

# Stormwater

## 2004 Boise City Non-Stormwater Disposal Best Management Practices



REV. JUNE 2006

## GENERAL REQUIREMENTS

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### PURPOSE

The purpose of this HANDBOOK is to define minimum requirements for non-stormwater storm drain uses within Boise City. The HANDBOOK establishes practices to reduce pollutants in non-stormwater storm drain uses.

This HANDBOOK presents stormwater best management practices (BMPs) for storm drain uses regulated by Boise City. However, these BMPs will not apply for all situations. Compliance with these BMPs does not relieve those that discharge to storm drains the responsibility to comply with additional regulations established by federal, state, and other local agencies owning and operating municipal separate storm sewer systems (MS4s). Local agencies owning and operating portions of MS4s in Boise include, but are not limited to: the Ada County Highway District, Ada County Drainage District No. 3, Boise State University, and Idaho Department of Transportation District 3. Garden City also has stormwater management responsibilities within the Boise region.

### MODIFICATIONS & ADDENDUM

This HANDBOOK shall be revised and updated as necessary and as approved by the Boise City Council to reflect corrections and advances in the fields of storm drain protection and water resources management. Users who request changes to the HANDBOOK shall provide data to Boise City that supports justification for the change.

### AUTHORITY

The Clean Water Act of 1972, as amended in 1987, prohibits the discharge of pollutants into waters of the United States unless the discharge is in compliance with the National Pollutant Discharge Elimination System (NPDES) permit. And, Boise City is subject to the Phase 1 Stormwater NPDES permitting requirements. These federal regulations require Boise City to control pollutants in stormwater discharges to the “maximum extent practicable” (MEP) standard. MEP means the technology-based standard established by Congress in Clean Water Act section 402(p)(3)(B)(iii). The MEP standard generally emphasizes pollution prevention and source control BMPs in combination with structural or system treatment methods serving as a backup.

Within this regulatory context, Boise City has established BMPs that reduce pollutants that may be carried in stormwater runoff. Please be aware that other Boise City programs have also established stormwater BMPs that are required for new development and significant redevelopment, construction site discharge controls, and other pollution prevention programs.

Laws that provide Boise City with the authority to regulate drainage within the city’s jurisdiction include, but are not limited to:

- Constitutional authority as a municipal corporation to promulgate

## GENERAL REQUIREMENTS

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### GENERAL STORMWATER REQUIREMENTS

regulations governing the discharge of stormwater;

- Boise City's Stormwater Management and Discharge Control Ordinance, Chapter 8-15 of the Boise City Code (1994, revised 2000, 2004 revision pending) gives the City the authority to regulate stormwater runoff quality;
- Idaho code 50-332 and 50-333 give Boise City authority to control and secure the city's drains; and,
- Idaho code 67-6518 authorizes the City to adopt standards for storm drains.

The Boise City Council has adopted the Stormwater Management and Discharge Control Ordinance to "protect and enhance the water quality of our watercourses, water bodies, groundwater, and wetlands..." and to "control non-stormwater discharges to storm drains and reduce pollutants in stormwater discharges" (BCC 8-15-01.2).

Section 8-15-02.6 identifies that "discharges from the following activities will be allowed subject to application of 2004 Boise City Non-Stormwater Disposal Best Management Practices:"

- Water line flushing and other discharges from potable water sources;
- Landscape irrigation and lawn watering;
- Irrigation water;
- Diverted stream flows;
- Rising ground waters;
- Uncontaminated groundwater infiltration to storm drains;
- Uncontaminated pumped ground water;
- Foundation and footing drains;
- Roof drains;
- Water from crawl space pumps;
- Residential air conditioning condensation;
- Springs;
- Individual residential and non-profit group car washes;
- Flows from riparian habitats and wetlands;
- De-chlorinated swimming pool discharges; and,
- Flows from fire fighting activities and training.\*

*\*Emergency use of storm drains may occur as needed, however fire training activities are subject to the discharge BMP requirements listed.*

And, the following Boise City general stormwater requirements apply to these and all other storm drain uses:

- Use all reasonable measures to reduce pollutants entering storm drains (e.g., litter, detergents, waste, oil, grease, fertilizers, etc.);

## GENERAL REQUIREMENTS

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- Store grease, oil, de-icing materials, and hazardous and non-hazardous substances to prevent leaks and spills from entering storm drains;
- Maintain pavement, sidewalks, parking lots, gas stations, and streets or roads to prevent the accumulation of pollutants that may enter storm drains; and,
- Do not throw any pollutant into any body of water except as otherwise permitted under local, state, or federal law.

### PROPERTY CLEANING

Property cleaning and maintenance activities can deliver pollutants such as heavy metals, oil and grease, and toxic chemicals to storm drains. When these pollutants enter storm drains they flow to the Boise River or into ground water. BMPs, when applied, are able to reduce pollutants from this urban runoff. Boise City has established the following property cleaning BMPs to reduce the discharge of pollutants.

1. Routine property maintenance that includes litter control, frequent sweeping, and on-going spill containment and clean-up using dry clean-up methods is recommended and may help reduce the frequency of a more thorough pavement cleaning.
2. Sweep paved area to be cleaned just prior to cleaning and dispose of soil and debris in trash or landscaping.
3. Do not discharge wash water from steam cleaning\* or laden with detergents or cleaning chemicals to storm drains. Wash water with soap, even biodegradable soap, is not allowed into storm drains because of the foam it may create. Direct small amounts of this type of wash water onto landscaped areas for infiltration or collect and dispose of the wash water into Boise City sanitary sewer.
4. Minimizing the overall amount of water used for cleaning is encouraged (e.g., high-pressure washing). Small discharge amounts can be directed onto adjacent landscaped areas.
5. Place filters for debris sediment, and oil and grease hydrocarbon booms or pads around storm drain inlets or access points if these materials are present, or apply other suitable BMP technology. There should be no visible sheen on the discharge entering the storm drain.
6. Any stormwater or groundwater discharges to sanitary sewer must have prior approval through Boise City Public Works and may be subject to permitting under the City's pretreatment program. *Call 384-3991 or 384-3993 for more information.*

*\* High pressure, hot water cleaning discharges to storm drains are subject to all of the discharge BMP requirements listed.*

## GENERAL REQUIREMENTS

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## BEST MANAGEMENT PRACTICES

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Commercial and industrial facilities must manage stormwater consistent with federal, state, and local requirements. To determine which BMP to use, the activities that occur at the facility must be identified. The BMP Directory has been developed to guide commercial and industrial facility operators to the applicable BMPs.

## BMP DIRECTORY

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	EXAMPLES:	
1. Are there any non-stormwater discharges to drains?	<ul style="list-style-type: none"><li>• Process wastewater</li><li>• Cooling waters</li><li>• Wash water</li><li>• Sanitary wastewater</li></ul>	<b>No</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> ▶ See Section 1 and Section 2
2. Does outdoor storage, materials loading, unloading, or transfer occur for any raw materials, finished goods, wastes, or other substances?	<ul style="list-style-type: none"><li>• Outdoor loading dock</li><li>• Liquids</li><li>• Bulk liquids or solids</li></ul>	<b>No</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> ▶ See Section 1 and Section 3
3. Are there any vehicle or equipment practices conducted outdoors on this site?	<ul style="list-style-type: none"><li>• Fueling</li><li>• Routine maintenance, repair, painting</li><li>• Washing, steam cleaning</li><li>• Manufacturing</li></ul>	<b>No</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> ▶ See Section 1 and Section 4
4. Are building exteriors (including windows, roof gutters, rooftops, etc.) and grounds (including sidewalks, pools, gutters, etc.) maintained?	<ul style="list-style-type: none"><li>• Landscaping</li><li>• Pesticide use</li><li>• Washing, painting</li><li>• Pools</li></ul>	<b>No</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> ▶ See Section 1 and Section 5
5. Can materials used, stored on-site, or contained in equipment accidentally spill?	<ul style="list-style-type: none"><li>• Outdoor loading/unloading, storage</li><li>• Vehicle or equipment maintenance</li><li>• Building or landscape maintenance materials</li></ul>	<b>No</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> ▶ See Section 1 and Section 6
6. Are there any building or equipment repairs, remodeling, or construction activities occurring on-site?	<ul style="list-style-type: none"><li>• Erodible surface areas</li><li>• Temporary outdoor storage</li><li>• Sandblasting</li><li>• Painting</li><li>• Equipment repair/replacement</li></ul>	<b>No</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> ▶ See Section 1 and Section 7
7. Are there any stormwater facilities on-site?	<ul style="list-style-type: none"><li>• Catch basins</li><li>• Conveyance ditches</li><li>• Sumps</li><li>• Gutters</li><li>• Drains</li></ul>	<b>No</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> ▶ See Section 1 and Section 8

## BEST MANAGEMENT PRACTICES

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### Section 1

GENERAL BMPs  
*Applicable to all industrial  
and commercial businesses*

#### REQUIRED ■

- Train employees to protect storm drains and to use good housekeeping techniques.<sup>1</sup> See the Disposal Alternatives table for more information.
- Conduct property cleaning in accordance with the BMPs identified.
- Prevent and, depending on the material, clean up spills immediately using dry cleanup methods. See the Disposal Alternatives table for more information.
- Depending on the type and quantity of materials present, maintain spill cleanup kits in all activity areas. *For more information contact Boise City Public Works at 394-3901.*
- Review the materials you have at your facility and whether there are specific regulations pertaining to their use and disposal (i.e., hazardous materials).

#### RECOMMENDED ●

- Conduct regular inspections and self audits to identify hazardous materials and activities that impact stormwater.
- Mark storm drains with a “Dump No Waste” message to identify stormwater drains and to prevent non-stormwater discharges.
- Look for ways to reduce, reuse, and recycle materials and use non-toxic or the least toxic materials available.
- Locate business activities indoors or in designated areas away from a gutter or storm drain to prevent stormwater from running onto and off of the site. Or, cover the activity, use curbing or berms, pave the work surface, and provide secondary containment with drainage to a treatment system or dead-end sump.
- Preserve and maintain existing on-site vegetation.

<sup>1</sup> Good housekeeping includes: spill prevention, control, and cleanup; equipment and storage area inspection; and proper disposal of both hazardous waste and non-hazardous waste. See the Disposal Alternatives table for more information.

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### Section 2

*Non-Stormwater  
Discharges*

#### REQUIRED ■

- Eliminate illicit connections to the storm drainage system by inspection, piping schematic review, smoke testing, or dye testing. Contact the Boise City Public Works Pretreatment Program or the local sewer district for more information about connecting to and using the sanitary sewer system.
- Train employees on how to properly dispose of non-stormwater discharges. See the Disposal Alternatives table for more information.

#### RECOMMENDED ●

- Eliminate or reduce non-stormwater discharges to the stormwater collection system by isolating problem areas or re-plumbing to sanitary sewer lines in accordance with local sanitary sewer requirements.
- Provide well-marked procedures for proper disposal or collection methods for wastewater to prevent storm drain use violations.

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**BEST MANAGEMENT PRACTICES**

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**Section 3**

*Outdoor Storage and Loading Practices*

**REQUIRED ■**

**LOADING AND UNLOADING:**

- Install safeguards against accidental releases such as overflow protection devices and protection guards around tanks and piping.
- Train employees in spill control and clean up procedures.

**CONTAINER, BULK, AND WASTE STORAGE:**

- Clearly label containers or tanks and place them in a designated storage area with secondary containment.
- Take steps to prevent unauthorized entry into the storage area.
- Inspect tanks, drums, containers, and equipment regularly for leaks or spills.
- Store and maintain spill cleanup materials near the storage area.

**RECOMMENDED ●**

**LOADING AND UNLOADING:**

- Load and unload toxic materials indoors. If this is not possible, then it is recommended to cover the outside loading and unloading docks to reduce exposing materials to rain.
- Use drip pans and/or absorbent materials to catch leaks or spills under hoses and pipe connections, when transferring liquids, or if material is removed directly from tanks and containers.

**CONTAINER, BULK, AND WASTE STORAGE:**

- Cover bulk solid materials (gravel, sand, lumber, etc.) and protect from rain or stormwater run-on.

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**Section 4**

*Vehicle and Equipment Practices, Processing, Manufacturing*

**REQUIRED ■**

**VEHICLE WASHING:**

- When washing with detergents use designated wash areas that drain to either a sanitary sewer or an appropriate on-site treatment system.

**FUELING:**

- Connecting fuel-island drains to the sanitary sewer is prohibited. *Consult Boise City Pretreatment Program at 384-3991 for information.*
- Install automatic shutoff protection devices on hoses. *Consult Boise City Fire Marshall at 384-3950 for information.*

**MAINTENANCE, REPAIR, & PAINTING:**

- Connect the process equipment area to either the sanitary sewer or the facility wastewater treatment system. Contact the Boise City Public Works Department before connecting to a system.
- Install a spill/drip collection system and secondary containment in the fueling area. Ensure that the fueling area drains to a treatment system designed for petroleum products. *Consult Boise City Fire Plan Review at 395-7809 for information.*
- Label and store recycling greases, used oil or oil filters, antifreeze, cleaning solutions, auto batteries, hydraulic fluids and transmission fluids separately.

*(Continued on page 8)*

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**BEST MANAGEMENT PRACTICES**

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**Section 4 (con't)**

*Vehicle and Equipment Practices, Processing, Manufacturing*

- Properly dispose of mercury-containing equipment (e.g., switches) and other hazardous waste.
- Inspect process lines for leaks or malfunctions regularly and repair leaks or malfunctions promptly.
- Ensure oil filters are drained before recycling or adding to solid waste.
- Sweep processing areas frequently. Avoid hosing down the areas to a storm drain.

OPERATIONS AND MANUFACTURING:

- Connect the process equipment area to either the sanitary sewer or the facility wastewater treatment system. Consult Boise City Public Works Department before connecting to a system.

**RECOMMENDED ●**

VEHICLE WASHING:

- Consider taking vehicles and equipment to commercial wash and steam cleaning businesses. Or, consider filtering and recycling wash water.
- If washing with detergents, use phosphate-free detergents.
- Look for ways to reduce the amount of water used when washing vehicles and equipment.

FUELING:

- Avoid “topping off” of fuel tanks.

MAINTENANCE, REPAIR, & PAINTING:

- Use drip pans underneath vehicles and equipment when performing maintenance or when putting vehicles or equipment into storage.
- Consider having the mercury switches in your auto fleet changed to non-mercury by a certified mechanic.
- Reduce solvent use by using a wire brush or a bake oven to clean parts and equipment.
- Sweep or use a shop vacuum to clean up sanding metal or Bondo. For safety purposes never use a shop vacuum for cleaning up flammable liquids.
- Allow debris from wet sanding activities to dry overnight if possible and either sweep or vacuum the debris, or invest in sanding equipment that has an attached vacuum system.

OPERATIONS AND MANUFACTURING:

- Inspect process lines for leaks or malfunctions regularly, and repair promptly. Place drip pans underneath potential leak points.

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**Section 5**

*Outdoor Maintenance Practices*

**REQUIRED ■**

LANDSCAPING:

- Ensure employees are trained in spill control and cleanup procedures.
- Use pesticides according to the manufacturer’s recommendations. Train employees to use pesticides properly to prevent accidents.
- Store and maintain spill clean up materials near pesticide storage areas. Ensure employees are trained in spill control and clean up procedures.
- Properly dispose of debris daily.
- When possible discharge pool or spa water to the sanitary sewer. For information about connecting to and using the sanitary sewer system contact the Boise City Public Works Pretreatment Program or the local sewer district. Otherwise, these

*(Continued on page 9)*



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## BEST MANAGEMENT PRACTICES

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### Section 5 (con't)

*Outdoor Maintenance Practices*

discharges can be directed to an adjacent storm drain after the chlorine residual has been reduced (e.g., wait three days or test to see if is around 1.0 parts per million (ppm) according to a colorimetric chlorine test kit), and when litter and debris have been swept up so they do not enter the storm drain.

#### STRUCTURE MAINTENANCE:

- Collect trash and yard debris and dispose of properly as needed.
- Store paints, solvents, and other maintenance materials in a covered area.
- Install secondary containment where required.
- Inspect and clean the storm drainage system as needed (e.g., twice a year) to ensure they operate as originally designed.
- When lead-based paint is present use ground or drop cloth under painting, scraping and during sandblasting activities. *Contact EPA 1-800-LEAD-FYI.*

#### RECOMMENDED ●

##### LANDSCAPING:

- Use integrated pest management practices where appropriate.
- Purchase only the amount of pesticides you need for your site.

##### STRUCTURE MAINTENANCE:

- Store and maintain spill cleanup materials near pesticide storage areas.
- Sweep the area frequently to avoid the accumulation of material. Avoid blowing trash, yard debris, or dust into a street or gutter.
- Establish an operation and maintenance schedule and track maintenance activities. List the contact person responsible for inspection and maintenance.
- When lead paint is not present, the use of a ground or drop cloth under painting, scraping and during sandblasting activities is encouraged.

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### Section 6

*Spill Prevention, Control and Cleanup*

#### REQUIRED ■

- Train employees in proper spill control and spill response procedures. Post spill response procedures as well as phone numbers.
- Regularly inspect and maintain spill cleanup kits in all activity areas.

#### RECOMMENDED ●

- Post spill response procedures so that they are both visible to staff and where spills may come in contact with stormwater.
- Utilizing the three-step cleanup process for spills and leaks is recommended:
  1. Always use dry methods to clean up spills. Clean spills with rags or other absorbent materials.
  2. Sweep the floor using a dry absorbent material.
  3. Mop the floor. If the mop water does not contain hazardous constituents, then it may be discharged to the sanitary sewer via a toilet, sink or floor drain. Contact the Boise City Public Works Department before discharging to the sanitary sewer.
- Inventory hazardous materials used, stored on site, or contained in equipment. Seek out ways to remove or replace non-essential hazardous materials wherever possible.

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## BEST MANAGEMENT PRACTICES

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### Section 7

*Building and Equipment  
Repair, Remodeling,  
Construction, and Demolition*

#### REQUIRED ■

##### GENERAL CONSTRUCTION:

- Prevent sediment laden stormwater runoff during construction activities by complying with local and federal requirements. *Contact Boise City Planning and Development Services at 384-7169 for more information.*
- Monitor subcontractors and employees to ensure they are practicing good housekeeping techniques and are aware of spill prevention, control, and cleanup procedures and proper waste disposal methods.
- Dispose of thermostats, fluorescent bulbs, and other mercury-containing equipment as hazardous waste.

##### PAINTING:

- Clean latex (water-based) paint brushes and equipment with water in a sink that is connected to the sanitary sewer.
- Clean oil-based paint brushes and equipment where waste paint and solvents can be collected and disposed as hazardous waste.
- When using lead-based paint use drop cloth under painting, scraping and during sandblasting activities. *Contact EPA 1-800-LEAD-FYI.*

#### RECOMMENDED ●

##### GENERAL CONSTRUCTION:

- Minimize disturbed soil exposure time and stabilize exposed soils by mulching, hydromulching, or using geotextiles.
- Inventory hazardous materials used, stored on site, or contained in equipment. Seek out ways to remove or replace non-essential hazardous materials wherever possible.
- Store materials under cover or in areas with secondary containment.
- Provide a gravel pad on-site for materials and equipment delivery.
- Stockpile soil, gravel, or other construction materials away from a street or storm drain.

##### PAINTING:

- Segregate wastes for recycling and/or disposal. See the Disposal Alternatives table for more information.
- When lead-based paint is not present, use of a ground or drop cloth under painting, scraping and during sandblasting activities is encouraged.

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### Section 8

*Stormwater Facility  
Operation and  
Maintenance Issues*

#### REQUIRED ■

- Inspect and clean the storm drains, storm drain equipment, piping, valves, joints, and pavement as needed (e.g., twice a year) to ensure they operate as originally designed and to reduce stormwater pollution.
- Train employees to protect storm drains and to use good housekeeping techniques.<sup>1</sup> See the Disposal Alternatives table for more information.

#### RECOMMENDED ●

- Store materials under cover or in areas with secondary containment.
- Establish an operation and maintenance schedule and track maintenance activities. List the contact person responsible for inspection and maintenance.
- For more information on stormwater system operation and maintenance, refer to the Boise City Stormwater Operation & Maintenance Resource Guide.

<sup>1</sup> Good housekeeping includes: spill prevention, control, and cleanup; equipment and storage area inspection; and proper disposal of both hazardous waste and non-hazardous waste. See the Disposal Alternatives table for more information.

## DISPOSAL ALTERNATIVES TABLE

### GENERAL CONSTRUCTION, PAINTING/STREET AND UTILITY MAINTENANCE

DISCHARGE/ACTIVITY	DISPOSAL TECHNIQUES
Excess oil-based paint	<ul style="list-style-type: none"> <li>Recycle/reuse; donate to nonprofit organization.</li> <li>Dispose of as hazardous waste.</li> </ul>
Excess water-based paint	<ul style="list-style-type: none"> <li>Recycle/reuse; donate to nonprofit organization.</li> <li>For small quantities, let the paint residue dry in the cans; remove lid; dispose in trash.</li> <li>For large quantities, solidify with cat litter, air dry, then dispose in trash.</li> </ul>
Clean-up of Oil-based paint	<ul style="list-style-type: none"> <li>Wipe paint out of brushes, then:                             <ol style="list-style-type: none"> <li>Filter and reuse thinners and solvents.</li> <li>Donate to nonprofit organization or dispose of as hazardous waste.</li> </ol> </li> </ul>
Clean-up of Water-based paint	<ul style="list-style-type: none"> <li>Wipe paint out of brushes, then:                             <ol style="list-style-type: none"> <li>Rinse to sanitary sewer.</li> <li>Dispose in trash.</li> </ol> </li> </ul>
Empty paint cans (dry)	<ul style="list-style-type: none"> <li>Remove lids, dispose lids and cans in trash.</li> </ul>
Paint stripping (with solvent)	<ul style="list-style-type: none"> <li>Dispose of as hazardous waste.</li> </ul>
Exterior cleaning of buildings (no hazardous materials present)	<ul style="list-style-type: none"> <li>Please refer to Property Cleaning BMPs, page 4 of this handbook.</li> </ul>
Exterior cleaning of buildings (mercury, chromium, or other hazardous materials in paints)	<ul style="list-style-type: none"> <li>Use dry cleaning methods (e.g., sand blasting).</li> <li>Mop up wash water, reduce volume by evaporating liquid mixture.</li> <li>Dispose of as hazardous waste.</li> <li>No wash water or debris is to be left in the street and no discharge to storm drains is allowed.</li> </ul>
Exterior cleaning of buildings (paint contains lead)	<ul style="list-style-type: none"> <li>Dispose of as hazardous waste.</li> <li>For assistance, contact EPA 1-800-LEAD-FYI.</li> </ul>
Paint scraping/sand blasting (no hazardous materials in paints)	<ul style="list-style-type: none"> <li>Dry sweep, dispose in trash.</li> </ul>
Construction & demolition debris (no hazardous materials in debris, or for asbestos)	<ul style="list-style-type: none"> <li>Reduce/reuse concrete, wood, or other construction materials.</li> <li>Transport to landfill as construction and demolition waste or for asbestos follow landfill packaging requirements.</li> <li>For assistance, contact Ada County Landfill at 577-4725.</li> </ul>
Construction & demolition debris (hazardous materials including thermostats, switches, fluorescent bulbs, etc.)	<ul style="list-style-type: none"> <li>Dispose of as hazardous waste.</li> <li>Note: Fluorescent bulbs contain mercury and must not be broken or crushed.</li> <li>For assistance contact Ada County Landfill at 577-4736.</li> </ul>

## DISPOSAL ALTERNATIVES TABLE

### BUILDING & PROPERTY MANAGEMENT/MAINTENANCE

DISCHARGE/ACTIVITY	DISPOSAL TECHNIQUES
Leaking garbage dumpsters	<ul style="list-style-type: none"> <li>Collect and contain leaking material.</li> <li>Repair leak; return to dumpster to BFI for repair. <i>Call BFI at 345-1265.</i></li> </ul>
Wash water from cleaning garbage dumpsters	<ul style="list-style-type: none"> <li>Filter wash water through grease interceptor; <i>contact Boise City at 384-3991 or 384-3993</i> before discharging to sanitary sewer.</li> </ul>
Exterior building and property (no hazardous materials present)	<ul style="list-style-type: none"> <li>Routine property maintenance that includes litter control, frequent sweeping, and on-going spill containment and clean-up using dry clean-up methods is recommended and may help reduce the frequency of a more thorough pavement cleaning.</li> <li>Sweep paved area to be cleaned just prior to cleaning and dispose of soil and debris in trash or landscaping.</li> <li>Do not discharge wash water from steam cleaning* or laden with detergents or cleaning chemicals to storm drains. Wash water with soap, even biodegradable soap, is not allowed into storm drains because of the foam it may create. Direct small amounts of this type of wash water onto landscaped areas for infiltration or collect and dispose of the wash water into the Boise City sanitary sewer.</li> <li>Minimizing the overall amount of water used for cleaning is encouraged (e.g., high-pressure washing). Small discharge amounts can be directed onto adjacent landscaped areas.</li> <li>Place filters for debris sediment, and oil and grease hydrocarbon booms or pads around storm drain inlets or access points if these materials are present, or apply other suitable BMP technology. There should be no visible sheen on the discharge entering the storm drain.</li> <li>Any stormwater or groundwater discharges to sanitary sewer must have prior approval through Boise City Public Works and may be subject to permitting under the city's pretreatment program. <i>Call 384-3991 or 384-3993 for more information.</i></li> </ul> <p><i>*High pressure, hot water cleaning discharges to storm drains are subject to all of the discharge BMP requirements listed.</i></p>
Exterior building and property cleaning (mercury, chromium, or other hazardous materials in paints)	<ul style="list-style-type: none"> <li>Use dry cleaning methods (e.g., sand blasting).</li> <li>Mop up wash water, reduce volume by evaporating liquid mixture.</li> <li>Dispose of as hazardous waste, <i>contact Ada County Landfill at 577-4736.</i></li> <li>No wash water or debris is to be left in the street and no discharge to storm drains is allowed.</li> </ul>
Exterior building and property cleaning (paint contains lead)	<ul style="list-style-type: none"> <li>Dispose of as hazardous waste.</li> <li><i>For assistance, contact EPA 1-800-LEAD-FYI.</i></li> </ul>
Fluorescent light bulbs	<ul style="list-style-type: none"> <li>Dispose of as hazardous waste.</li> <li><i>Note: Fluorescent bulbs contain mercury and must not be broken or crushed.</i></li> <li><i>For assistance, contact Ada County Landfill at 577-4736.</i></li> </ul> <p><i>*Some manufacturers produce low mercury bulbs that, with additives, may not characterize as hazardous waste. Testing prior to disposal is necessary to verify compliance with federal universal waste regulations.</i></p>

## DISPOSAL ALTERNATIVES TABLE

### VEHICLE MAINTENANCE

DISCHARGE/ACTIVITY	DISPOSAL TECHNIQUES
Used motor oil	<ul style="list-style-type: none"> <li>Use secondary containment while storing; send to recycler.</li> </ul>
Antifreeze	<ul style="list-style-type: none"> <li>Use secondary containment while storing; send to recycler.</li> </ul>
Other vehicle fluids and solvents	<ul style="list-style-type: none"> <li>Dispose of as hazardous waste.</li> <li>For assistance contact Ada County Landfill at 577-4736.</li> </ul>
Automobile batteries	<ul style="list-style-type: none"> <li>Send to auto battery recycler.</li> </ul>
Mercury Containing equipment (switches, etc.)	<ul style="list-style-type: none"> <li>Dispose of as hazardous waste.</li> <li>For assistance contact Ada County Landfill at 577-4736.</li> </ul>
Vehicle washing	<ul style="list-style-type: none"> <li>Recycle wash water.</li> <li>Contact Boise City, 384-3991 or 384-3993 before discharging to oil/water separator connected to sanitary sewer.</li> </ul>
Mobile vehicle washing	<ul style="list-style-type: none"> <li>Collect wash water.</li> <li>Contact Boise City, 384-3991 or 384-3993 before discharging to oil/water separator connected to sanitary sewer.</li> </ul>
Rinse water (new car fleets)	<ul style="list-style-type: none"> <li>If rinse water is free of detergents or other cleaners, and as long as the wheels, undercarriage, and engine are not rinsed, discharge to the storm drain is allowed.</li> </ul>
Vehicle leaks (auto repair shops)	<ul style="list-style-type: none"> <li>Sweep up leaks using granular, absorbent material (e.g., cat litter).</li> <li>Mop and dispose of mop water to oil/water separator connected to sanitary sewer.</li> </ul>

### LANDSCAPE/GARDEN MAINTENANCE

DISCHARGE/ACTIVITY	DISPOSAL TECHNIQUES
Pesticides	<ul style="list-style-type: none"> <li>Use up, rinse containers, use rinse water as product.</li> <li>Dispose rinsed containers in trash.</li> <li>Dispose unused pesticide as hazardous waste.</li> </ul>
Garden clippings	<ul style="list-style-type: none"> <li>Compost or take to landfill.</li> </ul>
Tree trimmings	<ul style="list-style-type: none"> <li>Chip, if necessary, before composting, or sending to the landfill.</li> </ul>
Swimming pool, spa or fountain water	<ul style="list-style-type: none"> <li>Avoid using metal-based algicides (copper sulfate).</li> <li>For private swimming pools, determine when the chlorine residual is 0, wait 24 hours, then use for irrigation water. Or contact ACHD at 387-6100. You may be able to discharge to storm drain with prior approval.</li> <li>For public swimming pools, contact Boise City, 384-3991 or 384-3993 before discharging to sanitary sewer.</li> </ul>
Acid or other pool, spa, etc., cleaning	<ul style="list-style-type: none"> <li>Neutralize; contact Boise City, 384-3991 or 384-3993 before discharging to sanitary sewer.</li> </ul>
Swimming pool, spa filter backwash	<ul style="list-style-type: none"> <li>Reuse for irrigation water.</li> <li>Dispose on dirt area.</li> <li>Settle; contact Boise City, 384-3991 or 384-3993 before discharging to sanitary sewer.</li> </ul>

# DISPOSAL ALTERNATIVES TABLE

## OTHER WASTES

DISCHARGE/ACTIVITY	DISPOSAL TECHNIQUES
Carpet cleaning discharge	<ul style="list-style-type: none"> <li>• Dispose into the sanitary sewer.</li> <li>• Contact Boise City at 384-3991 for more information.</li> </ul>
Contaminated pumped ground water, infiltration, and foundation drainage	<ul style="list-style-type: none"> <li>• Treatment may be necessary. A discharge permit is required prior to any disposal to sanitary sewer. Call Boise City, 384-3991 or 384-3993 for more information.</li> <li>• For discharge to a storm drain contact the EPA for an NPDES permit and contact ACHD at 387-6280 for information regarding dewatering permit requirements.</li> </ul>
Kitchen grease	<ul style="list-style-type: none"> <li>• Put in closed container and put in the trash. NEVER flush down the drain.</li> <li>• Small amounts of cooking oil: fill disposal container with kitty litter and pour oil in. Add sufficient kitty litter to absorb all of the oil, reducing mess and spillage. Dispose to trash as solid waste.</li> <li>• For pick up of large quantities of fat/oil/grease call Darling Restaurant Services at 344-8318.</li> </ul>
Exhaust hood filter cleaning	<ul style="list-style-type: none"> <li>• Discharge wash water through a grease interceptor then to sanitary sewer.</li> </ul>
Clean-up wastewater from sewer back-up	<ul style="list-style-type: none"> <li>• Block storm drain, contain, collect and returned spilled material to the sanitary sewer and rinse remaining material to collection point and pump to sanitary sewer (no rinse water may flow to storm drain).</li> </ul>

## STORMWATER NOTES

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# AGENCY CONTACTS

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Emergency Spill Response	<b>Boise Fire Department</b> ..... <b>911</b>
To Report a Stormwater Problem	<b>Stormwater Pollution Hotline</b> ..... <b>(208) 395-8888</b>
Need More Information?	<b>Ada County Highway District</b> ..... <b>(208) 387-6280</b> De-watering and storm drain protection requirements.
	<b>Ada County Landfill</b> ..... <b>(208) 577-4725</b> General information.
	<b>Central District Health</b> ..... <b>(208) 375-5211</b> Septic systems and food service inspections.
	<b>Boise City Public Works Department</b> ..... <b>(208) 384-3901</b> Household hazardous materials collection, volunteer storm drain stenciling, solid waste and recycling, sanitary sewer pretreatment, stormwater ordinance, and Stormwater Operation and Maintenance Resource Guide.
	<b>Downtown Boise Association/ Capitol City Development Corporation</b> ..... <b>(208) 472-5200</b>
	<b>Garden City Public Works</b> ..... <b>(208) 472-2900</b> Volunteer storm drain stenciling, solid waste and recycling, sanitary sewer pretreatment, and the stormwater ordinance.
	<b>Idaho Department of Environmental Quality</b> ..... <b>(208) 373-0550</b> Industrial hazardous waste, sludge, and wastewater land application permits.
<b>US Environmental Protection Agency</b> ..... <b>1-800-424-4EPA</b> Stormwater Industrial Multi-Sector and Construction General Permits.	



City of Boise  
Public Works Department  
Environmental Division  
P.O. Box 500  
Boise, ID 83701-0500  
150 N. Capitol Blvd., 4th Floor  
(208) 384-3901  
[www.cityofboise.org/public\\_works](http://www.cityofboise.org/public_works)

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