

Docket: 030-32041  
Control: 602072



**WESTERN ENERGY COMPANY - Rosebud Mine**  
A Subsidiary of WESTMORELAND COAL COMPANY

P.O. BOX 99 • 138 ROSEBUD LANE • COLSTRIP, MT 59323  
(406) 748-5100

January 29, 2018

Carol Hill

Nuclear Materials Licensing Branch

U.S. Nuclear Regulatory Commission, Region IV

1600 E. Lamar Boulevard

Arlington, TX 76011-4511

RE: Amendment Application for Material License 25-29348-01

*JBC*

Dear Ms. Hill:

Please find enclosed the completed NRC Form 313 with attachments for the amendment of Material License 25-29348-01. In our previous amendment, I did not add the Berthold Moisture Meter to the amendment. The source will be contained in Thermo Fisher Cross Belt Analyzer Model CBX. The attachments provide the detail on the new source. This Amendment only adds an additional source and does not represent any other change in the radiation safety program to the information contained in the current Material License 25-29348-01. This is a request for one additional source for Cs-137.

*JBC*

If you have any questions, please call me at 406-748-5116 or contact me by email at [nbuchholz@westmoreland.com](mailto:nbuchholz@westmoreland.com) as soon as possible. Thank you again for your assistance with this amendment.

Sincerely,

*Nora Buchholz*

Nora Buchholz

Radiation Safety Officer

**PUBLIC**

- Immediate Release
- Normal Release

**NON-PUBLIC**

- A.3 Sensitive-Security Related
- A.7 Sensitive
- Other: \_\_\_\_\_

Reviewer: \_\_\_\_\_

*JBC*     1/29/18

Attachment A

**Item No. 5 RADIOACTIVE MATERIAL**

5a. Element and mass number

Cesium-137

5b. Chemical and/or physical form

Sealed Sources (Eckert & Ziegler Isotope Products) SDR: TN-1031-D-101-B

Shield Model =LB 7440-F-CR; Source Model = Cs7.PO2

5c. Maximum which will be possessed at any one time

20mCi in one source

**Item No. 6 PURPOSE FOR WHICH THE LICENSED MATERIAL WILL BE USED**

6. For use in Thermo Gamma Metrics, Model CBX fixed gauge device in accordance with the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 (Measuring the moisture content of coal).

**Buchholz, Nora Jane**

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**From:** Small, Renee <renee.small@thermofisher.com>  
**Sent:** Thursday, January 25, 2018 9:50 AM  
**To:** Buchholz, Nora Jane  
**Subject:** RML Questions

Hi Nora,

Your questions were sent on to me regarding your RML, I think Rob may have already spoken to you on it.

Please see below for the system you are purchasing – there will need to be two pieces of equipment on your license:

**ECA: (SSDR = CBX)**

SSDR # CA0305D113S  
Device Type: Cross-Belt Elemental Analyzer  
Model: CBX  
Source Manufacturer/Model:  
QSA Global, Inc. – Model: CVN.CY6  
Frontier Technology Corp. – Model: 100  
Eckert & Ziegler Isotope Products – Model: 3004, 3014, N-252 Series  
Isotope: Cf-252  
Activity total of 40ug (21mCi) in up to six sources.

*Already on license*

**Moisture Meter: (SSDR = LB 7400 Series)**

SSDR # TN-1031-D-101-B  
Shield Model = LB 7440-F-CR  
Source Model = Cs7.P02 (Eckert & Ziegler Isotope Products)  
Isotope = Cs-137  
Activity = 20 mCi

*amendment*

Please let me know if you have any further questions.

**Renee Small**

Senior Customer Service Specialist  
Thermo Scientific  
Cement and Coal Analyzers

**Thermo Gamma-Metrics, LLC**

a part of Thermo Fisher Scientific  
10010 Mesa Rim Road  
San Diego, California 92121

Cell: 858-210-1569  
24-Hr Support Line: 800-488-4399  
Fax: 858-546-1734

Email: [renee.small@thermo.com](mailto:renee.small@thermo.com)  
Website: [www.thermofisher.com](http://www.thermofisher.com)

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