

<u>U.S. DEPARTMENT OF COMMERCE</u> Bureau of Industry and Security <u>U.S. NUCLEAR REGULATORY COMMISSION</u> Office of Nuclear Material Safety and Safeguards				Date Received (Leave Blank)
<b>ADDITIONAL PROTOCOL REPORT</b>				
<b>FORM AP-8: HOLDINGS OF IMPURE SOURCE MATERIALS</b>				
<b>8.1</b>	Reporting Code (once assigned):			
<b>8.2</b>	Activity Reporting Status: New activity Activity with no changes Activity with changes Ceased activity			
<b>If you possess one or more tons of impure uranium, thorium, or a combination of both, submit the following for each chemical form of impure uranium or thorium at your address.</b>				
<b>8.3.1</b>	a. Chemical Form:	b. Quantity on Hand (in metric tons):	c. Use or Intended Use Nuclear Non-nuclear	d. Intended Use Description
	e. Identify building name(s)/numbers(s) and any additional information that may more precisely define where the impure uranium or thorium is held (e.g. room numbers):			
<b>8.3.2</b>	a. Chemical Form:	b. Quantity on Hand (in metric tons):	c. Use or Intended Use Nuclear Non-nuclear	d. Intended Use Description
	e. Identify building name(s)/numbers(s) and any additional information that may more precisely define where the impure uranium or thorium is held (e.g. room numbers):			
<b>8.3.3</b>	a. Chemical Form:	b. Quantity on Hand (in metric tons):	c. Use or Intended Use Nuclear Non-nuclear	d. Intended Use Description
	e. Identify building name(s)/numbers(s) and any additional information that may more precisely define where the impure uranium or thorium is held (e.g. room numbers):			
<b>8.3.4</b>	a. Chemical Form:	b. Quantity on Hand (in metric tons):	c. Use or Intended Use Nuclear Non-nuclear	d. Intended Use Description
	e. Identify building name(s)/numbers(s) and any additional information that may more precisely define where the impure uranium or thorium is held (e.g. room numbers):			
<b>8.4</b>	Check this box if a Continuation Form (Form AP-16) has been used to provide additional information for any of the above questions.			

## FORM AP-8: Holdings of Impure Source Materials

Reporting requirements are set forth in 10 CFR Parts 75 and 110 of the U.S. Nuclear Regulatory Commission (NRC) Regulations.

### **INSTRUCTIONS:**

Submit Form AP-8 if one or more metric tons of uranium, thorium, or a combination of both, which have not reached the composition and purity suitable for fuel fabrication or for being isotopically enriched, is present at your location. Impure source material includes ore concentrates produced by concentration plants (e.g., uranium mills, in-situ leach mines, ore by-product plants, etc.), intermediate products resulting from further processing of this material, or any other materials resulting from ore processing with a concentration greater than 0.05% uranium or thorium. There is no requirement to report information on impure source material once it is in a non-nuclear end-use form.

**Question 8.1 Reporting Code:** A unique reporting code will be assigned and reported to each location by BIS once an Initial Report has been submitted. The Reporting Code must appear on all future forms pertaining to the location after it is assigned.

**Question 8.2 Activity Reporting Status:** Indicate the current reporting status by checking the appropriate box (i.e., “New Activity” to report an activity for the first time, “Activity with changes” or “Activity with no changes” if a report for this activity was previously submitted, or “Ceased activity” for an activity that ended during the reporting year and will not be reported in future years). If the information previously reported for this specific activity has not changed, you are not required to complete the rest of this form, instead check the “Activity with no changes” box and submit along with Forms AP-1, AP-2 and any other required activity forms.

**Questions 8.3.x Source Material Information:** Complete a separate Question 8.3.x for each chemical form of source material.

- a) **Chemical Form:** Provide the chemical name or molecular formula for the source material (e.g., ThO<sub>2</sub>, ammonium diuranate, U<sub>3</sub>O<sub>8</sub>, or uranyl carbonate, etc.).
- b) **Quantity on Hand (MT):** Provide the quantity of source material (in metric tons U or Th) present at your location as of the date specified in the notification of reporting requirements letter received from NRC, if you are submitting as Initial Report. If submitting an Initial Report after the collection date or an Annual Update Report, provide the quantity of source material present at your location as of the preceding December 31 in metric tons.
- c) **Use or Intended Use:** Check the box to indicate whether the end-use of the source material is or will be nuclear or non-nuclear.
- d) **Intended Use Description:** Provide a brief description of the end-use of the source material, whether nuclear or non-nuclear (e.g., ceramics, electronic components, conversion for uranium enrichment, etc.).
- e) **Place Where Activity Occurs:** Identify building name(s)/ number(s), and, any additional information that may more precisely define where the impure uranium or thorium is held (e.g. room numbers). If many rooms are used, you may describe areas within the building (e.g. 1st floor of the north wing).

**Question 8.4 Continuation Form:** Check this box if a Continuation Form, Form AP-16, has been used to provide additional information for any of the above questions.