



Eastern Associated Coal, LLC Federal No. 2 Mine
1044 Miracle Run Road
Fairview, West Virginia 26570
Fax (304) 449-1026
Phone (304) 368-9980

RECEIVED
REGION 1
FEB 03 7 43 AM '11

February 3, 2011

U. S. Nuclear Regulatory Commission
Region I
ATTN: License Assistance Team
475 Allendale Road
King of Prussia, PA 19406-1415

Br 3

Dear Sir:

03020218

Please be advised that Eastern Associated Coal, LLC. is hereby requesting an amendment to NRC License 47-23053-01, Docket No. 03020218 to delete, from our current license, the Coalscan 9000, Unit Serial No. 80080, two Texas Nuclear Model 5201, unit serial numbers B99 and B936, and one Accu-ray Model LS-102, unit serial number 7165360 (CS5541) located at our Federal No. 2 Preparation Plant. Applied Health Physics, Inc., in accordance with the current license provisions, disposed of these units.

The remaining items on the current license will remain unchanged.

The records for these unit devices will be maintained at each operating unit.

All required leak tests are up to date and there is no residual contamination of the facility from the licensed materials.

All commitments devices in the license will be acknowledged and will continue to remain in-force as stated in the license.

Enclosed is additional information relating to the disposal (see attached sheet).

In addition, we would like to add one new Thermo Gamma Metrics unit to our license (see attached data sheet). The Radiation Safety Office for this license will be Aaron Boggess

If there are any questions or you require additional information, please call me at (304) 247-8273 or Aaron Boggess at (304) 368-9985.

Respectfully submitted,

Joseph G. Benedict
Sr. Environmental
Field Specialist

cc: M. Akers
A. Boggess
E. Moore
enclosures

574379

NMSS/RGN1 MATERIALS-002

DEVICES TO BE REMOVED FROM LICENSE
(DISPOSAL INFORMATION)

NRC NUCLEAR DEVICES Federal No. 2 Mine

OPERATION	UNIT MANUF.	TYPE UNIT	UNIT SER. NO.	UNIT MODEL NO.	UNIT LOCATION	TYPE LICENSE	LICENSE NUMBER	LICENSE EXPIRATION	SOURCE MCI AMT.	SOURCE TYPE	SOURCE CAP. NO.	MANUF OF SOURCE	REQUIRED LEAK TESTS	REMARKS
EASTERN ASSOCIATED COAL, LLC, 1044 Miracle Run Road, FAIRVIEW, WV 26570														
FEDERAL	COAL SCAN	SULFUR	80080	9000	PLANT	SPECIFIC	47-23053-01	5/31/2007	5	CS-137	1641GH	AMERSHAM	6 MO.	DISPOSAL BY APPLIED HEALTH PHYSICS (9-10)
									300	AM-241	1295LX	AMERSHAM	6 MO.	DISPOSAL BY APPLIED HEALTH PHYSICS (9-10)
									3- 50 ug	CF-252	See Remark:	AMERSHAM	6 MO.	DISPOSAL BY APPLIED HEALTH PHYSICS (9-10)
FEDERAL	ACCU-RAY	DEPTH	7165360	LS-102	PLANT	SPECIFIC	47-23053-01	5/31/2007	250	CS-137	S-6	AMERSHAM	6 MO.	DISPOSAL BY APPLIED HEALTH PHYSICS (6-08)
FEDERAL	TEXAS NUCLEAR	DENSITY	B99	5201	PLANT	GENERAL	N/A	N/A	100	CS-137	CV-0566	TEXAS NUCLEAR	3 YRS	DISPOSAL BY APPLIED HEALTH PHYSICS (6-08)
FEDERAL	TEXAS NUCLEAR	DENSITY	B-936	5202	PLANT	GENERAL	N/A	N/A	500	CS-137	GG-3556	TEXAS NUCLEAR	3 YRS	DISPOSAL BY APPLIED HEALTH PHYSICS (6-08)

M=AMERICIUM BA=BARIUM BE=BERYLLIUM CF=CALIFORNIUM CS=CESIUM MCI=MILLICURIES uG=MICROGRAMS

Destination Applied Health Physics, Inc.
 Address 2986 Industrial Blvd.
 City Bethel Park State PA Zip Code 15102
 Contact Anthony Hull Phone (412) 835-9555



Record # EACC-0910-1 Page 1 of 1

Date September 1, 2010

2986 Industrial Blvd. Bethel Park, PA 15102 (412) 835-9555

Generator Eastern Associated Coal Corporation
Federal Number 2 Mine
 Address 1044 Miracle Run
 City Fairview State WV Zip Code 26570
 Contact Aaron Boggess Phone (304) 368-9985
 Shipment # EACC-0910-1

Total For Each Class		Reportable Qty If Applicable	Proper Shipping Name & Hazard Class (Per 49 CFR 172.101)	ID Number
# OF Packages	Weight (Lbs)			
			Radioactive material, excepted package-limited quantity of material	7 UN2910
			Radioactive material, excepted package-instruments or articles	7 UN2911
<u>01</u>	<u>100</u>	<u>N/A</u>	Radioactive material, Type A Package non- special form, non fissile or fissile-excepted	7 UN2915
<u>01</u>	<u>60</u>	<u>Am-241</u>	Radioactive material, Type A package, special form non fissile or fissile-excepted	7 UN3332

Carrier Applied Health Physics, Inc.
 Address 2986 Industrial Blvd.
 City Bethel Park State PA Zip Code 15102
 Contact Anthony Hull Phone (412) 835-9555

24 Hour Emergency Contact: (412) 835-9555 or 1-800-332-6648

Radioactive Material Transfer Record and Receipt

Container Number	Container Type	Container Volume (Cubic Ft)	Container Weight (lbs)	Physical Form	Description of Package	Radionuclide	Activity		Special Material (kilograms)	Surface Contamination DPM/CM ²		Radiation Disposal Container Surface	Levels Transport Index (1 Meter)	DOT Label 49 CFR 172.403
							Bq	Nuclear Material (grams)		Alpha	Beta			
							MBq (3Bq)							
<u>EAC-1</u>	<u>7A</u>	<u>7.85</u>	<u>100</u>	<u>Solid</u>	<u>(1) DOT Type 7A Steel 55g. Drum containing Coalscon 9000 SN: 80080 Neutron Source</u>	<u>Cs-137</u>	<u>0.991</u>	<u>N/A</u>	<u>N/A</u>	<u>0</u>	<u>0</u>	<u>0 mrad</u>	<u>0.5 mrad</u>	Radioactive- Radioactive- Radioactive- Radioactive- Radioactive-
<u>EAC-2</u>	<u>7A</u>	<u>4.00</u>	<u>60</u>	<u>Solid</u>	<u>(1) DOT Type 7A Steel 30g. Drum containing Pakcon 9000 SN: 80080 Gamma Sources</u>	<u>Am-241</u>	<u>0.185</u>	<u>N/A</u>	<u>N/A</u>	<u>0</u>	<u>0</u>	<u>4 mrad</u>	<u>0.1 mrad</u>	Radioactive- Radioactive- Radioactive- Radioactive- Radioactive- Radioactive-
		<u>11.85</u>	<u>160</u>				<u>12.3</u>	<u>N/A</u>	<u>N/A</u>					

This is to certify that the herein-named materials are properly classified, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Anthony Hull
 AHP Representative Signature
 Title Technical Specialist
 Date 9/1/10

[Signature]
 Generator Representative Signature
 Title PLANT MGR.
 Date 09/01/10

JL-S.O.

Survey Instrument Information

Manufacturer: Beckman / Coulter
 Model: S-2000 / R2-4
 Serial Number: B5590 / 143293
 Calibration Due Date: 1/27/11 / 12/16/10
 Background: 0.02 mrad / 0.1 mrad

Destination Applied Health Physics, Inc.
 Address 2986 Industrial Blvd.
 City Bethel Park State PA Zip Code 15102
 Contact Anthony Hull Phone (412) 835-9555



Record # EACC-0708-1 Page 1 of 1

Date July 10, 2008

2986 Industrial Blvd. Bethel Park, PA 15102 (412) 835-9555

Generator	Total For Each Class		Reportable Qty If Applicable	Proper Shipping Name & Hazard Class (Per 49 CFR 172.101)	ID Number
	# OF Packages	Weight (Lbs)			
Eastern Associated Coal Corporation Federal Number 2 Mine Address 1044 Miracle Run City <u>Fairview</u> State <u>WV</u> Zip Code <u>26570</u> Contact <u>Aaron Boggess</u> Phone <u>(304) 368-9985</u> Shipment # <u>EACC-0708-1</u>				Radioactive material, excepted package-limited quantity of material	7 UN2910
				Radioactive material, excepted package-instruments or articles	7 UN2911
	<u>01</u>	<u>250</u>	<u>N/A</u>	Radioactive material, Type A Package non- special form, non fissile or fissile-excepted	7 UN2915
				Radioactive material, Type A package, special form non fissile or fissile-excepted	7 UN3332

Carrier Applied Health Physics, Inc.
 Address 2986 Industrial Blvd.
 City Bethel Park State PA Zip Code 15102
 Contact Anthony Hull Phone (412) 835-9555

24 Hour Emergency Contact: (412) 835-9555 or 1-800-332-6648

Radioactive Material Transfer Record and Receipt

Container Number	Container Type	Container Volume (Cubic Ft)	Container Weight (lbs)	Physical Form	Description of Package	Radionuclide	Activity	Special	Source	Surface	Radiation	Levels	DOT Label 49 CFR 172.403
							Bq	Nuclear	Material	Contamination	Disposal	Transport	
							MBq	Material	(kilograms)	DPM/CM ²	Container	Index	
EACC-0708-1	7A	7.35	<u>250</u>	Solid	(1) D.O.T. Type 7A 55 Gallon Steel Drum containing the following for license transfer:								Radioactive- <u>Y II</u>
					Texas Nuclear Model: 5201 S/N: B99	Cs-137	3.7	N/A	N/A	0	0		Radioactive-
					100 mCi								Radioactive-
					Texas Nuclear Model: 5202 S/N: B936	Cs-137	18.5	N/A	N/A	0	0		Radioactive-
					500 mCi								Radioactive-
					Accuray Model: LS-102 S/N: <u>CS554</u>	Cs-137	9.25	N/A	N/A	0	0		Radioactive-
					250 mCi								Radioactive-
													Radioactive-
													Radioactive-
													Radioactive-
		<u>7.35</u>	<u>250</u>				<u>31.4</u>	<u>N/A</u>	<u>N/A</u>				

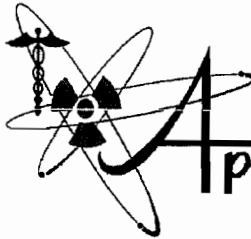
This is to certify that the herein-named materials are properly classified, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Anthony Hull AHP Representative Signature Technical Specialist Title 7/10/08 Date
RV Generator Representative Signature R.S.O. / PLANT MGR. Title 07/10/08 Date

Survey Instrument Information

Manufacturer: Bicron
 Model: Surveyor 2000
 Serial Number: B559Q
 Calibration Due Date: 9/3/2008

Background: 0.03 mR



Applied HEALTH PHYSICS, Inc.

COMPLETE RADIOLOGICAL SERVICES

RECEIVED

MAR 18 2009

J.W. CRAWFORD

✓ CC: Joe Benedict

Eastern Associated Coal, LLC
Federal # 2 Mine
1044 Miracle Run Road
Fairview, WV 26570

March 5, 2009

Attention: Aaron Boggess

Re: Disposal Acceptance 2008-025

Dear Mr. Boggess,

Included please find the enclosed "Acknowledgement of Receipt of Radioactive Material" indicating Thermo Fisher Scientific has taken possession and accepted ownership of the material as represented by your company. This document is verification of acceptance of the radioactive material as prepared and packaged by Applied Health Physics, Inc. as a part of a consolidated shipment. Material pertaining to Eastern Associated Coal, LLC is indicated with a bullet. This document should be retained on file for review by regulatory agencies.

If you have any questions, or need radiological assistance in the future, please contact our office at (412)-835-9555.

Best regards,

Anthony L. Hull
Technical Specialist
Applied Health Physics, Inc.

Cc: AHP file

ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL

February 12, 2009

Anthony Hull
Applied Health Physics, Inc.
2986 Industrial Blvd
Bethel Park, PA 15102

RMA Number 30982

Attention Anthony Hull:

This is to certify that Thermo Fisher Scientific has received and accepted ownership of the radioactive material described below pursuant to applicable regulations and as authorized by our Texas Radioactive Material License L03524.

Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
ACCURAY	L-10	NONE	Cs-137	CZ5746	500 mCi	6/1/1961
ACCURAY	LS-102	NONE	Cs-137	CS5541	250 mCi	1/1/1961
ALNOR	7000HF	6482	Ra-226	6482	7 uCi	12/31/2008
ALNOR	7000UF	28047	Am-241	NONE	35 uCi	12/31/2008
INDUSTRIAL NUCLEONICS	SH-301	4696223	Cs-137	CS-9089	50 mCi	10/1/1963
INDUSTRIAL NUCLEONICS	SH302	NONE	Cs-137	CS-12401	500 mCi	5/23/1977
METOREX	DOPS	160630	Cd-109	A3703	10 mCi	2/1/2002
METOREX	DOPS	160636	Fe-55	A3251	40 mCi	1/1/2002
METOREX	SAPS	278461	Cd-109	B7-387	10 mCi	5/4/2008
METOREX	SAPS	501091	Cd-109	B2-350	10 mCi	5/3/2008
METOREX	SAPS	85859	Cd-109	B7-547	10 mCi	6/4/2008
NDS	420	1499	Am-241	2415LY	1000 mCi	2/5/1986
NDS	700	1104	Am-241	LA0158	30.1 mCi	12/13/1977
NITON	XRF	U1766	Cd-109	D4607	10 mCi	3/1/2000

Acknowledgment for RMA Number 30982

RUETER STOKES	RS5811	A2212	Am-241	A2212	1000 mCi	2/1/1989
RUETER STOKES	RS5811	A2213	Am-241	A2213	1000 mCi	2/1/1989
RUETER STOKES	RS5811	AM1377	Am-241	AM1377	1000 mCi	12/31/2008
TN TECHNOLOGIES	9267	B120	Am-241	N/A	0.5 uCi	12/31/2008
UPA TECHNOLOGIES	HH2B1	15058	Pm-147	UNK-A	900 uCi	11/1/1993
UPA TECHNOLOGIES	HH2B1	15058	Pm-147	UNK-B	900 uCi	11/1/1993
UPA TECHNOLOGIES	HH3	85621	Pm-147	UNK-C	75 uCi	11/1/1993
Summary (21 sources)					7338 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	5201	B99	Cs-137	GV-0566	100 mCi	11/2/1983
TN TECHNOLOGIES	5202	B936	Cs-137	GG-3556	500 mCi	7/15/1988
Summary (2 sources)					600 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	9267	B146	Fe-55	LE-7976	45 mCi	12/8/1999
Summary (1 source)					45 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	9267	B120	Fe-55	LE-7563	45 mCi	12/8/1998
Summary (1 source)					45 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	9267	B146	Am-241	HS881	0.0005 mCi	1/1/1980
Summary (1 source)					0 mCi	

Acknowledgment for RMA Number 30982

Page 3 of 3

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material. If you are not the Radiation Safety Officer or responsible for maintaining regulatory records for radioactive material, please forward this letter to the appropriate person.

If you have any questions or require additional assistance, please contact us at (800) 437-7979 or (713) 272-0404.

Sincerely,
Thermo Fisher Scientific



Angelica Guidry
Nuclear Services Specialist

DEVICE TO BE ADDED TO LICENSE
(GENERAL INFORMATION)

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE
(Amended in its entirety)

NO: CA0305D106S

DATE: OCTOBER 22, 2007

DEVICE TYPE: Cross-Belt Elemental Analyzer

MODELS: CB-HI

MANUFACTURER/DISTRIBUTOR: Thermo Gamma Metrics
10010 Mesa Rim Road
San Diego, CA 92121
(858) 450-9811 (voice)
(858) 546-1734 (FAX)

SEALED SOURCE/
MODEL DESIGNATION:

Frontier Technology Corporation
Model 100 Series

QSA Global, Inc. (Formerly AEA Technology and
Amersham Corporation)
Model: CDC.700 Series and
CVN.CYn Series (Models CVN.CY6, CVN.CY7,
CVN.CY8, CVN.CY14, CVN.CY15, CVN.CY16,
CVN.CY17).
See SSD # MA-1059-S-271-S

Isotope Products Laboratories:
Model 225

**FSUE State Scientific Center of Russia, Research
Institute of Atomic Reactors, Division of
Radionuclide Sources and Preparations, Model
HK252M41 Series, ANSI/ISO Classification
97C65445, Registration MA-0555-S-102S .**

ISOTOPE:
Cf-252

MAXIMUM ACTIVITY
25 micrograms or 14 millicuries +15% / -0%
(in up to three sources)

Cs-137

10 millicuries \pm 5% (in one source)

LEAK TEST FREQUENCY:

6 Months

PRINCIPAL USE:
CUSTOM DEVICE:

(H) General Neutron Source Applications
YES _____ NO X _____