

## Quarterly Radionuclide Inventory and New Staffing Report

Authorized User:

Reporting  
Period:

1<sup>st</sup> Quarter 1/1 – 3/31  
2<sup>nd</sup> Quarter 4/1 – 6/30  
3<sup>rd</sup> Quarter 7/1 – 9/30  
4<sup>th</sup> Quarter 10/1 – 12/31  
Year

The table below was completed using units of: millicuries (mCi) or microcuries (μCi).  
If additional columns are needed for more radionuclides, attach a second form.

Radionuclide(s)					
Activity on hand at beginning of quarter					
Activity received during quarter	+	+	+	+	+
Activity transferred to others during quarter*	–	–	–	–	–
Activity given to Radiation Safety as waste	–	–	–	–	–
Activity disposed down drain	–	–	–	–	–
Other:	–	–	–	–	–
Decay losses**	–	–	–	–	–
<b>Balance on hand at end of quarter</b>					
<b>Possession Limit</b>					

\*All transfers to be approved in advance by RSO

**Indicate all new personnel that have started working under your authorization during the quarter.**

### RSO Use Only

Name	Registered	Training

Note: All new personnel must be oriented to the laboratory and the use of radioactive materials (use RSO Form 2.6A) before handling radioactive materials. Please send a completed copy of Form 2.6A with this inventory.

\*\*Decay losses can be calculated as follows:

$$\text{Decay Loss} = A_0 \left( 1 - e^{-\left( \frac{0.693(t)}{\text{half-life}} \right)} \right) \text{ where } A_0 \text{ is the initial activity, and } t \text{ is the elapse time in the same units as half-life.}$$