ACTIVITY: S	Spill Prevention and Control	AM - 07	
	CITY OF	FKNOXVILLE	
Simit	Targeted Constituents	u Unhannan Dan sfit	
○ Sediment		or Unknown Benefit emanding Substances	
Nutrients		Construction Wastes	
Description	Prevent or reduce the discharge of pollutants to stormwater from reducing the chance for spills, stopping the source of spills, cont spills, properly disposing of spill materials, and training employ practice is likely to create a significant reduction in heavy metal and grease.	aining and cleaning up ees. This management	
	This best management practice covers only spill prevention and control. Some environmental regulations and business permits require a Spill Prevention and Con Countermeasures (SPCC) Plan to be prepared. Procedures for material delivery ar storage are in the following BMPs:		
	AM-06 Material Delivery and StorageIC-02 Outdoor Loading and Unloading of MaterialsIC-03 Outdoor Storage of Materials	s (bulk)	
	Common materials for which spill prevention and control is required to:	uired includes, but is not	
	- Soil stabilizers		
	- Herbicides and growth-inhibitors		
	- Fertilizers		
	- Deicing or anti-icing chemicals		
	- Fuels		
	LubricantsPetroleum distillates		
	Petroleum distillatesFood products or ingredients		
	 Food wastes or byproducts 		
	The list of hazardous materials and products that are likely to be almost endless. The prevention of leaks and spills is inexpensiv disposal of contaminated soil or water is very expensive. There best interest to prevent leaks.	e. Treatment and	
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AM-07 - 1

Activities & Methods

January 2001

ACTIVITY: Spill Prevention and Control		AM – 07
Approach	Report all leaks and spills, <u>in any amount</u> , whi storm drainage system, ditch, stream, vegetation to rainfall (such as pavement or dirt). The City of Environment and Conservation (TDEC) req leak, in any amount, to the water or soil. Cont (215-4147) and the TDEC toll-free number in	on, wildlife, or an outdoor surface exposed y of Knoxville and Tennessee Department uire immediate notification of any spill or fact the Knoxville Water Quality Hotline
	The terms "reportable quantity" or "RQ" (com USDOT and RCRA) do not apply to stormwat City of Knoxville or TDEC. The owner or ope regulations to determine how RQ's apply for the	er monitoring and protection efforts of the erator should consult appropriate federal
	Leaks and spills will require a different respon or chemical. Make sure that each employee kr material used, and what is the appropriate resp significant spill should be defined after review and any other documentation that presents the Typical instructions for a significant spill or le and to place life and safety first. A minor spill materials located nearby, without a loss of safe	nows what a "significant spill" is for each onse for significant and minor spills. A of the material safety data sheets (MSDS) contents and proper handling procedures. ak will be to call for emergency responders I can usually be handled by spill prevention
	General Measures	
	Educate employees and subcontractors on environment from spills and leaks. Train of procedures for the site. Hazardous materia containers and protected from vandalism.	employees in spill prevention and cleanup
	Establish a continuing education program regular meetings to discuss and reinforce a (incorporate into regular safety or producti for each material commonly used.	
	Designate a foreman or supervisor to overse control measures. Place a stockpile of spil accessible. Instruct all employees on locat each employee knows that he is responsible containment materials. Do not charge or of use containment materials in the event of a	Il cleanup materials where it will be readily tions of cleanup materials. Make sure that le to control leaks and spills using spill otherwise garnish pay for employees that
	Cleanup	
	which is part of the Employee Training BM	ever hose down or bury dry material spills. ves for specific wastes, see Table AM-01-1 MP fact sheet. Consult AM-15, Vehicle and and Equipment Maintenance, for additional
	On paved surfaces, clean up spills with as spills, a damp mop for general cleanup, an spilled material is hazardous, then cleanup sent to either a certified laundry or dispose	d absorbent material for larger spills. If materials are also hazardous and must be
	 Minor Spills 	
	Minor spills typically involve small quanti be safely controlled by the first responder	ities of oil, gasoline, paint, etc. which can at the discovery of the spill. Use absorbent

ACTIVITY: S	Spill Prevention and Control
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materials on small spills rather than hosing down or burying the spill. Remove the absorbent materials promptly and dispose of properly. The practice commonly followed for a minor spill is:

- 1. Contain the spread of the spill.
- 2. Recover spilled materials.
- 3. Clean contaminated area and properly dispose of contaminated materials.
- Significant Spills

Some significant spills may still be controlled by the first responder along with the aid of other personnel on site. This response will require the immediate cessation of all other activities to clean up spills immediately. The practice commonly followed for a significant spill is:

- 1. Notify the site owner or foreman immediately. Immediate notification to authorities is required for all significant spills. In addition, a written report and other information are generally required during and after the incident.
- 2. Determine if available spill response personnel are qualified to perform the cleanup in a safe manner. Alert additional trained personnel as necessary, including 911 for emergency response and/or a Hazmat team. Contact emergency numbers must be posted throughout facility. Table AM-07-1 contains a list of emergency and regulatory phone numbers for use in developing an emergency response plan.
- 3. Contain spread of the spill in a safe manner when possible. If required, the services of a spill cleanup contractor or Hazmat team shall be obtained immediately. Use a reputable licensed contractor to handle large spills.
- 4. If the spill occurs on paved or impermeable surfaces, clean up using dry methods (absorbent materials, cat litter, rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- 5. If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike. Dig up and properly dispose of contaminated soil after the incident is contained.
- 6. If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.
- For spills or leaks into a body of water or an adjoining shoreline, the contractor shall notify the TDEC general hotline (1-888-891-8332) and the Knoxville Water Quality Hotline (215-4147).
- MaintenanceKeep ample supplies of spill control and cleanup materials on site and available.Update SPCC Plan and MSDS sheets as changes occur in types of chemicals used.
- **Limitations** Procedures and practices presented in this BMP are general. The site owner/ contractor shall identify appropriate practices for specific materials used or stored at the project site.

References 30, 31, 33, 34, 35, 100, 137 (see BMP Manual Chapter 10 for list)