

WSU Tri-Cities Discharge Approval Application

V 2.0, 3-28-13

Submitted By:			
Building & Room:		Location of Drain:	

Description of waste being discharged:			
Description of process generating waste :			
Quantity of waste to discharge:		Frequency of discharge:	
List <u>all</u> constituents of the waste to be discharged, and their percentages (Total must be 100% - attach additional page if necessary)			
Constituents			Estimated Percentage
Water			

Does the waste contain undissolved solids? Yes No

If yes, describe: _____

Does the waste contain any biological material? Yes No

If yes, describe: _____

Does the waste contain any radioactive material? Yes No

If yes, describe: _____

Does the waste contain any dye(s)? Yes No

Does the waste contain any of the materials listed in Table 1 (on page 2)? Yes No

If yes, describe: _____

Temperature (range): _____ pH or pH range: _____

BOD (range): _____

Hazard(s): Flammable Corrosive Toxic Other: _____

Answer all questions above as completely as possible. Attach additional pages as necessary. Contact EH&S at 2-7163 for assistance.

Send completed forms to EH&S for processing. E-mail stomren@tricity.wsu.edu or deliver through campus mail.

WSU Tri-Cities Discharge Approval Application Instructions

V 1.0, 3-28-13

1. **Submitted by:** Enter the name of the person submitting the application. This should be the person primarily responsible for the generation/disposal of the waste.
2. **Building & Room:** Enter the building name and room number where the waste is generated and disposed.
3. **Location of Drain:** Describe the drain where the waste will be discharged (for example, sink at north end of center lab bench).
4. **Description of Waste:** Provide a complete description of the waste to be discharged, including expected products of any chemical or biological reactions associated with the process.
5. **Description of Process Generating Waste:** a short description of the procedure/equipment which produces the waste.
6. **Quantity of Waste to Discharge:** Approximate volume of waste to be discharged at one time.
7. **Frequency of discharge:** How often the volume from #6 will be discharged.
8. **List all constituents of the waste:** Identify all components of the waste (including water), and provide an estimated percentage of each of the identified components. Identify any constituents/reaction products which are expected but may not be quantified. Any of these constituents should also be included in the "Description of Waste", above.
9. **Does the waste contain undissolved solids:** Indicate whether solids are present in the waste, including any precipitate, sediment, plant material, etc.
10. **Does the waste contain biological material:** Indicate whether the waste includes any living material, including enzymes, proteins, bacteria, viruses, fungi, plant, animal, or human blood/tissue.
11. **Does the waste contain radioactive material:** Indicate whether the waste includes any radioactive isotopes above natural background levels
12. **Does the waste contain dye(s):** Indicate whether any stains or dyes have been added to impart color to the waste.
13. **Does the waste contain any of the materials listed in Table 1:** Refer to Table 1 below, and indicate if any of these compounds are present in the waste to be discharged.
14. **Temperature and pH:** Indicate the approximate temperature and pH of the waste at the point of generation.
15. **Hazard(s):** Indicate the primary hazard(s) of the waste at the point of generation. Flammable wastes include anything with closed cup flashpoint below 140 degrees F. Corrosive wastes include anything with a pH of 2 or less, or 12.5 or greater. Toxic wastes include anything with toxicities exceeding those in Table 2, below.

Table 1	
Arsenic	Molybdenum
Cadmium	Nickel
Chromium	Selenium
Copper	Silver
Lead	Zinc
Mercury	

Table 2	
Oral Rat LD ₅₀	5,000 mg/kg or less
Dermal Rabbit LD ₅₀	20,000 mg/kg or less
Inhalation Rat LC ₅₀ (1 hour or more)	200 mg/kg or less
Fish LC ₅₀ (24 hour or more)	100 mg/kg or less