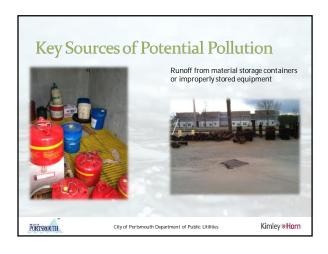
Implementation of the Storm Water Pollution Prevention Plan (SWPPP) for the Public Utilities Maintenance Facility TRAINING SESSION City of Portsmouth Department of Public Utilities Kimley **Horn

Purpose of the SWPPP Pollution Sources and Best Management Practices Types of Spills What to do in case of a spill SWPPP Team and Responsibilities City of Pertsmouth Department of Public Utilities Kimley »Horn

Purpose of the SWPPP • Provides City staff with the tools to reduce pollutants contained in stormwater discharges to levels that comply with the requirements of the General Storm Water Permit issued by the State of Virginia • Helps the City ensure compliance with the requirements of the MS4 permit • Avoid fines • Minimize stress



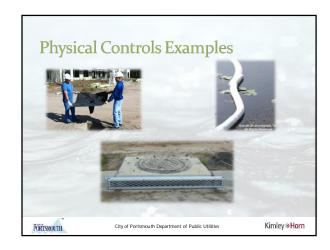






Procedures and physical controls put in place to minimize pollutants in stormwater leaving the facility Behavioral Controls (Housekeeping) Physical Controls Inlet filters Settling ponds Absorbent materials Silt fence Intentional vegetation Stone or gravel

Behavioral Controls - Housekeeping **Indoors** <u>Outdoors</u> Use available spill DO NOT store oil filled equipment to manage small spills equipment outside Cover bulk containers Wash down pavement into internal storm when they are not being loaded drains, not out the doors Inspect tanks, lines and Work on vehicles indoors as much as drums for leaks each possible month Thoroughly clean area Sweep grinding/cutting when work must be debris and dispose in done outdoors trash cans Kimley » Horn PORTSMOUTH City of Portsmouth Department of Public Utilities





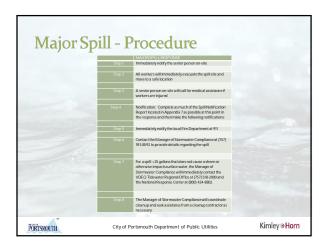
Min	or Spill - Definition			
a.	Minor Spill Response			
	A "minor" spill response is defined as one that poses no significant har or the environment. These spills involve generally less than 25 gallons cleamed up by facility personnel. Other characteristics of a minor spill following:	and can be		
	i. The spilled material is easily stopped or controlled at the time of	of the spill		
	ii. The spill is localized			
	iii. The spilled material does not reach surface water or groundwar	ter		
	iv. There is little danger to human health			
	v. There is little danger of fire or explosion			
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Minor Spi Stop any fluid immediately Use Sphag Soup oily residuspills Use spill kit fi spills/acciden	orb to clean te and small or larger		Mas
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Majo	or Spill - Definition			
a.	Major Spill Response (Spill Emergency) 40 CFR 112.7(a)(3)(vi)	- 6		
	A "Spill Emergency" is defined as one involving a spill that cannot be safely controlled or cleaned up and will typically involve greater than 25 gallons. Characteristics include any of the following:			
	 The spill is large enough to spread beyond the immediate than 25 gallons 	spill area or greater		
	ii. The spilled material passes into the storm sewer (regardle	ess of size)		
	iii. The spill requires special training and equipment to clean	up		
	iv. The spilled material is dangerous to human health; or There is a danger of fire or explosion			
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Major Spill - Action • Stop any fluid spills immediately • Deploy absorptive material (socks, pillows, pads) to inlets, ditches adjacent to the spill site • Call the Stormwater Compliance Manager and 911



Major Spill - Reporting Spills to soil in excess of 25 gallons must be reported to DEQ within 24 hours of discovery Spills to waters/wetlands of any amount must be reported to DEQ immediately upon discovery Spills in excess of 25 gallons to soil or to waters must also include a 5-day follow up-letter to DEQ Include description of the nature and location of the discharge, cause of the discharge, date, duration of discharge (if stopped), expected duration (if continuing), volume (if stopped), and expected volume (if continuing). Any steps planned or taken to reduce, eliminate and prevent a recurrence of the discharge or any future discharges not authorized by the permit



Stormwater Compliance Manager Responsibilities • Oversight • Quarterly routine inspection • Quarterly visual monitoring inspection • Annual comprehensive facility compliance inspection

Quarterly Routine Facility Inspection Ouarterly inspection of the yard for evidence of spills, leaks, or discharges of material other than stormwater from outfalls Review stormwater protection measures to ensure they are available, in place, and/or functioning of 4 inspections must occur during a qualifying rain event Check for correct storage of materials and general housekeeping Results from each Routine Facility Inspection are to be kept in the SWPPP in Appendix 4 KKINSULTI City of Pertsmouth Department of Public Utilities Kimley **Horn*

Quarterly Visual Monitoring Inspection

- Must occur after the outfalls begin discharging and within 30 minutes of the onset of rainfall
- Rainfall event triggering the inspection must occur at least 72 hours since last rainfall
- Outfalls are inspected for stormwater:
 - Color, door, foam, oil sheens, other obvious indicators of stormwater pollution
- Results of inspection kept in SWPPP in Appendix 4

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Annual Comprehensive Facility Compliance Evaluation

- Performed once per year
- "Audit" of the facility activities, monitoring, reporting and SWPPP record keeping
- Corrective actions identified during the Comprehensive Facility Compliance Evaluation shall be undertaken as soon as practicable
- Changes to the SWPPP resulting from the Comprehensive Facility Compliance Evaluation will be made within 30 days of the findings
- Comprehensive Facility Compliance Evaluation forms are to be kept in *Appendix 4*

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General Staff Responsibilities

- Ensure installed stormwater protective measures (covers, grates, filters) are properly replaced, following removal to perform work
- Manage and stop spills (drip pans, emergency shutoffs, spill kits)
- Report any spills observed on the facility to your supervisor
- Protect chemicals, fuels, lubricants, and any other stored materials from rainwater
- Supervise material pick-ups and deliveries

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The Public Utilities Facility: Overview

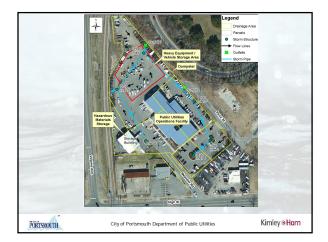
- Two major drainage areasOne sheet flow area

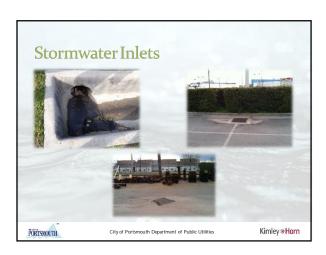
 - One area with point source discharges
- Five inlets to subsurface drainage features
- One point source discharge
- One aboveground generator stored outside the building
- One bulk chemical storage building
- Large parking and storage areas

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What We've Seen Today • An overview of why we've put the SWPPP in place • Pollutant Sources and Prevention • Spill Clean-up and Reporting • SWPPP Team and Responsibilities City of Portsmouth Department of Public Utilities Kimley **Horn

