

ENVIRONMENTAL MANAGEMENT PROGRAM

1. PROGRAM NAME: NIEHS Stormwater Program

2. Significant Environmental Aspect(s):

Stormwater releases
Soil or Groundwater contamination
Ecological disturbance

3. Document Control Code: EMP-2007-Stormwater

4. Date: 08/29/2007

5. Program Lead:
Bill Steinmetz – HSB
Bob Roe – ORF/FOB
David Sawyer – ORF/FOB

6. Goals and Objectives

Five-year Goals(s):

Annual Objective(s):

Performance Indicator(s)

Resource requirements

Replace rip-rap at the ends of sluiceways in the Memorial Gardens area and elsewhere to reduce stormwater velocity upon entering the NIEHS Lake

Maintain compliance with North Carolina stormwater permit

Results of regulatory compliance inspections and internal audits

Current resources

Maintain compliance with federal and state stormwater regulations

Results of regulatory compliance inspections and internal audits

Current resources

Maintain compliance with SPCC requirements

SPCC Plan is modified to include new tanks and certified by a professional engineer as needed

Current resources

7. Reason(s) for Significance:

Potential environmental impact
Legal and regulatory requirements

8. Potential Environmental Impacts:

Potential for soil and lakeshore erosion
Detrimental impact on aquatic life and waterfowl in and around the NIEHS Lake

9. Legal and Other Requirements (Specify):

State: North Carolina Division of Water Quality NPDES Individual Stormwater Permit

10. Program Description:

The NIEHS holds an individual National Pollutant Discharge Elimination System (NPDES) stormwater permit issued by the State of North Carolina. The permit allows the operation of oil water separators and discharge of stormwater into receiving waters, which are designated as the NIEHS Lake to Burdens Creek. The permit mandates periodic sampling of NIEHS stormwater discharge for a variety of pollutants including aluminum, chemical oxygen demand, and pH. Semiannual visual evaluations of stormwater discharge through the representative outfall are also required.

The NIEHS is committed to pollution prevention activities that focus on preventing contamination of the NIEHS stormwater discharge and reducing the potential for erosion. These activities are documented in the Stormwater Management Plan.

11. Operational Controls

Activity	Controls	Responsible Party / Job Function	Monitoring	Records	Comments
Drainage of AST containment basins through the oil / water separator systems	40 CRF Part 112 NIEHS SPCC Plan	NVT Operators NVT Maintenance Supervisor ORF/FOB NVT Project Officer HSB Environmental Compliance Officer	Collected rainwater evaluated for sheen prior to release	Rainwater release forms	
Petroleum product deliveries via tanker truck	DOT Requirements 40 CFR Part 112 NIEHS SPCC Plan	NVT Utility Operators NVT Operations Supervisor ORF/FOB NVT Project Officer ASAB Transportation Specialist	SPCC requires government or contract personnel present during all petroleum deliveries High level alarms	Product delivery records SPCC / stormwater management training attendance records	
Chemical deliveries to the various loading docks and delivery points	NIEHS Stormwater Management Plan	Delivery personnel and Government/contract staff that receive deliveries HSB Hazardous Waste Manager	Presence of government or contract personnel during chemical deliveries	NIEHS Spill Release Reports Emergency Documentation Sheets	
Activities that generate authorized non-stormwater discharges	NIEHS Stormwater Management Plan State and federal water quality regulations	Personnel involved in activities that generate authorized non-stormwater discharges HSB Environmental Compliance Officer	Presence of government or contract personnel during authorized non-stormwater discharges	Authorized discharges are typically not recorded, except for fire suppression activities and large potable water leaks	
Activities that generate unauthorized non-stormwater discharges	NIEHS Stormwater Management Plan State and federal water quality regulations	Personnel involved in activities that generate unauthorized non-stormwater discharges HSB Environmental Compliance Officer	Presence of government or contract personnel during unauthorized non-stormwater discharges	Spill release reports, letters and reports submitted to the NCDWQ	

12. Action Plan: Structure, Authorities, Responsibilities		
Targets/Milestones to meet Annual Objectives	Timeframe	Responsibility
Visually inspect aboveground storage tanks and containments	Monthly	Environmental Compliance Officer / HSB
Perform semiannual site inspection	Semiannual	Environmental Compliance Officer / HSB
Visually evaluate stormwater discharged through the representative outfall	Semiannual	Environmental Compliance Officer / HSB
Visually inspect the dam and associated outfall	Annual	Environmental Compliance Officer / HSB
Conduct annual SPCC and Stormwater Management training	Annual	Environmental Compliance Officer / HSB
Collect stormwater samples from the representative outfall	Variable	Environmental Compliance Officer / HSB
13. Relevant Document(s)		
Document Name	Location	Document Custodian
NCDWQ NPDES Stormwater Permit	Hardcopy, electronic	Environmental Compliance Officer / HSB
NIEHS Stormwater Management Plan	Hardcopy, electronic	Environmental Compliance Officer / HSB
RCRA Contingency Plan	Hardcopy, electronic	Hazardous Waste Manager / HSB
SPCC Plan	Hardcopy, electronic	Environmental Compliance Officer / HSB
14. Competence of persons responsible		
Title	Basis for Competence	
HSB / Environmental Compliance Specialist	Professional level education and experience	
HSB / Hazardous Materials Manager	Professional level education and experience	
NIH / ORF/FOB NVT Project Officer	Qualified experience and on-the-job-training	
NVT Operations Supervisor	Qualified experience and on-the-job training	
NVT Incinerator and Utility Operators	On-the-job training / Introductory and refresher training (RCRA Contingency/SPCC)	
15. EMS Review		
Name / Signature:	William K. Steinmetz	
Date:	November 29, 2007	