

NRC FORM 7  
(12-19-2023)  
10 CFR 110



U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 05/31/2025

**APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, RENEWAL,  
OR CONSENT REQUEST(S)**  
(See Instructions on Pages 4 and 5)

Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the FOIA, Library, and Information Collections Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by email to [Infocollections.Resource@nrc.gov](mailto:Infocollections.Resource@nrc.gov), and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0027), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503; email: [oir\\_submission@omb.eop.gov](mailto:oir_submission@omb.eop.gov). The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.

<b>PART A. FOR NRC USE ONLY</b>		<input checked="" type="checkbox"/> Public <b>OR</b> <input type="checkbox"/> Non-Public		Date Received 5/1/2025	
License Number XCOM1373		Docket Number 11006636		Adams Accession Number	
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)					
1. Name and Address of Applicant/Licensee Paragon Energy Solutions, LLC 7410 Pebble Drive Fort Worth, TX 76118		1a. Name of Applicant's Contact Daniel Dale		1b. Applicant's Reference Number C1076-25-30	
		1c. Office Telephone Number 817-284-0077		1d. Office Facsimile Telephone Number 817-590-0484	
		1e. Applicant's Email Address ddale@paragones.com			
2. Type of Action Requested		<input checked="" type="checkbox"/> Export (Parts B, C, E) <input type="checkbox"/> Amendment/Renewal Current License Number: <input type="checkbox"/> Import (Parts B, D, E) <input type="checkbox"/> Consent Request (Parts B, C) Current License Number:			
3. Contract Number(s)		4. First Shipment Date 06/01/2025	5. Last Shipment Date 05/31/2030	6. Proposed Expiration Date 07/31/2030	
<b>PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)					
7. Name(s)/Address(es) of U. S. Suppliers and/or other U. S. Parties to the Export Paragon Energy Solutions, LLC 7410 Pebble Drive Fort Worth, TX 76118		8. Name(s)/Address(es) of Intermediate Foreign Consignee(s)		9. Name(s)/Address(es) of Ultimate Foreign Consignee(s) Nawah Energy Company Barakah Nuclear Power Plant, Units 1-4 Abu Dhabi United Arab Emirates	
7a. Function(s) Performed/Service(s) Provided Supplier of Materials stated in Block 10		8a. Intermediate Use(s)		9a. Ultimate End Use(s) Barakah Nuclear Power Plant (units 1-4)	
10. Description of Radioactive Materials, Sealed Sources, Nuclear Facilities, Equipment, or Components; for Nuclear Equipment include Total Dollar Value of Equipment for Export  The supply of spare parts for a neutron flux monitor system to include: 1) new equipment; and 2) repair and replacement of existing equipment imported from plant.  See page three for spare parts list.		10a. Maximum Total Volume/Element WGT (KG), or Total Activity (TBq)  Not Applicable	10b. Max Enrichment or WGT%  Not Applicable	10c. Max Isotope WGT (KG)  Not Applicable	
11. Foreign origin or obligations by country and, if known, by percentage of maximum total volume (leave blank for byproduct licenses)					

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License Number <b>XCOM1373</b>	Docket Number <b>11006636</b>	Adams Accession Number	<input checked="" type="checkbox"/> Public <b>OR</b> <input type="checkbox"/> Non-Public
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**PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS**

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

12. Name(s)/Address(es) of Foreign Suppliers and/or other Foreign Parties to Import	13. Name(s)/Address(es) of Foreign or U. S. Intermediate Consignee(s)	14. Name(s)/Address(es) of Ultimate U. S. Consignee(s)	
12a. NRC Export License Number(s) (if applicable)	13a. License Number(s) / Expiration Date(s)	14a. License Number(s) / Expiration Date(s)	
	13b. Intermediate Use(s)	14b. Ultimate End Use(s)	
15. Description of Radioactive Materials, Sealed Sources, Nuclear Facilities	15a. Maximum Total Volume/ Element WGT (KG), or Total Activity (TBq)	15b. Max Enrichment or WGT%	15c. Max Isotope WGT (KG)

16. Foreign obligations (By country and by Percentage of Maximum Total Volume)

**PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)**

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

17. Additional Information provided on pages 3, 4, and/or separate sheets? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	17a. Copies of Recipient's Authorizations Provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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18. Certification:

I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.

18a. Print Name and Title of Authorized Official <b>Daniel Dale</b>  Chief operating officer	18b. Signature -- Authorized Official Signed by: 	18c. Date  Apr 25, 2025
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Additional Information (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Paragon Energy Solutions, LLC ("Paragon") hereby submits the attached application for an export license under NRC Export Licensing Authority. The export is for the following spare parts to support neutron flux monitoring systems at Barakah Nuclear Power Plant as needed for units 1-4:

Ex-core Neutron Flux Monitoring System spare parts to include the following:

- Dual Bistable Trip PCA\*
- Dual Pulse Isolator PCA
- Detector Assembly (98 ft, 85 ft)
- Junction Box Assembly
- In-cont. Cable (150 ft, 170 ft, 190 ft)
- Amplifier Cable (190 ft, 420 ft, and 430 ft)
- Conduit Assembly
- Conduit Fitting
- Amplifier Distribution Assembly
- Amplifier Distribution Backplane
- Gain Controller PCA
- Triple Discriminator PCA
- BDAS Log Count Level PCA
- Discriminator & Bandpass Filter PCA
- Power Range Summing Amplifier PCA
- Quad Isolator PCA
- Dual Pulse Isolator PCA
- Signal Processor, Safety Channel
- Backplane PCA
- Test Generator PCA
- Log Count & Rate PCA
- Log Amp & Rate PCA
- Power Range Summing Amp PCA
- Panel Mount LED PCA
- Signal Processor, SU & Control
- Backplane PCA
- Test Generator PCA
- Input Select Logic PCA
- Log Count & Rate PCA
- Power Range Summing Amplifier PCA
- Quad Isolator PCA
- Dual Pulse Isolator PCA
- Dual Signal Converter
- Audio Countrate PCA
- Panel Mount LED PCA
- Audio Chassis
- Audio Amplifier PCA
- Panel Mount LED PCA
- Fiber-Optic Fan Assembly
- Fiber-Optic Fan Assembly
- Temperature and Fan Alarm PCA
- Panel Mount LED PCA
- Fiber-Optic Converter

\*Printed Circuit Assembly (Circuit Board) ("PCA")

Many shipments over the course of five (5) years

This license will allow for the efficient ongoing support of Barakah Nuclear Power Plant, Units 1-4.

If any additional information is required to process this application, or if there are any questions, please contact the undersigned at 817-284-0077 or by email at ddale@paragones.com.