

NRC FORM 7 (12-30-2025) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027		EXPIRES: 12/31/2028	
		APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) <i>(See Instructions on Pages 4 and 5)</i>				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, 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. 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.	
PART A. FOR NRC USE ONLY		☒ Public OR ☐ Non-Public		Date Received 7/7/2026			
License Number XB1379		Docket Number 11006677		Adams Accession Number			
PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS (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 Humboldt Scientific, Inc 2525 Atlantic Ave., Raleigh, NC 27604 USA		1a. Name of Applicant's Contact Mahir Al-Nadaf		1b. Applicant's Reference Number 37116			
		1c. Office Telephone Number 919 278 7463		1d. Office Facsimile Telephone Number 919 833 5283			
		1e. Applicant's Email Address mahir@humboldtmfg.com					
2. Type of Action Requested		☒ Export (Parts B, C, E) ☐ Amendment/Renewal Current License Number:		☐ Import (Parts B, D, E) ☐ Consent Request (Parts B, C) Current License Number:			
3. Contract Number(s) 37116		4. First Shipment Date 09/01/2026		5. Last Shipment Date 08/31/2027		6. Proposed Expiration Date 08/31/2027	
PART C. TO BE COMPLETED FOR EXPORT 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.)							
7. Name(s)/Address(es) of U. S. Suppliers and/or other U. S. Parties to the Export N/A – No other U.S. parties.		8. Name(s)/Address(es) of Intermediate Foreign Consignee(s) N/A – No intermediate foreign consignee.		9. Name(s)/Address(es) of Ultimate Foreign Consignee(s) TOHAMA COMPANY FOR ENGINEERING INSPECTION, HYDRAULIC AND ELECTRICAL EQUIPMENT AND ACCESSORIES, HUMAN RESOURCES TRAINING, AND MAP DESIGN LTD. Al-Zubair Main Street - Al-Mohandessin District, opposite Internal Security, Basra, Iraq			
7a. Function(s) Performed/Service(s) Provided N/A		8a. Intermediate Use(s) N/A		9a. Ultimate End Use(s) See Page 3			
10. Description of Radioactive Materials, Sealed Sources, Nuclear Facilities, Equipment, or Components; for Nuclear Equipment include Total Dollar Value of Equipment for Export Portable Nuclear Moisture/Density Gauge Manufacturer: Humboldt Scientific, Inc. Model: HS-5001EZ Device containing sealed radioactive sources: • Cesium-137 (Cs-137) sealed source for density measurement. • Americium-241:Beryllium (Am-241:Be) sealed neutron source for moisture measurement.		10a. Maximum Total Volume/Element WGT (KG), or Total Activity (TBq) One (1) portable nuclear moisture/density gauge containing: Cs-137: 0.00037 TBq Am-241:Be: 0.00148 TBq		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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(12-30-2025)
10 CFR 110

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**APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**

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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? ☒ Yes ☐ No	17a. Copies of Recipient's Authorizations Provided? ☐ Yes ☒ 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 MAHIR AL-NADAF V.P. OF ENGINEERING RSO	18b. Signature -- Authorized Official 	18c. Date 7/6/2026
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Public

OR



Non-Public

Additional Information (Reference applicable block numbers from page 1 and/or page 2 for each entry)

9a Ultimate End Use(s):

The portable nuclear gauge will be used for non-destructive measurement of soil moisture content and density for civil engineering, geotechnical, highway construction, and quality control testing. The gauge will be operated by trained personnel in accordance with applicable Iraqi regulatory requirements.