



Guidelines for BSL-1 & BSL-2 Biosafety Plan Industrial Pretreatment Program Durham County Triangle WWTP

1. GENERAL INFORMATION:

Facility name & address; facility contact(s) & phone number(s); nature of business; and the number of BSL1 and/or BSL2 laboratories you have on-site. *PLEASE NOTE: BSL-3 and BSL-4 laboratories will require a specific plan and should contact the Durham County Compliance Manager at (919) 560-9033.*

2. STORAGE:

Describe how the facility will store biowaste prior to decontamination to ensure the waste is not discharged to the sanitary sewer system.

Example: These liquids must be stored in closed, leak proof containers while awaiting treatment and disposal. Collection vessels should be secured so that they cannot be tipped over. Secondary containment is strongly recommended and can be achieved by placing the vessel in a bucket or deep tray.

3. TREATMENT & DISPOSAL:

Describe how waste will be decontaminated and disposed of. *PLEASE NOTE: If chemical disinfection other than 10% bleach solution or autoclave is being used, prior approval from the Publicly Owned Treatment Works (POTW) Director is required.*

Example: Liquid wastes may be treated and disposed of by one of the following methods:

3.1 - Chemical treatment of liquids with disinfectant; disposal via lab sink

Disinfectants may be used for treatment of liquid biological waste. Add household bleach to the collection vessel so that the bleach (6% sodium hypochlorite) makes 10% of the final volume. Allow a contact time of at least 30 minutes. Carefully discharge the mixture to the sanitary sewer by way of the lab sink, then thoroughly rinse down the sink with water.

3.2 - Autoclave treatment of liquids; disposal via lab sink Place the closed collection vessel in a secondary container and transport by cart to the autoclave facilities. Treat by autoclave using the liquids cycle. Discharge cooled, treated liquids to the sanitary sewer by way of the lab sink.

4. NOTIFICATION AND REPORTING PROCEDURES:

In the event of any discharge that may adversely impact the POTW, the User shall notify Durham County according to the following procedure. Such discharges may include but are not limited to accidental discharges; discharges of a non-routine, episodic nature; non-customary batch discharges; slug loads; pretreatment system upsets; pretreatment system bypasses; slug loads; or spills to the sanitary sewer system.

4.1 - VERBAL NOTIFICATION

Verbal notification shall be made immediately within 24-hours of occurrence by the fastest means of communication available (generally by telephone) to your POTW representative. **Afterhours Emergencies: Call 919-560-9033.** Notification shall include the location of the discharge; date and time thereof; type of waste, concentration and volume of the waste; and corrective actions taken. The Durham County Sill Report Form shall be submitted as a record of the verbal notification.

4.2 - WRITTEN NOTIFICATION

Within five (5) days following an accidental discharge, the permittee shall submit a detailed written report describing the cause(s) of the discharge and the measures to be taken to prevent similar future occurrences. Reports shall address (at a minimum) the following:

- Time, date, and cause of the incident;
- Impact of the discharge to the POTW and the environment;
- Extent of injury and/or damage;
- How other incidents of this type can be avoided; and
- Evaluation of the adequacy of the User's response procedures.

The report shall be submitted to Durham County by email or the following address:

Durham County TWWTP
Compliance Manager
5926 NC Hwy 55 E.
Durham, NC 27713

5. TRAINING PROGRAM:

Assure that the Biosafety Plan is implemented by providing employee training. An outline of the training program given to employees should be a part of the Biosafety Plan.

6. CERTIFICATION:

A qualified professional responsible for preparing the Biosafety Plan and an Authorized Facility Representative shall certify the adequacy of the plan to prevent and control accidental releases without decontamination to the POTW. The Biosafety Plan shall include a certification statement such as the one below.

“Based on my inquiry of the person or persons directly responsible for managing compliance with the procedures in the Biosafety Plan, I certify that, to the best of my knowledge and belief, that this Biosafety Plan is appropriate for sewer discharge and that this facility is implementing the Biosafety Plan submitted to Durham County’s POTW.”

Signature of Authorized Facility Representative, Title, and Date