Authorization Request For
Low-Level Liquid Radioactive Waste Drain Disposal

Authorized User (print) _______________________________________

Department ____________________________________________ Box ________

Identify specific sink/drain for which you are requesting
Liquid Radioactive Waste drain disposal privileges

Room Number/Building __________________________________________

Physical Location Within Room ______________________________________

After reading the following restrictions, certify that you agree to comply by signing below.

1. The discharged material must be readily soluble (or readily dispersible biological material) in water.
2. Quarterly disposal limits must not be exceeded (see list attached).
3. The authorized drain must be posted with a special sticker provided by Radiation Safety.
4. Each disposal must be recorded on the Quarterly Drain Disposal Log Sheet and Summary form, provided by Radiation Safety by email each quarter. A summary of quarterly disposals must be submitted electronically to Radiation Safety each quarter upon request.
5. Drain disposal for low-level liquid radioactive waste is intended strictly as a volume reduction method (i.e., high volume/low activity disposal such as rinse water, buffers, etc.).
6. You may not dispose of any form of liquid scintillation media via drain to the sanitary sewer system.
7. All accessible surfaces in the sink must be kept below acceptable levels for removable contamination on lab surfaces (< 200 DPM/100cm²).

_________________________________________ ______________
Authorized User Signature   Date

Return the completed form to Radiation Safety
by fax to 362-4776
or by campus mail to Campus Box 8053

Rev 02/2014
GUIDELINES FOR DRAIN DISPOSAL
OF LOW LEVEL RADIOACTIVE WASTE

I. A RESEARCH LABORATORY MAY DISPOSE OF LIQUID RADIOACTIVE
WASTE OF VERY LOW CONCENTRATION VIA THE DRAIN IF:

(1) the material is readily soluble in water,

(2) the Authorized User responsible for the laboratory has received written drain disposal
approval for the sink from Radiation Safety,

(3) the sink is properly posted for disposal of low level radioactive wastes,

(4) a record is kept indicating the date and upper estimate of the amount of activity of
each radionuclide discharged,

(5) periodic reports of discharged activity are provided to Radiation Safety when
requested, and

(6) the activity released per quarter does not exceed the following limits:

<table>
<thead>
<tr>
<th>Radionuclide</th>
<th>Maximum activity to be released per quarter (microcuries)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-3</td>
<td>750</td>
</tr>
<tr>
<td>C-14</td>
<td>150</td>
</tr>
<tr>
<td>P-32</td>
<td>150</td>
</tr>
<tr>
<td>P-33</td>
<td>150</td>
</tr>
<tr>
<td>S-35</td>
<td>150</td>
</tr>
<tr>
<td>Cr-51</td>
<td>150</td>
</tr>
<tr>
<td>I-125</td>
<td>150</td>
</tr>
<tr>
<td>I-131</td>
<td>150</td>
</tr>
<tr>
<td>Any other radionuclide unless approved by the RSC</td>
<td>75</td>
</tr>
</tbody>
</table>

II. IN THE EVENT SINK OR DRAIN MAINTENANCE OR REPAIR IS REQUIRED,
LABORATORY STAFF ARE REQUESTED TO DO THE FOLLOWING:

(1) survey and wipe test all accessible sink, drain, and other plumbing surfaces, including
beneath sink inside of cabinet,

(2) decontaminate all contaminated items identified in step 1 above,

(3) contact Radiation Safety to ensure above steps will be adequate,

(4) request needed work through the appropriate plant maintenance group, and,

(5) provide plumbers with disposable gloves to wear while the work is performed, as an
added safeguard.