



VILLAGE OF ROCKTON
EMPLOYEE TRAINING FOR MUNICIPAL STORM
WATER POLLUTION PREVENTION

Public Works

GOALS & OBJECTIVES

- ENHANCE EMPLOYEE AWARENESS OF:
 - Regulatory Background
 - Pollution Prevention
 - Good Housekeeping



TRAINING AGENDA

- Goals and Objectives
 - Regulations
- Storm Water Pollution Prevention
 - (SWPP) Training

REGULATIONS – BACKGROUND

- 1972: The clean water act is established to protect Rivers, Lakes, and Streams from Industrial waste waters.
- 1980's: The national urban runoff program is conducted by the EPA. The results indicate “a significant portion of water pollution comes from contaminated storm water runoff”. It is determined that this is a direct result of inadequate control of materials like OILS, FUELS, and Solids.
 - 1990: The EPA issues regulations for storm water discharge.

REGULATIONS – ILR40 MS4 PERMIT

- Point sources of pollution are regulated by the EPA under the National Discharge Elimination System (NPDES).
 - In Illinois, the NPDES program authority is the IEPA.
- The IEPA has issued the general NPDES permit No. ILR40.
 - The current permit is in effect until March 31, 2019

REGULATIONS – ILR40 REQUIREMENTS

- The Village is required to:
 - Develop, Implement, and enforce a storm water management program(SWMP).
- Submit a completed Notice of Intent (NOI) to the IEPA to apply for permit coverage.
 - Submit an annual report to IEPA each June for the previous year
 - (March – to March).

SWPP TRAINING

POLLUTANT SOURCES

- What is a pollutant?
 - Anything other than storm water.
- ILR40 does allow discharges from sources such as hydrant flushing and irrigation water. See list in permit.



SWPP TRAINING

POLLUTION PREVENTION BASICS

- How do you prevent storm water pollution?
 - Eliminate pollutants as much as possible.
- Reduce the production and use of potential pollutants as much as possible.
 - Contain any pollutants before they get to the storm sewer system or any water of the State.

SWPP TRAINING

POTENTIAL POLLUTANT SOURCES (CONTINUED)

- Outdoor dumpsters
- Outdoor maintenance activities
- Misc. equipment stored outside
 - Diesel and gasoline tanks
- Work sites dirt and concrete or asphalt spoil

SWPP TRAINING

POTENTIAL POLLUTANT SOURCES

- Waste materials stored outside
 - Landscaping wastes
- Road maintenance wastes
 - Street sweepings
 - Drainage from rooftops
 - Parking lot runoff
 - Road salt
- Vehicle oils and Lubricants

SWPP TRAINING

PUBLIC WORKS EMPLOYEES DUTIES

- Follow the operations of the Village in accordance with the storm water plan criteria.
- Constantly evaluate the effect of activities at the Village on the quality of the storm water discharged from any Village site.
- Lead efforts to implement pollution prevention practices within the Village.

SWPP TRAINING

PUBLIC WORKS EMPLOYEES DUTIES (CONT.)

- Establish and maintain a clear line of communication with the Public Works Director. Inform Director of any issues or problems when found.
- Inspect all material storage and equipment areas on a routine basis (i.e. general conditions, spills/leaks, ect.)
- Report to Director any work site within the Village that may not be following storm water prevention practices.

SPILL RESPONSE PROCEDURES

WHAT TO DO IF THERE IS A SPILL?

- In the event of a significant spill or release of pollutants:
 - First assure safety of employees and public.
- Think safety first! If spill is beyond the Village resource's, do not hesitate to contact the Fire Department at 911.
- Safely identify type of material spilled and look for a simple solution to stop the release at the source. (shutting valves / containment)
 - Protect all drains and sewer inlets.
 - Notify Public Works Director
- Proceed with appropriate clean-up procedures.

SWWP TRAINING

POST CLEAN-UP PROCEDURES

- Notification and reports submitted to outside agencies. Contact supervisor or FGA for assistance.
 - Arrange for proper disposal of any waste material generated by spill.
 - Review spill response procedures for adequacy during spill event.
 - Change or update procedures as necessary.

SWPP TRAINING

BEST MANAGEMENT PRACTICES (BMPS)

- Park and open space maintenance
- Do not apply herbicides, pesticides, or other chemicals in environmentally sensitive areas.
 - Dispose of landscape and dig spoil wastes properly.
 - Keep road sides and parks free from debris and trash.
- Keep vehicle and equipment maintenance up to date to reduce leaks.
 - FLEET and BUILDING MAINTENANCE
 - Perform all vehicle maintenance indoors, clean up leaks/spills ASAP.
 - Wash all vehicles in doors not outdoors
- Any vehicles/equipment stored outdoors should be inspected for leaks.

SWPP TRAINING

BEST MANAGEMENT PRACTICES (BMPS) (CONT.)

- OPERATION OF STORAGE YARDS
- Dispose of materials that will not be need for future use.
 - Materials stored outside should be contained.
 - Direct storm water away from stored materials.
- SNOWDISPOSAL
 - Pile snow away from sensitive environmental areas.
- If stored, store in a location where pollutants and debris can be collected and disposed of during and after the snow melts.

SWPP TRAINING

BEST MANAGEMENT PRACTICES (CONT.)

- NEW CONSTRUCTION/LAND DISTURBANCE
 - Minimize disturbed area
- Stabilize disturbed areas (seeding, aggregate base course)
 - Use appropriate BMPs to contain sediments on site.
 - STORM WATER SYSTEM MAINTENANCE
 - Keep system free of sediment, debris, ect..
 - Take solid wastes to an approved landfill.
 - Maintain a storm sewer map and cleaning program.

SWPP TRAINING

BEST MANAGEMENT PRACTICES (CONT.)

- MATERIAL INVENTORY
- Ensure proper response equipment and material is available.
 - MATERIAL HANDLING and Storage
 - Stack containers properly.
 - Store containers on pallets when possible.
- Do not store containers near drains or inlets with out proper containment.

SWPP TRAINING

BEST MANAGEMENT PRACTICES (CONT.)

- HOUSEKEEPING PRACTICES
 - Routine clean up and waste disposal.
- Clean up spills which occur during material handling to prevent accumulation and storm water contamination.
 - Keep waste containers closed and secure at all times.
 - Keep a spill kit on hand and stocked.

SWPP TRAINING

BEST MANAGEMENT PRACTICES (CONT.)

- PREVENTATIVE MAINTENANCE
 - Routinely inspect Village properties, vehicles and equipment.
 - Document and maintain a record of inspections.
 - Perform a follow up inspection with immediate correction of any leaks or defects found on equipment or vehicles.

SWPP TRAINING

BEST MANAGEMENT PRACTICES (CONT.)

- INSPECTIONS
- Daily awareness inspections (non-documented)
 - Storm water outfalls
 - Annually (documented)
- Dry weather and after rain event inspections.

TRAINING SUMMARY

- Identify some storm water pollutant's.
- List ways to prevent or contain pollutants.
 - What are the steps in a spill response.
 - How do you dispose of pollutants?
- Who is responsible for identifying spills and leaks?