Ionizing Radiation Authorization Permit

Description of Project

Radioactive Materials Limits

<table>
<thead>
<tr>
<th>Nuclide</th>
<th>Total Possession</th>
<th>Purchase Per Order</th>
<th>Use Per Experiment</th>
<th>Experimental Protocol #</th>
<th>Authorized Radiation Worker</th>
<th>Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Authorized Locations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lab Class</td>
</tr>
</tbody>
</table>

Precautions Required

Protective Clothing

<table>
<thead>
<tr>
<th>Disposable Gloves</th>
<th>Lab Coat</th>
<th>Safety Glasses</th>
<th>Lead Aprons</th>
<th>Shoe Covers</th>
<th>Disposable Coveralls</th>
<th>Hair Covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Tray/Absorbant Paper</td>
<td>Tongs for Stock Solutions</td>
<td>Lucite/Plexiglass Shielding</td>
<td>Lead Gamma Shield</td>
<td>Survey Instrument</td>
<td>Respiratory Protection</td>
<td></td>
</tr>
</tbody>
</table>

Personnel Monitoring

<table>
<thead>
<tr>
<th>Body Badge</th>
<th>Ring Badge</th>
<th>Extremity Badge</th>
<th>Urine Analysis Quarterly</th>
<th>Thyroid Count</th>
<th>Hand/Foot Monitoring</th>
<th>Air Monitoring</th>
</tr>
</thead>
</table>

Engineering Controls

| Fume Hood > 100 lfm | Fume Hood with Charcoal Filter | Glove Box with HEPA Filter | Interlocked Access | Flashing Light at Access | Clean Change Room | Stack Monitoring |

Other Requirements

1. A copy of this authorization shall be posted in the ionizing radiation work areas
2. All applicable provisions of the following documents shall be observed
   a. The Radiation Safety Manual (maintained by the Radiation Safety Officer)
   b. California Radiation Regulations and Federal Regulations (located in DH-182 by the Radiation Safety Officer)
   c. Health Physics Bulletins or Notices
3. The following records shall be maintained:
   a. Use logs
   b. Contamination Survey Results
4. Special Instructions:

Approval and Certification

We approve this ionizing radiation use as described and is subject to the precautions listed

We certify that all work will be as described and will be performed in accordance with the precautions listed

Radiation Safety Officer Date

Permitted User Date

Radiation Safety Committee Chairman Date

Permitted User’s Supervisor Date