel Fuel standards provided calibration data with a correlation coefficient of at least 0.996.
6. Seven (7) to ten (10) hydrocarbon peaks were used to quantitate Diesel Fuel in standards, samples, and spikes.
7. Continuing calibration criteria (15%) were met for all continuing standards analyzed prior to the sample extracts.

J. Peter Hershey

J. Peter Hershey, Ph.D.
Laboratory Manager
Lionville Analytical Laboratory

02.02.94

Date



9713506.2811

DON'T SAY IT --- Write It!

DATE: February 25, 1994

TO: 9310L363-WES-629

FROM: Pat Reich

H4-19

Telephone: 372-2785

cc:

SUBJECT: DATA VALIDATION FOR THE 100-IU-1, RIVERLAND ERA SAMPLING PROJECT

THE VALIDATION REPORT FOR THIS DATA PACKAGE IS FILED IN B08NP7-TMA-559.

PAT REICH

ADDENDUM

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Sourabh Bhoonthalwar Name: Sour N. BASUTHAWAR
Date: 11.10.03 Title: UNIT-LEADER

Westinghouse
Hanford
Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Page 1 of 1

005213

Collector **M.L. MYERS/L. GUERRA** Company Contact **C.E. HEIDEN**

Telephone **376-2640**

SAF No. **93-181**

Project Designation **Operable Unit - 100-IU-1**

Sampling Location **RIVERLAND**

Ice Chest No. **WAC 054**

Bill of Lading/Airbill No. **997 332 624**

Offsite Property No.

Method of Shipment **AIR OVERNIGHT**

Field Logbook No. **WHC-N-205-26**

Shipped to **ROY F. WESTON . LIONVILLE, PA**

Possible Sample Hazards/Remarks **UNKNOWN, SUBJECT TO ANALYSIS/PRIORITY TURNAROUND REQUESTED/CERCLA PROTOCOL**

Special Handling and/or Storage **Shipped on WET ICE. KEEP AT 4 DEGREES C**

0003

Sample Number	*	Date Collected	Time	Number and Type of Containers	Analysis Required	Preservative
B03858	PS	10-13-93	12:54	1, Gs 125ML	TPN-DIESEL RANGE, METHOD 8015M	N/A
<i>[Signature]</i>						

9713506.2814

Chain of Possession		(Sign and Print Names)		PRIORITY TURNAROUND, Temp = 5.30C	* Matrix SE = Sediment SL = Sludge SO = Solid T = Tissue W = Water WI = Wipe X = Other A = Air DL = Drum Liquids DS = Drum Solids L = Liquid O = Oil S = Soil
Ret. Inquished By <i>L. GUERRA</i>	Date/Time <i>10-18-93</i>	Received By <i>Burlington Air</i>	Date/Time <i>10-21-93 15:00</i>		
Retinquished By <i>Burlington Air</i>	Date/Time	Received By <i>B. Burnett</i>	Date/Time		
Retinquished By	Date/Time	Received By	Date/Time		
LABORATORY SECTION	Received By	Title		Date/Time	
Final Sample Disposition	Disposal Method:	Disposed by:		Date/Time:	

Riverland ERA
SAF # 93-181

DON'T SAY IT — Write It!

DATE: April 22, 1993 93-33530-052

TO: J. E. Lindsey SO-05

FROM: K. A. Smith *KA* NI-06

cc: R. H. Griffin S4-67
R. E. Heineman R3-12
J. W. Schmidt H6-30
P. J. Valcich H6-04
C. D. Wade NI-06
KAS: File/LB

Post-It™ brand fax transmittal memo 7571		* of pages *
To <i>CIND</i>	From <i>Laura</i>	
Co.	Co.	
Dept.	Phone #	
Fax # <i>3-3193</i>	Fax #	

SUBJECT: FACILITIES/AREAS EXEMPT FROM RADIOLOGICAL RELEASE SURVEY

Add the following areas/ facilities to the approved exempt facility/area list:

FACILITY/ AREA

NAMES AND LOCATIONS: The 100-IU-1 Operable Unit and all waste sites contained within. Includes; Riverland Rail Yard Homestead Sites, Munition Cache, anti-aircraft artillery sites, and Military Exercise Sites. The Operable Unit is located south of the Vernita Bridge and west of Highway 240.

BASIS: With the exception of the Riverland Rail Site, the area has no history of work with radioactive materials within it's boundaries. The Rail Site was remediated in the 1960s and follow-up surveys with conventional instrumentation and USRADS show no areas containing elevated radiological levels. Core samples taken at the wash pad area were analyzed and found to contain less than 20 pCi/gram of total radioactive material. The site is located up-stream of the prevailing winds from the direction of Hanford operations and wind-blown contamination is not likely to be present.

REFERENCES: Radiation Survey Report numbers 127760, 127663, 128144, 145977.

CONTACT: If there are any questions concerning this exemption please contact C. D. Wade (6-3770) or K. A. Smith at 6-3323.

APPROVED: *[Signature]*

RECEIVED
JUN 28 1993

Exempt H/T

Supplemental information to
SAF/FSR 93-181 0004

Contractor WESTINGHOUSE HANFORD	OFF-SITE PROPERTY CONTROL	CONTROL NUMBER (To be obtained from PROPERTY MANAGEMENT) 1194-0-0009 #21
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PART I - TO BE COMPLETED BY ORIGINATOR

Department Processing & Analytical Lab	Section	Unit Sampling & Mobile Lab
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The following items are to be shipped from Contractor Vendor

Routing **BURLINGTON AIR EXPRESS** Contractor Vendor

Shipped to
**ROY F. WESTON, INC.
256 Welsh Pool Road
Lionville PA 19341-1313**

Off-site Custodian
Josie King
Full Title

Quantity	Description (Include Serial and any Government Tag Numbers)	Original Cost
1	<p>POLYCOOLER. SAMPLES PACKED IN PLASTIC BAGS AND STORED ON WET ICE</p> <p>SAMPLE #B08NS8</p> <p>WEIGHT COOLER # WHL 056</p>	

Classified Unclassified Shipped Under DOE Contract Shipped Under Contractor's Use Permit Contract

Necessity for the Off-Site Use of this Property

Samples require analysis that are not presently available at this site.

SAF #93-121
COC #5213

BILL OF LADING **987 332 626**

CERTIFICATION OF THE RADIATION MONITORING RELEASE MUST BE SECURED THE SAME DAY THAT MATERIAL IS DELIVERED TO SHIPPING.

RM Clearance for Public Release NA	RM Survey No	Date
Location of Property (Area & Bldg.) 200 WEST / 202-S	Contact C. D. Hayes	Phone 373-2891
Date Ready for Shipment 10/20/93	Cost Code to be Charged PB62F / Org Code: 12911	Approximate Date This Property will be Returned N/A
Originated by Keiningsnes by: J.A. GLEBA	Date 10/20/93	Authorized By RA Mezharich
Signature and Name of Property Control	Custodian Date	Property Management Approval [Signature]
		Date 10/20/93

PART II - TO BE COMPLETED BY SHIPPING

Signature of Recipient [Signature]	Return Order No	Date Issued	Purchase Order No.	Date Issued
Date				

DISTRIBUTION

By Originator White, Green, Yellow, Pink - Property Management Goldenrod - Retain	Shipping Operation - Sign all Copies and Forward to: White - Property Management Green - Property Control (Custodian Issuing Office) Yellow - Retain Pink - Originator 0805
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001001



CORPORATE SUPPORT GROUP
18200 VON KARMAN AVE
IRVINE, CA 92715

3 C.O.D.

S

CONSIGNEE'S CHECK
MADE BY
APP. CASH: _____
RECEIVED BY: _____
DATE: _____

DECLARED VAL.
S

LIMIT OF LIABILITY
LIABILITY IS AGREED AND LIMITED TO BE \$5000 OR \$50 PER PACKAGE WHICHEVER IS GREATER UNLESS HIGHER VALUE IS DECLARED IN CABLE CHARGES PAGE. SEE FIRST SIDE OF AIRBILL PARAGRAPH DECLARED VALUE LIMITATIONS.

1-800-CALL-BAX
FOR INFORMATION OF BAX OFFICE NEAREST

997 332 626

ORIGIN: 2-20-93
DEST. SORT CODE: _____

SHIPPER'S REFERENCE NO: 12911 28525 W94-0009421
SHIPPER'S ACCOUNT NO: _____

COMPANY: C/O WESTINGHOUSE
DEPT./FLOOR: _____

TO (YOUR NAME): HANFORD CO
PHONE NO: WESTINGHOUSE SHIPPING DEPT (509) 376-5665

STREET ADDRESS: _____

STATE: _____ ZIP (REQUIRED): _____

AIRBILL NUMBER: 997 332 626

CONSIGNEE'S REFERENCE NO: _____
CONSIGNEE'S ACCOUNT NO: _____

COMPANY: DE WESTON INC
DEPT./FLOOR: _____

TO (CONSIGNEE NAME): DE WESTON INC
PHONE NO: _____

ACCURATE STREET ADDRESS (BURLINGTON CANNOT DELIVER TO A P.O. BOX):
255 W. 54 200' ROAD

CITY: TONVILLE STATE: DE ZIP (REQUIRED): 10311

BILLING INFORMATION

PREPAID (SHIPPER) \$ _____ CASH RECEIVED (PAID IN ADVANCE)

COLLECT (CONSIGNEE)

3RD PARTY (ACCT. NO. OR BILLING ADDRESS REQ'D.)

ACCOUNT NO: _____

COMPANY/NAME: _____

STREET ADDRESS: _____

STATE: _____ ZIP: _____

5 SERVICE REQUESTED

OVERNIGHT (NEXT BUSINESS DAY)

SECOND DAY

NEXT FLIGHT OUT

CHECK BELOW IF PACKAGE IS:

LETTER

G.O.H. (GARMENT ON HANGER)

6 HANDLING INFORMATION (*SPECIAL RATE MAY APPLY)

HOLD AT BAX DANGEROUS GOODS SATURDAY DELIVERY SPECIAL DELIVERY CONVENTION GOVERNMENT SHIPMENT

SPECIAL INSTRUCTIONS / ADDITIONAL REFERENCE INFORMATION: _____

NO. OF PCS.	WEIGHT	LENGTH	WIDTH	HEIGHT	DESCRIPTION
1	34				COOLER ID: WHC 056 SAMPLES
TOTAL PCS. TOTAL WT.		SKID(S) SAID TO CONTAIN _____ NO. OF PK _____			
1 34		RATED QUOTE NUMBER _____			

SIGNATURE OF SHIPPER: _____

RELEASE SIGNATURE: _____

RECEIVED BY BAX AT: SHIPPER'S DOOR BAX TERMINAL

TIME/DATE OF PICK-UP: _____ DRIVER NO.: _____

SIGNED FOR BAX: _____

OUTSIDE CARRIER CHARGES ADVANCED: \$ _____

PRO NUMBER: _____

CARRIER NAME: _____

997 332 626

AIRBILL NUMBER

0 (47-92)

TERMS AND CONDITIONS OF CONTRACT ON RELEASE SLIP

CONSIGNEE COP

0006

	Cust ID:	B08NS8	B08NS8	B08NS8	BLK	BLK BS	
Sample	RFW#:	001	001 MS	001 MSD	93LE1891-MB1	93LE1891-MB1	8
Information	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	0
	D.F.:	1.00	1.00	1.00	1.00	1.00	0
	Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0
<hr/>							
	p-Terphenyl	146 %	140 %	145 %	132 %	139 %	
	=====fl=====	=====fl=====	=====fl=====	=====fl=====	=====fl=====	=====fl=====	
Diesel		4.23 U	74 %	86 %	4.00 U	79 %	

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
 %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

9715506.2818

