Loadout, LLC

ENERGY TRANSFER

October 21, 2020

Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region 1
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

RE: Renewal of License Number 47-25528-01

Dear Sir or Madam:

Loadout, LLC is requesting a renewal for the above referenced License. Please find enclosed a completed renewal application. If additional information is required or should there be any questions, you may contact me at (681) 322-3163.

Regards

Gary S. Begley
Manager

Enc.

One Carbon Center, Suite 100 Chesapeake, WV 25315 Phone 304-949-5630 Fax 304-949-6088

APPENDIX A

NRC FORM 313 (01-2020) 10 CFR 30, 32, 33, 34, 35, 36, 37, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120 **EXPIRES: 01/31/2023**

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,

SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR *(Check appropriate item)*

- ☐ A. NEW LICENSE
- ☐ B. AMENDMENT TO LICENSE NUMBER
- ☑ C. RENEWAL OF LICENSE NUMBER 47-25528-01

2. NAME AND MAILING ADDRESS OF APPLICANT *(Include zip code)*

Loadout, LLC
One Carbon Center, Suite 100
Chesapeake, WV 25315

3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

Lexington Coal Company, LLC Loadout
Fork Creek Road
Alum Creek, West Virginia (south on U.S. route 119 from Charleston, WV)

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Gary S. Begley

BUSINESS TELEPHONE NUMBER	BUSINESS CELLULAR TELEPHONE NUMBER
681-322-3163	304-545-2720

BUSINESS E-MAIL ADDRESS
gary.begley@energytransfer.com

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
	7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.
8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.	9. FACILITIES AND EQUIPMENT.
10. RADIATION SAFETY PROGRAM.	11. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions*) *(See 10 CFR 170 and Section 170.31)*
*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE CATEGORY: ____ AMOUNT ENCLOSED $: ____

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html.

13. CERTIFICATION. *(Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.*

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.
WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER – TYPED/PRINTED NAME AND TITLE	SIGNATURE	DATE
Gary S. Begley - Manager	Gary S Begley	10-21-2020

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			$		
APPROVED BY				DATE	

Appendix B

Suggested Format for Providing Information Requested in Items 5 Through 11 of NRC Form 313

Appendix B
USNRC License Renewal

Item 5 **Sealed Sources/ Devices**

A. Element and Mass Number	Device Manufacturer/ Model	B. Chemical and/ or Physical Form	C. Source Manuf/Model	D. Requested Possession Limit
Cs-137	Thermo Gamma Metrics Device Model – 2000	Sealed Source	Isotope Products Laboratories, Model 225	25 millicuries total
Cf-252	Thermo Gamma Metrics Device Model – 2000	Sealed Source	Frontier Technology Corp., Model 100; FSUE Model HK252M41; QSA Model CVN.Cyn Series	107 millicuries total
Cs-137	Thermo Measure Tech – Model 5201	Sealed Source	Thermo Measure Tech – Model 57157C or 696894	100 millicuries total
Cs-137	Thermo Measure Tech – Model 5202	Sealed Source	Thermo Measure Tech – Model 57157C or 696894	750 millicuries total

Item 6

Loadout, L.L.C. submits that the sources and devices described in this application shall be used strictly for elemental analysis of bulk material and level/density measurement.

Item 7

Loadout, L.L.C. requests that Daniel Quisenberry be named as Radiation Safety Officer. Mr. Quisenberry shall have the support of Loadout, L.L.C. management to oversee the program and given the resources necessary to ensure regulatory compliance. A copy of Mr. Quisenberry's training is attached.

Item 8

The Radiation Safety Officer and Authorized Users shall have completed training as described in NUREG 1556, Volume #4.

Item 9

See Attached diagrams and inventory

Item 10

A copy of the Loadout, L.L.C.'s Radiation Safety Program is included as an attachment.

Item 11 **Waste Management**

Loadout, L.L.C. shall ensure that licensed materials are disposed by or transferred to a properly licensed facility.

Suggested Format for Providing Information Requested in Items 5 Through 11 of NRC Form 313

Table B.1 Items 5 & 6: Materials To Be Possessed and Proposed Uses

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	X	Cobalt-60	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [ ] Specific description of the gauge use: _____	[ ] Not applicable _____ [ ] Uses are: _____ (Submit safety analysis supporting safe use)
	X	Krypton-85	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [ ] Specific description of the gauge use: _____	[ ] Not applicable _____ [ ] Uses are: _____ (Submit safety analysis supporting safe use)
	X	Strontium-90	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [ ] Specific description of the gauge use: _____	[ ] Not applicable _____ [ ] Uses are: _____ (Submit safety analysis supporting safe use)
X		Cesium-137	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [ ] Specific description of the gauge use: See Attached	[ ] Not applicable _____ [ ] Uses are: _____ (Submit safety analysis supporting safe use)

APPENDIX B

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	X	Americium-241	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [ ] Specific description of the gauge use: _____ _____ _____ _____ _____ _____ _____	[ ] Not applicable _____ [ ] Uses are: _____ (Submit safety analysis supporting safe use)
X		Other Isotope (Specify): Cf-252	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [ ] Specific description of the gauge use: See Attached _____ _____ _____ _____ _____ _____	[ ] Not applicable _____ [ ] Uses are: _____ (Submit safety analysis supporting safe use)
	X	*Financial Assurance Required and Evidence of Financial Assurance Provided*				

Table B.2 Items 7 Through 11: Training and Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
7. Individual(s) Responsible For Radiation Safety Program And Their Training And Experience 7.1 Radiation Safety Officer Name: _____	Before obtaining licensed materials, the proposed RSO will have successfully completed the training described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer" in NUREG-1556, Vol. 4, dated October 1998. AND Before being named as the RSO, future RSOs will have successfully completed the training described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer" in NUREG-1556, Vol. 4, dated October 1998. Within 30 days of naming a new RSO, we will submit the new RSO's name to NRC to include in our license.	[X]	[ ]
7. Individual(s) Responsible For Radiation Safety Program And Their Training And Experience 7.2 Authorized Users	PROPOSED AUTHORIZED USERS: Before using licensed materials, authorized users will have successfully completed the training described in Criteria in the section entitled, "Authorized Users" in NUREG-1556, Vol. 4, dated October 1998.	[X]	[ ]
8. Training for Individuals Who in the Course of Employment are Likely to Receive Occupational Doses of Radiation in Excess of 1 mSv (100 mrem) in a Year (Occupationally Exposed Workers) and Ancillary Personnel	The applicant is *not* required to, and should not, submit is training program, for individuals who in the course of employment are likely to receive occupational doses of radiation in excess of 1 mSv (100 mrem) in a year (occupationally exposed workers) and ancillary personnel, to the NRC for review during the licensing phase.	Need Not Be Submitted with Application	

APPENDIX B

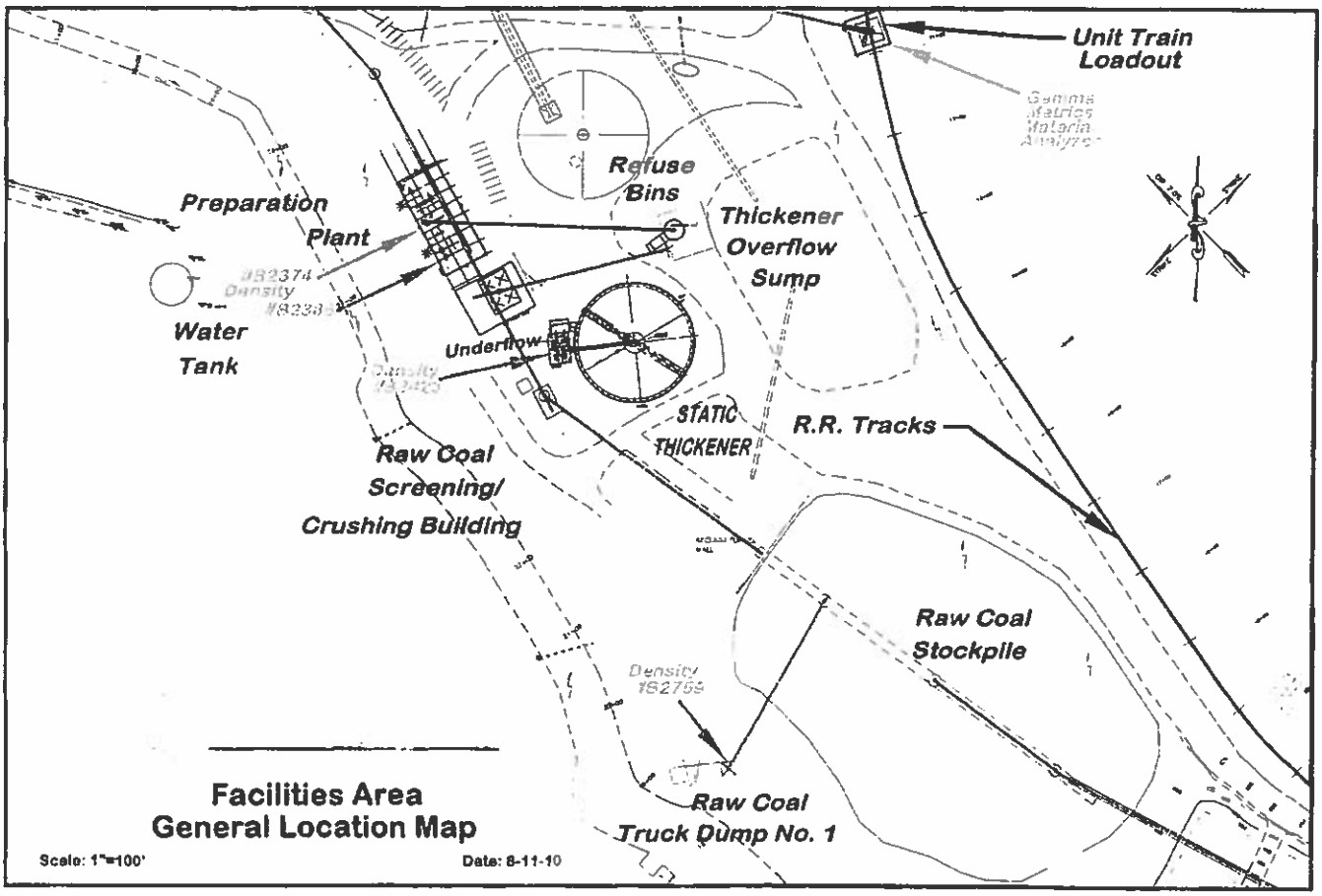
Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
9. Facilities and Equipment	We will ensure that the location of each fixed gauge meets the Criteria in the section entitled "Facilities and Equipment" in NUREG-1556, Vol. 4, dated October 1998.	[X]	[ ]
10. Radiation Safety Program - Audit Program	The applicant is *not* required to, and should not, submit its audit program to the NRC for review during the licensing phase.	Need Not Be Submitted with Application	
10. Radiation Safety Program - Survey Instruments	Surveys pursuant to 10 CFR 20.1501 will be performed by a person specifically authorized by the NRC or an Agreement State to perform these surveys. **OR** We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998, and *one* of the following: Each survey meter will be calibrated by the manufacturer or other person authorized by the NRC or an Agreement State to perform survey meter calibrations. **OR** We will implement the model survey instrument calibration program in Appendix I to NUREG-1556, Vol. 4, dated October 1998.	[X]	[ ]
10. Radiation Safety Program - Material Receipt and Accountability	Physical inventories will be conducted at intervals not to exceed 6 months or at other intervals approved by the NRC, to account for all sealed sources and devices received and possessed under the license.	[X]	[ ]
10. Radiation Safety Program - Occupational Dosimetry	We will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the Criteria in the section entitled "Radiation Safety Program - Occupational Dosimetry," in NUREG-1556, Vol. 4, dated October 1998.	[X]	[ ]

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
10. Radiation Safety Program - Public Dose	The applicant is not required to submit a response to the public dose section during the licensing phase. However, during NRC inspections, licensees must be able to provide documentation demonstrating, by measurement or calculation, that the total effective dose equivalent to the individual likely to receive the highest dose from the licensed operation does not exceed the annual limit for individual members of the public.	Need Not Be Submitted with Application	
10. Radiation Safety Program - Operating & Emergency Procedures	If the gauge meets one or more of the safety conditions specified in "Discussion," in the section entitled "Radiation Safety Program-Operating Emergency Procedures," in NUREG 1556, Vol. 4, dated August 1998 state the following: Operating and emergency procedures will be developed, implemented, maintained, and distributed, and will meet the Criteria in the section entitled "Radiation Safety Program - Operating and Emergency Procedures," in NUREG-1556, Vol. 4, dated August 1998.	[X]	[ ]
	For each gauge requested that does not meet one or more of the safety conditions specified in "Discussion," in the section entitled "Radiation Safety Program-Operating Emergency Procedures," in NUREG 1556, Vol. 4, dated August 1998 provide your operating, emergency and lock-out (if applicable) procedures to NRC for review.	[ ] Procedures Attached	
10. Radiation Safety Program - Leak Test	Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Certificate. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions. **OR**	[X]	[ ]
	We will implement the model leak test program published in Appendix M to NUREG-1556, Vol. 4, dated October 1998.	[ ]	

APPENDIX B

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
10. Radiation Safety Program - Maintenance	ROUTINE MAINTENANCE We will implement and maintain procedures for routine maintenance of our fixed gauges according to each manufacturer's or distributor's written recommendations and instructions.		[ ]
	NON-ROUTINE MAINTENANCE OPERATIONS The gauge manufacturer, distributor or other person authorized by NRC or an Agreement State will perform non-routine operations such as installation, initial radiation survey, repair, and maintenance of components related to the radiological safety of the gauge, gauge relocation, replacement, and disposal of sealed sources, alignment, or removal of a gauge from service.	[X]	[ ] The information listed in Appendix N supporting a request to perform non-routing operations in-house is attached
10. Radiation Safety Program - Transportation	The applicant is *not* required to submit its response to transportation during the licensing process; this issue will be reviewed during inspection. However, the licensee should develop, implement, and maintain transportation procedures according to NRC and DOT regulations.	Need Not Be Submitted with Application	
10. Radiation Safety Program - Fixed Gauges Used at Temporary Job Sites	This is not applicable to our program. We will not use fixed gauges at temporary job sites.	[X] Not Applicable	
	OR		
	We will develop, implement, maintain and distribute procedures that meet the Criteria in the section entitled "Radiation Safety Program - Fixed Gauges Used at Temporary Job Sites" in NUREG-1556, Vol. 4, dated October 1998.	[ ]	[ ]
10. Radiation Safety Program - Minimization of Contamination	The applicant is not required to submit a response to minimization of contamination if the applicant's responses meet the criteria for the following sections: Radioactive Material - Sealed Sources and Devices, Facilities and Equipment, Radiation Safety Program - Operating and Emergency Procedures, Radiation Safety Program - Leak Testing, and Waste Management - Gauge Transfer and Disposal.	Need Not Be Submitted with Application	

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
11. Waste Management - Gauge Disposal & Transfer	The applicant is not required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.	Need Not Be Submitted with Application	


Unit Train
Loadout
Refuse
Bins
Preparation
Plant
Thickener
Overflow
Sump
Water
Tank
Underflow
STATIC
THICKENER
R.R. Tracks
Raw Coal
Screening/
Crushing Building
Raw Coal
Stockpile
Raw Coal
Truck Dump No. 1
Facilities Area
General Location Map
Scale: 1"=100'
Date: 8-11-10

Device No.	Device	Manufacture	Model No.	Device Ser. No.	Isotope	Source Ser. No.	Activity	Receipt Dt / Transfer Dt	Location	Manufacture # / CRE License #	Agency (SU/NRC)	NRC Device Key	Last Leak Test	Leak Test Preformed By	Next Test Due	Comments
1	Density Gauge	TN Technologies	# 5202	B2386	Cs-137		200 mCi	6/15/1999 10/12/2005	Heavy Media Vessel	L01105 GL 704685-13	—	541649	6/8/10	KSS	12/8/2010	**Add to Specific License
2	Density Gauge	TN Technologies	# 5202	B2374	Cs-137		200 mCi	6/15/1999 10/12/2005	Cyclone Heavy Media	L01105 GL 704685-7	—	991646	Same	Same	Same	**Add to Specific License
3	Density Gauge	Thermo MeasureTech	# 5201	B3423	Cs-137		100 mCi	12/30/2000 10/12/2005	Thickener Underflow	L03524 GL 704685-7	—	625254	Same	Same	Same	**Add to Specific License
4	Point Level Switch	Thermo MeasureTech	PNF # 5202	B2759	Cs-137	GG 3486	350 mCi	7/9/2004 10/12/2005	Raw Truck Dump	L03524 GL 704685-7	—	715816	Same	Same	Same	**Add to Specific License
5	Coal Analyzer	Gamma Metrics	1612-GN	600134	Cf-252 Cf-252 Cf-253 Cf-254 Cs-137	CF-Z1400 CF-Z1401 CF-3404 CF-3405 U-126	7.19 ug 7.26 ug 20.05 20.56 7.71 mCi	 6/22/2009 6/22/2009	Rail Car LoadOut	47-25528-01	NRC		Same	Same	Same	
6	Point Level Switch	Thermo MeasureTech	PNF # 5202	B3239	Cs-137	CG-3102	350 mCi	6/19/2010	Directship Truck Dump	L03524	—		9/13/10	Same	Same	**Add to Specific License

APPENDIX C

TYPICAL DUTIES AND RESPONSIBILITIES OF THE RADIATION SAFETY OFFICER

The radiation safety officer's (RSO's) duties and responsibilities (illustrated in Figure 8-2) typically include ensuring the following:

- Licensed activities that the RSO considers unsafe are stopped.
- Possession, installation, relocation, use, storage, routine maintenance, and nonroutine operations of fixed gauges are consistent with the limitations in the license, the Sealed Source and Device registration certificate(s), and the manufacturer's or distributor's recommendations and instructions.
- Individuals who use fixed gauges are properly trained.
- Radiation exposures are kept as low as is reasonably achievable (ALARA).
- Prospective evaluations are performed to demonstrate that unmonitored individuals are not likely to receive a radiation dose in excess of the limits in 10 CFR 20.1502(a) or that personnel monitoring devices are provided.
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals, and records of the results of such monitoring are maintained.
- Up-to-date operating, emergency, and security procedures are developed, implemented, maintained, and distributed.
- Safety consequences of nonroutine operations are analyzed before conducting any such activities that have not been previously analyzed.
- Nonroutine operations are performed by the manufacturer, distributor, or person specifically authorized by the U.S. Nuclear Regulatory Commission (NRC) or an Agreement State.
- Documentation is maintained to demonstrate, by measurement or calculation, that the dose to the individual member of the public likely to receive the highest dose from the licensed operation does not exceed the annual limit in *Code of Federal Regulations* 10 CFR 20.1301, "Dose limits for individual members of the public."
- Fixed gauges are properly secured.
- Proper authorities are notified in case of accident, damage to, or malfunction of fixed gauges, fire, loss, or theft.
- Unusual occurrences involving the fixed gauge (e.g., malfunctions, accident, damage, theft) are investigated, cause(s) are determined, and appropriate corrective action(s) are identified, and corrective action taken.
- Audits are performed at least annually and documented, and corrective actions are taken.

- When the licensee identifies violation(s) of regulations or license conditions or program weaknesses, corrective action(s) are developed, implemented, and documented.
- Licensed material is transported in accordance with all applicable NRC and U.S. Department of Transportation requirements.
- Licensed material is disposed of properly.
- All required records are maintained.
- An up-to-date license is maintained, and amendment and renewal requests are submitted in a timely manner.
- Documents are posted as required by 10 CFR 19.11, "Posting of notices to workers," (10 CFR Part 19, license documents, operating procedures, NRC Form 3, "Notice to Employees,"), and 10 CFR 21.6, "Posting Requirements," (10 CFR Part 21 Section 206 of the Energy Reorganization Act of 1974, procedures adopted under Part 21), or a note is posted indicating where these documents can be examined.

Applied HEALTH PHYSICS, Inc.

CERTIFICATE OF RADIOLOGICAL TRAINING

This is to certify that

Daniel Quisenberry

has successfully completed the

8-HOUR RADIATION SAFETY OFFICER REFRESHER TRAINING AND INSTRUCTION AS REQUIRED BY NUREG-1556, VOLUME 4, APPENDIX G AND 49CFR 172, SUBPART H

presented by Applied Health Physics, Inc.
May 24th, 2010

Todd Y. Mobley
Director, Technical Services

May 24, 2010
Date

May 24, 2013
DOT Subpart H Expiration Date

Applied HEALTH PHYSICS, Inc.

CERTIFICATE OF RADIOLOGICAL TRAINING

This is to certify that

Daniel Quisenberry

has successfully completed the

8-HOUR RADIATION SAFETY OFFICER REFRESHER TRAINING AND INSTRUCTION AS REQUIRED BY NUREG-1556, VOLUME 4, APPENDIX G AND 49CFR 172, SUBPART H

presented by Applied Health Physics, Inc.
November 10th, 2008

Todd Y. Mobley
Director, Technical Services

November 10, 2008
Date

November 10, 2011
Expiration Date

APPENDIX D

RADIATION SAFETY PROGRAM FOR
COAL RIVER ENERGY, LLC
ALUM CREEK, WV

General

This Radiation Safety Plan covers the procedures for the safe and proper use of radioactive material as contained in a fixed coal analyzer used to measure the elements in coal. When used in accordance with this plan, the radioactive materials present no hazard to the licensee's employees, customers, or the general public.

Radiation Safety Officer

The RSO is a single point of accountability and responsibility between the Regulatory Agency and the Licensee. The RSO is responsible for all aspects for the Radiation Safety Plan, including the following duties.

1. Licensed material possessed by the licensee is limited to the kinds and quantities of byproduct material listed on the license.

2. Individuals entering the Gamma-Metrics Analyzer have been properly trained; have read and understand the Radiation Safety Program.

3. The analyzer is properly secured from unauthorized entry at all times.

4. Proper authorities are notified in case of an accident, damages, fire or theft.

5. Audits are performed at least annually to ensure that the licensee is abiding by NRC terms and conditions of the license (e.g., periodic leak test, records...)

6. Licensed material is disposed of properly.

7. Ensure that the equipment is leak tested at the required intervals.

8. The license is amended whenever there are changes in: license activities, responsible individuals, or information or commitments provided to NRC in the license process.

9. To post all required notices.

Operation

1. Only authorized personal are to be permitted to enter the analyzer.

2. At all times persons will observe ALARA principles to minimize any doze received: As Low As Reasonable Achievable.

Maintenance

1. All maintenance will be performed by an authorized licensed contractor.

2. All leak tests will be performed by authorized licensed contractor. They shall be performed every six months in accordance with the license.

Records

1. All records will consist of leak test, and copies are to be kept in the plant office with a copy of license.

Fire

1. Call the fire department.

2. Take action appropriate with a fire to protect personnel.

3. Notify the RSO.

4. Rope off access to floor that analyzer is on.

5. Stand by to advise fire fighters as to nature of fire, and surroundings, and potential of radioactive materials.

Disposal/Replacement of Source

1. All sources will be disposed of and/or replaced by an authorized licensed contractor.

Emergency Telephone Numbers

1. Daniel Quisenberry – RSO 304-369-5335

5. Applied Health Physics 800-332-6648

6. NRC 301-816-5100