



Navajo Transitional
Energy Company

March 21, 2022

Casey Alldredge
Health Physicist
Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region IV
1600 E. Lamar Boulevard
Arlington, TX 76011-4511

**RE: Request for Additional Information, Navajo Transitional Energy Company, LLC,
Renewal of License No. 49-29429-01**

Dear Casey:

Per your email dated March 21, 2022, Navajo Transitional Energy Company, LLC (NTEC) provides the following additional information to renew License No. 49-29429-01:

1. NTEC would like authorization for all sources which are authorized for the fixed gauges on License No. 49-29429-01 as listed in the summary table you provided in your email.
2. NTEC would like authorization for both the CBX model with sources up to 21 mCi per source for analyzing hydrogenous materials and 42 mCi per source for analyzing low hydrogenous materials, as shown in the most recent amendment for License No. 49-29429-01.

Please contact me at 307-464-2571 or by email at gretchen.anderson@navenergy.com if you have questions or concerns.

Sincerely,

Gretchen Anderson, P.E.
Environmental Manager
Antelope and Cordero Rojo Mines

Enclosures

From: [Anderson, Gretchen](#)
To: [Alldredge, Casey](#)
Cc: [Howard, Wesley](#); [Hutchinson, Jerry](#)
Subject: [External_Sender] RE: Navajo Transitional Energy Company LLC; NRC license Renewal; Request for Info
Date: Monday, March 21, 2022 3:56:04 PM
Attachments: [COVERLETTER_RESPONSE_220321.pdf](#)

Casey,

Attached is a signed and dated letter confirming the authorizations stated below. I have also contacted Thermo Fisher regarding the manufacturer information on model number equivalency, but I have not heard back yet.

Please let me know if you have questions or concerns.

Thank you!
Gretchen

From: Alldredge, Casey <Casey.Alldredge@nrc.gov>
Sent: Monday, March 21, 2022 12:03 PM
To: Anderson, Gretchen <Gretchen.Anderson@NavEnergy.com>
Subject: Navajo Transitional Energy Company LLC; NRC license Renewal; Request for Info

CAUTION: This email originated from outside of the organization. Do not click links, open attachments, or correspond with the sender unless you recognize the sender and know the content is safe.

Good morning Gretchen,
Per our conversation earlier, please confirm whether you would like authorization for all of the sources which are authorized for the fixed gauges on your license. This source information was pulled from each gauge's SSD and is in the table below.

Also, please confirm whether you would like authorization for both the CBX Model with sources up to 21mCi per source, which is used for analyzing hydrogenous materials AND the 42mCi per source which is used for analyzing low hydrogenous materials. As of your most recent amendment, you are authorized for both.

Please respond in a signed and dated letter.

Thanks,
Casey Alldredge
Health Physicist
Materials Licensing Branch
Region IV, USNRC

Gauge	Sources Models Authorized on SSD

<p>Berthold Technologies USA, LLC Model LB 7400 Series</p>	<p>Cs-137 sources:</p> <p>Amersham Corporation/AEA Technology/QSA, Inc.: CDC.P4, CDC.93, Capsule Type VZ-1508/2 Capsule Type X.9, CDC.ZT1, Capsule Type VZ-1486/3 Drawing No. VZ-2364</p> <p>Berthold Technologies USA, LLC: SSC Series</p> <p>Isotope Products Laboratories, formerly BEBIG Trade, Inc.: Cs7.P02, Cs7.P04-A</p>
<p>Thermo Gamma Metrics Model CBX</p>	<p>Cf-252 sources:</p> <p>Frontier Technology Corp.: Model 100 Series</p> <p>QSA Global (Formerly AEA Technology and Amersham Corporation): CVN.CY6</p> <p>FSUE State Scientific Center of Russia, Research Institute of Atomic Reactors, Division of Radionuclide Sources and Preparations: Model HK252M41 Series</p> <p>General Electric Hitachi Nuclear Energy America, LLC, Model: GEN-Cf-100 Series</p> <p>Eckert & Ziegler Isotope Products Laboratories: 3004, 3014, N-252 Series</p>
<p>Thermo Gamma Metrics Model CB-HI</p>	<p>Cs-252 sources:</p> <p>Frontier Technology Corp.: 100 Series</p> <p>QSA Global, Inc. (Formerly AEA Technology & Amersham Corporation) CVN.CYn Series</p> <p>FSUE State Scientific Center of Russia, Research Institute of Atomic Reactors, Division of Radionuclide Sources and Preparations: Model HK252M41 Series</p> <p>General Electric Hitachi Nuclear Energy America, LLC: GEN-Cf-100 Series</p> <p>Eckert & Ziegler Isotope Products Laboratories: Models 3004, 3014, N-252 Series</p> <p>Cs-137:</p>

Eckert & Ziegler Isotope Products Laboratories HEG-137
(formerly known as Model 225)

QSA Global, Inc. (Formerly AEA Technology & Amersham
Corporation) Model: CDC.700 Series