



Pennsylvania Department of Environmental Protection

400 Waterfront Drive
Pittsburgh, PA 15222-4745

November 18, 2004

L-9

Southwest Regional Office

37-30206-01

03033783

412-442-4000
Fax 412-442-4194

Dick Ladun
Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Re: Shannopin Mine Complex
Dunkard Township
Monongahela Township
Greene County

Dear Mr. Ladun:

In response to your request, enclosed is documentation regarding the disposal of the radioactive density gauges that were located at the Shannopin Mine Prep Plant site. The Department recently completed an interim response at this site under the Hazardous Sites Cleanup Act.

If you have any questions regarding the enclosed material, please feel free to contact me.

Sincerely,

Kevin Halloran
Environmental Protection Specialist
Environmental Cleanup

Enclosure

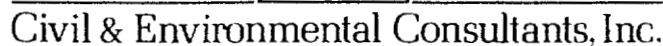
04 NOV 24 PM 2:44

RECEIVED
REGION 1

135982

NMSS/RGNI MATERIALS-002





MADE BY Egg Jamb DATE _____ CHECKED BY _____ DATE 7/30/04

Smear taken to be dropped @ lab for α/β counting 7/30/04



Civil & Environmental Consultants, Inc.

PROJECT Shanaper Mine Complex (Coal Processing) PROJECT NO. _____

Densimeter Surveys

PAGE 1 OF 2

MADE BY E. J. J. J. DATE _____ CHECKED BY _____ DATE 7/30/04

RONAN Model SA8-C10 S/N M1814

150 mCi Cs-137 sealed source 11/19/87

Survey Meter Ludlum Model 19 S/N 73492

Calibration date 7/6/04 Cal. due 7/6/05

Site
Bkg. = 6 μ R/hr

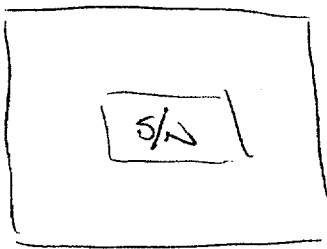
Contact reading > 5000 μ R/hr

6" = 700 μ R/hr

1m = 70 μ R/hr

6" = 600 μ R/hr

1m = 150 μ R/hr



6" = 1000 μ R/hr

1m = 170 μ R/hr

6" = 800 μ R/hr

1m = 140 μ R/hr

Smear taken to be dropped @ lab for ^{alpha/beta} Counting - 7/30/04
(PACE LABS - Watts Hill Madison, Pa)

STRAIGHT BILL OF LADING

ORIGINAL—NOT NEGOTIABLE

Shipper No. _____

Carrier No. _____

Date 8-3-04Page 1 of 1

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 130, Sec. 1.

TO: SentinelConsignee 6765 Langley Drive
Baton Rouge State LA Zip Code 70809FROM: Shipper American Waste ManagementStreet 2530 Rt 88 SouthCity Dilliner State PA Zip Code 15325

24 hr. Emergency Contact Tel. No. _____

Route

Vehicle
Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 Skid	X	Radio Active Material Type A package, Special Form Non FISSILE, 7, UN2332, Cs-137 1 Type A package 1 @ 5.55 GBq 5.55 GBq Total LABEL CAT: Radioactive Yellow II T.I. = .17 DIMENSIONS = 40" x 47" x 6" NMFC 164400-2 Electrical Instruments Class 100 RMA # 2004-195 SEND FREIGHT COLLECT TO: RONAN ENGINEERING 8050 Production Drive. Florence, KY. 41042	5.55 GBq	1000 LB		

PLACARDS TENDERED: YES ☐ NO ☒

Note - (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to not exceed _____ per _____."

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability sent a release or a value declaration by the shipper and the shipper does not release carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing are to be so marked and packaged as to ensure safe transportation. See section 2(e) Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

[Signature] Signature

REMIT C.O.D. TO: ADDRESS 8050 Production Drive, Florence KY 41042

COD

Amt: \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE:
PREPAID ☐
COLLECT ☐

TOTAL CHARGES: \$

FREIGHT CHARGES

FREIGHT PREPAID except when box of light is checked ☐ Check box if charges are to be collected

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages, unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to deliver and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Karen Hallgren PADEPCARRIER CWCS ①BY [Signature] PER RW FJS CWSDATE 08/03/04

Permanent post-office address of shipper

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. _____

Carrier No. _____

Date 8-3-04Page 1 of 1

CCX

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or at alternate provided in Item 430, Sec. 1.

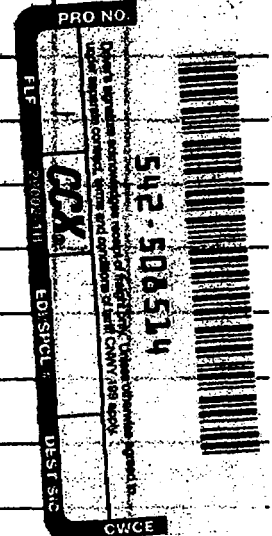
TO:
Consignee Sentinel
Street 6765 Langley Drive
City Baton Rouge State LA Zip Code 70809

FROM:
Shipper American Waste Management
Street 2530 Rt. 88 South
City Dilliner State PA Zip Code 15325
24 hr. Emergency Contact Tel. No. _____

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 Skid	X	Radioactive Material Type A Package, Special Form Non Fissile, 7, UN3332, Cs-137 1 Type A package 1 @ 376Bq 376Bq Total LABEL CAT: Radioactive Yellow II T.I. = .21 Dimensions = 36" x 40" x 6" NMF 164900-2 Electrical Instruments Class 100 RMA # 2004-195 SEND FREIGHT COLLECT TO: RONAN ENGINEERING 8050 Production Dr. Florence, KY 41042	376Bq	100LBS		

PLACARDS TENDERED: YES ☐ NO ☒REMIT C.O.D. TO: ADDRESS 8050 Production Dr. Florence KY 41042

COD

Amt: \$

C.O.D. FEE: PREPAID ☐ COLLECT ☐

TOTAL CHARGES: \$

FREIGHT CHARGES: FREIGHT PREPAID ☐ Check box if charges are to be collected ☐

Note - (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
[Signature] Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to be:

ination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Kevin Halpern PADEP
PER [Signature]

CARRIER WCS
PER RWFISGUS
DATE 08/03/04

Permanent post-office address of shipper

STYLE F265-4 LABEL MASTER® (800) 621-5808 www.labelmaster.com

Halloran, Kevin

From: Halloran, Kevin
Sent: Monday, August 16, 2004 8:17 AM
To: Shearer, Dwight
Cc: Shack, James
Subject: Shannopin Gauges

Dwight,

Here is an update on the radioactive density gauges that were located at the HSCA Shannopin mine Complex Site:

1. Ronan Model SA8-C10 Serial #M1814
150 mCi Cesium 137 sealed source 11/19/87
Site readings: 6" away - 1000 uR/hr; 1 meter away 170 uR/hr
Smear sample taken 7/30/04
2. Texas Nuclear Model 5191 Serial #B1807
1 Ci Cesium 137 sealed source 11/19/87
Site readings: 6" away - 1200 uR/hr; 1 meter away 210 uR/hr
Smear sample taken 7/30/04

Both gauges were initially surveyed and wipe sampled by CEC on 7/30/04. Gauges were then surveyed and prepped for shipping by Ronan Engineers on 8/3/04. Each gauge was secured to a wooden pallet and wrapped in shrink wrap. Gauges were then shipped to Sentinel Corp. in Baton Rouge Louisiana for dismantling. This facility was selected by Ronan.

Let me know if you need anything further.



P8030117.JPG



P8030119.JPG

Thanks
Kevin Halloran

