

	Bowling Green, Kentucky Stormwater Best Management Practices (BMPs) Good Housekeeping Practices (GHPs)	GHP-09													
	Activity: Concrete Waste Management														
PLANNING CONSIDERATIONS: Training: No Inspection Frequency: Weekly to Monthly Implementation Cost: Low Monthly Maintenance: Low		Target Pollutants <table> <tr> <td>Significant ♦</td> <td>Partial ♦</td> <td>Low or Unknown ♦</td> </tr> <tr> <td>Sediment ♦</td> <td>Heavy Metals ♦</td> <td>Nutrients ♦</td> <td>Oxygen Demanding Substances ♦</td> <td>Toxic Materials ♦</td> </tr> <tr> <td colspan="2">Oil & Grease ♦</td> <td>Bacteria & Viruses ♦</td> <td>Floatable Materials ♦</td> <td>Construction Waste ♦</td> </tr> </table>	Significant ♦	Partial ♦	Low or Unknown ♦	Sediment ♦	Heavy Metals ♦	Nutrients ♦	Oxygen Demanding Substances ♦	Toxic Materials ♦	Oil & Grease ♦		Bacteria & Viruses ♦	Floatable Materials ♦	Construction Waste ♦
Significant ♦	Partial ♦	Low or Unknown ♦													
Sediment ♦	Heavy Metals ♦	Nutrients ♦	Oxygen Demanding Substances ♦	Toxic Materials ♦											
Oil & Grease ♦		Bacteria & Viruses ♦	Floatable Materials ♦	Construction Waste ♦											
Description Approach	<p>Concrete waste management requires simple measures including off-site washouts, performing on-site washout in a designated area, and training employees and subcontractors. These procedures will help reduce concrete pollutant discharge to stormwater</p> <p>The following steps will help reduce stormwater pollution from concrete wastes:</p> <ul style="list-style-type: none"> ➤ Store dry and wet materials under cover, away from drainage areas. ➤ Avoid mixing excess amounts of fresh concrete or cement on-site. ➤ Perform washout of concrete trucks off site or in designated areas only – such as a specially designed soil mixing sump protected by a sediment trap. ➤ Do not wash out concrete trucks into storm drains, open ditches, streets, or streams. ➤ Do not allow excess concrete to be dumped on-site, except in designated areas. For on-site washout: <ul style="list-style-type: none"> ➤ Locate washout area at least 50 feet from storm drains, open ditches, or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste; ➤ Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed of properly. ➤ Be sure the stormwater collection system is protected by means of a sediment trap or similar practice. 														

Activity: Concrete Waste Management**GHP-09**

- | | |
|------------------------------------|---|
| Approach
(cont'd) | <ul style="list-style-type: none">➤ When washing concrete to remove fine particles and expose the aggregate, avoid creating runoff by draining the water to a bermed or level area.➤ Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile, or dispose in the trash.➤ Train employees and subcontractors in proper concrete waste management.➤ For a quick reference on disposal alternatives for specific wastes, see the table presented in the Employee/Subcontractor Training BMP fact sheet, Table GHP-14-1.➤ Illicit dumping on-site or off-site without property owner's knowledge and consent is unacceptable.➤ Washout locations may be flagged with lath and surveyors tape or designated as necessary to insure that truck drivers utilize proper areas. |
| <i>Education</i> | |
| | <ul style="list-style-type: none">➤ Instruct drivers and equipment operators on proper disposal and equipment washout practices.➤ Educate employees, subcontractors, and suppliers on concrete waste storage and disposal procedures.➤ Designate a foreman or supervisor to oversee and enforce concrete waste management procedures. Make supervisors aware of the potential environmental consequences of improperly handled concrete wastes. |
| <i>Demolition Practices</i> | |
| | <ul style="list-style-type: none">➤ Monitor weather and wind direction to ensure concrete dust is not entering storm drains, watercourses, or surface waters.➤ Where appropriate, construct sediment traps or other types of sediment detention devices downstream of demolition activities. |
| Maintenance | <ul style="list-style-type: none">➤ Inspect subcontractors to ensure that concrete wastes are being properly managed.➤ If using a temporary pit, dispose hardened concrete on a regular basis that will prevent the pit from being more than half-full.➤ Foreman and/or construction supervisor shall monitor on site concrete waste storage and disposal procedures at least weekly. |
| Inspection | <ul style="list-style-type: none"><input type="checkbox"/> Concrete waste receptacles are maintained and emptied routinely.<input type="checkbox"/> On-site wash out area is located at least 50 ft. from storm drains, open ditches, or other water bodies<input type="checkbox"/> On-site wash out area is properly maintained and cleaned. |