



Durham County Triangle WWTP Industrial Pretreatment Program

Guidelines for BSL 1 & BSL 2 Biosafety Plan

- 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:** How will the facility 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:** How will waste be decontaminated and disposed of. *PLEASE NOTE: If chemical disinfection other than 10% bleach solution or autoclave is being used, prior approval from the POTW Director is required.*

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

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.

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:** Description of notification and reporting procedures in the event materials are released into the sanitary sewer system without prior decontamination procedures notify Durham County immediately.

A. Durham County notification procedure for potential problems to the sanitary sewer:

In the event of any discharge that may adversely impact the Publicly Owned Treatment Works (POTW) or its staff, the User shall notify Durham County according to the following procedure.

1. VERBAL NOTIFICATION

Verbal notification shall be made immediately by the fastest means of communication available (generally by telephone). Notification shall include the date and time; type of waste, volume of the waste; and corrective actions taken.

Call 919-560-9033.

2. WRITTEN NOTIFICATION

Within five (5) days following the discharge, the permittee shall submit a detailed written report describing the cause(s) of the discharge without decontamination and the measures to be taken to prevent similar future occurrences. The report shall be submitted to:

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

B. Reports shall address (at a minimum) the following:

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

- 5. TRAINING PROGRAM:** Assurances that the Biosafety Plan is implemented by providing for 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 certification statements such as those shown 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