



**WASTE/MATERIAL PROFILE FORM**  
Uniform Radioactive Waste Acceptance Supplement

Profile #:

Generator Information					
1. Generator Name:				2. EPA ID #:	
3. Site Address:					
Radioactive Material Description & Site Waste Acceptance Capabilities					
Radionuclides in the Waste Stream (Please check all that apply)	Waste Concentration (pCi/g)	Site Permit Limits (all values in pCi/g unless otherwise specified)			
		USEI	USEM	USET	USEN
Source Material (any Uranium and/or Thorium) <b>Do you know if the source material is:</b> Natural Uranium / Thorium <sup>1,2</sup> Depleted Uranium <sup>3</sup> , or Refined Uranium <sup>4</sup>	(Enter U & Th concentrations)	<0.05% by weight (500 ppm) <sup>5</sup>	<0.05% by weight (500 ppm) <sup>5</sup>	<0.05% by weight (500 ppm) <sup>5</sup>	<0.05% by weight (500 ppm) <sup>5</sup>
Radium-226 (Ra-226)		500/1500 <sup>6</sup>	50	30 <sup>7</sup>	5
Radium-228 (Ra-228)		500/1500 <sup>6</sup>	50	30 <sup>7</sup>	(Note)
Lead-210 (Pb-210)		1500	260	150	N/A <sup>8</sup>
Potassium-40 (K-40)		818 <sup>9</sup>	Not Specified	818 <sup>9</sup>	818 <sup>9</sup>
Exempt Byproduct Material		Per exemption <sup>10</sup>	Per exemption <sup>10</sup>	Per exemption <sup>10</sup>	Per exemption <sup>10</sup>
Special Nuclear Material		3,000 <sup>11</sup>	N/A	N/A	N/A
Accelerator-Produced Material		<10mR/hr <sup>12</sup>	Per Approval	Per Approval	N/A
Specifically Exempted Waste		3,000 <sup>11</sup>	N/A	N/A	N/A
<ol style="list-style-type: none"> <li>1. Natural Uranium and Thorium means all parent and progeny concentrations are as found in nature and considered to be in equilibrium.</li> <li>2. Natural Uranium contains U-234, U-235, and U-238. Natural Thorium contains Th-228, Th-230, and Th-232</li> <li>3. Depleted Uranium contains U-235 at &lt;0.71% by weight.</li> <li>4. Refined Uranium refers to waste forms that have undergone chemical separation where the equilibrium state between the uranium parent and its decay chain has been disrupted.</li> <li>5. Unimportant Quantity of Source Material General Exemption in 10CFR40.13(a) is ≤ 500 ppm U + Th. The pCi/g concentrations provided are the 500 ppm equivalents for U-238 and Th-232. A sum of fractions (SOF) must be performed for U and Th with a result ≤ 1.0.</li> <li>6. USEI limit is for Ra-226+Ra-228 combined. 500 pCi/g is for bulk loads, up to 1500 pCi/g requires a sealed IP-1 package.</li> <li>7. USET limits is for Ra-226 or Ra-228. See TCEQ regulations for other NORM exemptions.</li> <li>8. USEN may not accept Pb-210</li> <li>9. K-40 may not be enriched beyond its natural concentration.</li> <li>10. Please complete Radioactive Waste Supplement Form for Exempted Products, Devices, or Items.</li> <li>11. US Ecology Idaho only. Sum of all nuclides. Please complete Supplement Form for USEI.</li> <li>12. US Ecology Idaho only. Please complete Supplement Form for USEI.</li> </ol>					
Certification Statement					
I certify that the contents of the package(s) being shipped are not licensed or regulated at the point of generation under the Atomic Energy Act of 1954, as amended, by the US Nuclear Regulatory Commission, an Agreement State, or the US Department of Energy.					
Print Name:			Signature:		
Title:			Company:		
Date:					

<p><b>Instructions</b> – This supplement form is provided for any product, device, or item containing radioactive material that has a general licensing exemption provided in either Federal or State regulations. Please list all relevant products, devices, or items in the section below. Links to the lists of exemptions are also provided for your reference.</p>	<p><b>References for Federal and State Exemptions</b>  <a href="#">USEI: USEI Waste Acceptance Criteria</a>  <a href="#">USEM: USEM Waste Acceptance Criteria</a>  <a href="#">USEN: USEN Waste Acceptance Guidelines</a>  <a href="#">USET: USET Waste Acceptance Guidelines</a></p>
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**Check if any additional inventory information is attached in lieu of listing inventory below.**

Line	Name or Type of Product, Item, or Device <i>(Fill out new line for EACH different type)</i>	Total Number in Shipment	Radionuclide Contained	Activity Per (μCi)	Disposal Site	Cited Regulatory Exemption
1.	<i>Example: Ionization Smoke Detectors</i>	10	Am-241	1.0	USEI	10 CFR 30.15
2.						
3.						
4.						
5.						
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8.						
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12.						
13.						
14.						
15.						
16.						

Notes:  
 1. The generator must provide an inventory of for all Products, Items, and Devices including activity, by isotope, for each container.

Particle Accelerator Produced Radioactive Material (NARM) (USEI WAC Table C.3)					
1. Was the waste generated in a particle accelerator?					Yes No
Estimated inventory of activity, by isotope, for each container					
Radionuclide	Concentration (pCi/g)	Radionuclide	Concentration (pCi/g)	Radionuclide	Concentration (pCi/g)
Notes					
<ul style="list-style-type: none"> <li>Dose rate may not exceed 10 mrem/hr at any point on the package surface.</li> <li>Containers must be <b>at least 90% full</b>.</li> </ul>					
Materials Specifically Exempted by the NRC or NRC Agreement State (USEI WAC Tables C.4b or C.4c)					
1. Is the material approved for disposal in accordance with 20.2008(b) or equivalent Agreement State regulation? <i>(If yes, provide a copy of the exemption)</i>					Yes No
2. Has the waste been approved by the NRC or an Agreement State for alternative disposal in accordance with 10CFR 20.2002 or an Agreement State equivalent regulation? <i>(If yes, provide a copy of the approval request, NRC exemption, and applicable SER/FONSI)</i>					Yes No
3. Was the material approved for alternate disposal via a decommissioning plan or license amendment? <i>(If yes, provide a copy of the license or plan.)</i>					Yes No
4. Is the material acceptable under USEI Table C.4b as not licensed or regulated by the NRC or Agreement State under the Atomic Energy Act? <i>(If yes, provide documentation that the radioactive material is unlicensed)</i>					Yes No
5. Has the material been "Released from Radiological Control" from a US Department of Energy Site in accordance with a DOE Order 458.1 Authorized Limit? <i>(If yes, provide a copy of the Authorized Limit package and applicable DOE approval letter)</i>					Yes No
6. Has the material been exempted, released, or otherwise authorized for non-licensed disposal by the US Department of Defense under its AEA Section 91(b) authority? <i>(If yes, provide a copy of the DoD approval letter)</i>					Yes No
Exempt Material			WAC Limit		
Byproduct Material <i>(Exempt per 10CFR30.11, A/S equivalent, US DOE, US DoD)</i>			Sum of all Isotopes <3,000 pCi/g		
Source Material <i>(Exempt per 10CFR40.14, A/S equivalent regulation, US DOE, or US DoD)</i> Sum of all isotopes < 3,000 pCi/g. If waste contains <u>both uranium and thorium</u> , a sum of fractions (SOF) must be calculated using the limits provided below: <ul style="list-style-type: none"> <li>Natural Uranium (in equil): <u>U-238 Limit = 214 pCi/g</u> <i>(U-238 * 14 decay progeny &lt; 3,000 pCi/g)</i></li> <li>Depleted Uranium: <u>U-238 Limit = 877 pCi/g</u> <i>(Only contains U-238, Th-234, Pa-234m, U-235, and U-234)</i></li> <li>Natural Thorium (in equil): <u>Th-232 Limit = 272 pCi/g</u> <i>(Th-232 * 11 decay progeny &lt; 3,000 pCi/g)</i></li> </ul>			<u>Use Space Below for U + Th SOF Calculations:</u>		
Special Nuclear Material <i>(Exempt per 10CFR 70.17, A/S equivalent regulation, US DOE, or US DoD)</i>			Sum of all Isotopes <3,000 pCi/g		
For US Ecology Idaho use only:					
Which of the USEI WAC Tables apply to this profile? (Check all that apply)				Waste Type (check only one)	
(Table C.1) Unimportant Quantities of Source Material Uniformly Dispersed in Soil or other Media (Table C.2) NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media (Table C.3) Particle Accelerator Produced Radioactive Material (NARM) (Table C.4a) NRC Exempted Products, Devices, or Items (Table C.4b) Materials Specifically Exempted by the US NRC or an NRC Agreement State (Table C.4c) Materials Released by Other Government Agencies				FUSRAP RADIOACTIVE NON-FUSRAP RADIOACTIVE EXEMP ACCEL	