



<i>Environmental Guideline</i> <b>Management of Pesticides, Herbicides and Rodenticides</b>	
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<i>Controlled Copy Location:</i>	Not applicable.

<b>Activity Description</b>
This activity includes the proper storage, handling, transportation, and disposal of all pesticides, herbicides, and rodenticides.

<b>Potential Environmental Risks</b>
<p>The following environmental concerns are associated with this activity:</p> <ul style="list-style-type: none"> <li>• Destruction of Wildlife/Protected Species</li> <li>• Destruction of Wetlands</li> <li>• Improper or inappropriate disposal of waste pesticides, herbicides, or rodenticides</li> <li>• Contamination of soils</li> <li>• Contamination of surface water</li> <li>• Contamination of ground water</li> <li>• Damage to non-target organisms</li> </ul>
<p>Potential consequences from performing the activity incorrectly:</p> <ul style="list-style-type: none"> <li>• Personal injury, property damage, and damage to the environment.</li> <li>• Possible regulatory non-compliance, Notice of Violation and related financial &amp; non-financial penalties.</li> </ul>

<b>Critical Operating Requirements</b>
<b>A. General Requirements</b>
<p><b>Prohibited Activities</b></p> <ul style="list-style-type: none"> <li>• Disposal of any unused pesticides or herbicides into the sanitary or stormwater system or anywhere on City property is prohibited (unused or waste pesticides/herbicides may require special handling as hazardous waste - refer to General Waste Management Guidelines).</li> <li>• Disposal of pesticide or herbicide containers without triple rinsing to remove residues is prohibited (all containers must be triple rinsed before discarding the container - rinse waters must be applied to treatment area per label instructions).</li> <li>• Application of pesticides classified as "restricted use" by an unlicensed applicator is prohibited (these activities must employ an applicator licensed with the Colorado Department of Agriculture).</li> </ul>
<p><b>General Considerations</b></p> <ul style="list-style-type: none"> <li>• Each operator conducting activities utilizing a pesticide, herbicide or rodenticide is responsible for understanding the applicable regulations and managing their activities accordingly; this Environmental Guideline is meant as guidance only and does not supersede any regulations.</li> <li>• Follow application instructions exactly as described on the container label.</li> <li>• Take care not to breathe chemical fumes, vapors, or dusts when mixing or applying; wear personal protective equipment during application and handling of materials.</li> </ul>

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<b>Critical Operating Requirements</b>
<b>A. General Requirements</b>
<b>Training Requirements</b> <ul style="list-style-type: none"><li>• Employees must be trained using educational materials depicting the proper use, handling, and disposal of pesticide and herbicide products.</li><li>• Ensure contractors engaged in the application of pesticides and herbicides are qualified and licensed as Commercial Pesticide Applicators by the Colorado Department of Agriculture. This requirement should be included in the contract.</li></ul>
<b>Storage &amp; Material Handling Requirements (Indoor/Outdoor)</b> <ul style="list-style-type: none"><li>• Store materials per RCRA approved methods.</li><li>• Store all pesticides in their original container with legible labels.</li></ul>

<b>B. Planning Requirements</b>	<i>Responsible: Operator</i>
B1. Train employees involved in the use of pesticides/herbicides and rodenticides.	
B2. Pesticide/herbicide MSDS's and product information must be made available at the facility and to all employees.	
B3. Minimize use of pesticides and fertilizers. Seek less harmful/toxic pesticides and fertilizers to replace ones currently used.	
B4. Maintain adequate supplies of spill response equipment and materials in locations where spills are likely to occur.	
B5. If waste materials are handled as universal waste the material can only be stored on site for one year.	
B6. Have appropriate Personal Protective Equipment available for use prior to engaging in pesticide application activities.	

<b>C. Critical Tasks</b>	<i>Responsible: Operator</i>
C1. Maintain inventories of pesticide/herbicide materials stored on site. When possible pesticide inventory should be minimized to amounts required for intended use. Maintain records of use (i.e., what was used, when and where).	
C2. Avoid excess use of chemical.	
C3. Use Personal Protective Equipment when appropriate.	

<b>D. Emergency Response</b>	<i>Responsible: Operator</i>
D1. If a spill occurs, refer to Environmental Guideline Spill Response. <ul style="list-style-type: none"><li>• <b>Call 311 immediately (during normal business hours) or at 303-206-0001 after normal business hours for all spills.</b></li></ul>	

<b>E. Inspection &amp; Maintenance Requirements</b>	<i>Responsible: Operator</i>
E1. Pesticide, herbicide and rodenticide storage areas should be inspected on a regular basis for proper storage and general housekeeping.	

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<b>Expected Records / Outputs</b>	
<u>Record / Output</u>	<u>Instructions</u>
1. Inventory reports 2. Purchase orders 3. Shipping receipts 4. Storage Inspections  5. Disposal 6. MSDS's for pesticides/herbicides/	<ul style="list-style-type: none"> <li>• Inventory reports are maintained by site.</li> <li>• Purchase order information is maintained by site.</li> <li>• Shipping receipts are maintained by site.</li> <li>• Designated facility operations staff is responsible for inspection of pesticide/herbicide storage on a regular basis.</li> <li>• Inspections should be logged and maintained on site.</li> <li>• Contact DEH EQ at 720-865-5473 for disposal of all pesticides and herbicides.</li> <li>• Manufactures of these products will supply MSDS documents on demand. MSDS's for all pesticides/herbicides/ must be made available to all employee engaged in application activities. MSDS's must be maintained on file on site.</li> </ul>

<b>References</b>
<u>Phone Numbers</u> <ul style="list-style-type: none"> <li>• <b>311 (for Spill Reporting during normal business hours).....3-1-1</b></li> <li>• DEH DEQ Emergency Response (after normal business hours)..... (303) 206-0001</li> <li>• Paul Bedard (Facility Compliance Program Admin.)..... (720) 865-5473</li> </ul>
<u>Guidance Materials (list not limited to the following)</u> <ul style="list-style-type: none"> <li>• MSDSs</li> <li>• Municipal Facility Runoff Control Plan</li> <li>• CCD-301.03.10 General Regulated Waste Management</li> <li>• CCD-301.03.26 Spill Response</li> <li>• Container label</li> </ul>
<u>Related Environmental Guidelines (list not limited to the following)</u> <ul style="list-style-type: none"> <li>• Spill Response</li> <li>• General Waste Management</li> </ul>
<u>Applicable Regulations (list not limited to the following)</u> <ul style="list-style-type: none"> <li>• 40 CFR 260-273, Federal Resource Conservation &amp; Recovery Act (RCRA)</li> <li>• 40 CFR 122-124, Clean Water Act</li> <li>• 40 CFR 150-189, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)</li> </ul>

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