Town of Millington, Maryland

Wastewater System

Operations Emergency Action Plan

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OPERATIONAL EMERGENCY RESPONSE PLAN FOR
TOWN OF MILLINGTON
WASTEWATER TREATMENT PLANT

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OPERATIONS EMERGENCY RESPONSE PLAN FOR THE
TOWN OF MILLINGTON
WASTEWATER TREATMENT PLANT

A. Description of the Wastewater Systems

The Millington Waste Water Treatment Plant is located on Route 313, 227 Sassafras Street, Millington, Maryland. The wastewater treatment system is permitted to treat up to 105,000 gallons per day and is a biolac system.

WASTEWATER SYSTEM

Collection System
The raw wastewater is pumped from the Kent County sides of the Town and into gravity fed sewer mains that lead to the wastewater facility. There are grinder pumping stations located at those connections outside of Town limits and are operated and maintained by Kent County Public Works.

Wastewater Treatment System
The raw wastewater flow enters an influent wet well where sewage is pumped to the barscreen unit. From the barscreen unit the flow enters the biolac tank and travels thru a series of oxic and anoxic zones. After the biolac unit the flow falls into two clarifiers where sludge is pumped to a digester unit from the bottom of the clarifier. The flow discharged from the clarifier enters a cloth disk that filters out any colloidal solids and travels to a UV unit to sterilize any pathogenic organisms present. After the UV system, the treated flow flows from the final effluent structure to the Sassafras River.

B. Possible emergencies that could interrupt service:

b. Storm events- High winds, ice, hurricanes, tornados, or heavy rains could possibly interrupt service. These events could cause loss of power, spills, and other damage to the infrastructure.

c. Power outages- power outages could be caused by storms or failures at the pump stations and wastewater treatment plant.

d. Fire- Fire damage could result from storms, electrical failures, improper chemical usage, and storage and or arson.

e. Chemical release- Chemical spills could cause the evacuation of the facilities until such time the problem can be corrected, and the spilled materials are contained and safely removed for disposal.

C. Treatment Chemicals Stored on Site:

a. Wastewater Plant

1. Aluminum Sulfate
2. Lime
3. Potassium Permanganate

D. Back Up Equipment

a. Wastewater System

The wastewater facility has a backup emergency generator.

E. Safety Equipment:

a. Fire Extinguishers
b. Face Shields
c. PPE Gloves
d. Eye Wash Station
e. Chemical Apron
f. First Aid Kit

F. Responses:

a. Storm Event

In the event of a storm, the wastewater system should generally not be affected. It is also connected to the emergency generator unit. There is wireless alarm system at the wastewater facility that will notify operators when there is a high or low level in the surge tank.

b. Power Outage

The wastewater treatment facility has an emergency generator. The generator can be refueled as needed to maintain power. There is wireless alarm system at the wastewater facility that will notify operators when there is a high or low level in the surge tank.

c. Fire

The local fire department will respond.

d. Chemical Spills

Any chemical spills that could occur would be contained onsite at the wastewater buildings. A spill kit is available at the wastewater plant. The chemicals could then be cleaned up according to State guidelines. The chemicals could be neutralized or diluted with water and then either be removed by absorbent pads or removed by a vacuum truck. There is an absorbent spill kit on site if needed.

e. Sewage Spills

In the event of sewage spill the Maryland Department of the Environment, and the Maryland Environmental Service would be notified. The spill would be cleaned up with a vacuum truck and the area limed as needed.

G. Emergency Contact Phone Number

POWER COMPANY:

Delmarva Power 1-800-898-8045

CONTRACTORS: (List of contractors: Electricians, Instrumentation Technician, Pipe repair, vacuum trucks, etc.)

Susquehanna Operational Services, 443-252-1410
Mr. Rooter Septic Service 410.820.8701

EMPLOYEE CONTACTS:

George Smith, Susquehanna Operational Services, 443-252-1410
Ron Thomas, Susquehanna Operational Services, 443-406-5583
Chris McAfee, Susquehanna Operational Services, 443-497-0933

FIRE DEPARTMENT CONTACTS:

Fire Rescue & EMS Division: 911

LAW ENFORCEMENT CONTACTS

QUEEN ANNES SHERRIFS OFFICE: 410-758-0770
KENTCOUNTY SHERRIFS OFFICE: 410-778-2279
STATE POLICE: 410-758-1101
FBI: 410-265-8080

HEALTH DEPARTMENT

QUEEN ANNES COUNTY: 410-758-1083
KENT COUNTY: 410-778-1350

OFFICE CONTACTS:

Town of Millington
402 Cypress Street
P O Box 330
Millington, MD 21651
(410) 928-3880 phone