Information of Activity

Activity: Preparing Radioactive PCR (33P)  
Location: CAB, Veterinary Science, G7  
Identified by: Jill Maddox 
Date: Updated 8th September, 2004  
Identified Hazard / Aspect: Radioactive Spill

Risk Analysis matrix – level of risk

<table>
<thead>
<tr>
<th>Likelihood</th>
<th>Consequences</th>
<th>1 Insignificant</th>
<th>2 Minor</th>
<th>3 Moderate</th>
<th>4 Major</th>
<th>5 Catastrophic</th>
<th>Hierarchy of Risk Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Almost Certain</td>
<td>H</td>
<td>H</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td>Elimination is a permanent solution and should be attempted in the first instance.</td>
<td></td>
</tr>
<tr>
<td>B Likely</td>
<td>M</td>
<td>H</td>
<td>H</td>
<td>E</td>
<td>E</td>
<td>Substitution involves replacing the hazard or environmental aspect by one of lower risk.</td>
<td></td>
</tr>
<tr>
<td>C Possible</td>
<td>L</td>
<td>M</td>
<td>H</td>
<td>E</td>
<td>E</td>
<td>Engineering controls involve physical barriers or structural changes to the environment or process.</td>
<td></td>
</tr>
<tr>
<td>D Unlikely</td>
<td>L</td>
<td>L</td>
<td>M</td>
<td>H</td>
<td>E</td>
<td>Administrative controls reduce hazard by altering procedures and providing instructions.</td>
<td></td>
</tr>
<tr>
<td>E Rare</td>
<td>L</td>
<td>L</td>
<td>M</td>
<td>H</td>
<td>H</td>
<td>Personal protective equipment last resort or temporary control.</td>
<td></td>
</tr>
</tbody>
</table>

LEGEND

E: extreme/significant risk; immediate action required; must be managed by senior management with a detailed plan, notify RMO immediately.
H: high risk, senior management attention needed, detailed research and management planning at senior levels
M: moderate risk, management responsibility must be specified; manage by specific monitoring or response procedures
L: low risk, manage by routine procedures; unlikely to need specific allocation of resources

Details of Action to be Taken

Actions: (These should be determined by both the person(s) identifying the risk and the responsible manager and HSR or Environmental Representative).

When determining action refer to Hierarchy of Risk Control

__________________________________________________________

__________________________________________________________

__________________________________________________________

__________________________________________________________

Person assessing the risk: JILL MADDOX  
Date: 8th September 2004  
Authorised by: CAB Laboratory Management Committee  
Planned completion date: ___________

Actions Completed

Actions by: ____________________________________________  Completed (Initials & date): ___________________