



## GLOBAL WATER RESOURCES (“GLOBAL WATER”)

### DESIGN STANDARD

#### DRY CLEANING OPERATIONS

##### APPLICATION

This Design Standard defines the requirements for managing waste discharged directly or indirectly into a sewer connected to a sewage facility from dry cleaning businesses, or other facilities employing solvent or chemical cleaning routines.

Definitions are included in Design Standard, Definitions.

##### DISCHARGE REGULATIONS

An operator of a dry cleaning operation shall not discharge waste, which at the point of discharge into a sewer contains:

- a. Tetrachloroethylene;
- b. petroleum solvents;
- c. Lint
- d. exceeds the limits established in Design Standard, Definitions for restricted wastes; or
- e. includes prohibited waste, special waste, storm water, or uncontaminated water.

An operator of a dry cleaning operation that generates wastewater containing tetrachloroethylene or petroleum solvent shall either:

- a. Collect and transport the wastewater from the dry cleaning operation for off-site waste management; or
- b. Install and maintain a solvent/water separator and holding tank in accordance with this Design Standard.



### Solvent/Water Separators and Holding Tanks

Solvent/water separator and holding tank installations must conform to the requirements of this Design Standard.

An operator of a dry cleaning operation shall not directly discharge wastewater from the solvent/water separator to a Global Water-operated sewage facility

An operator of a dry cleaning operation must:

- a. Collect the wastewater discharged from a solvent/water separator into a transparent, solvent-compatible, holding tank with a containment capacity 25% larger than the total volume of the solvent/water separator; and
- b. Allow the wastewater to stand undisturbed for a period of not less than 12 hours following each operating date.

An operator of a dry cleaning operation must check the contents of the holding tank after the specified period of time has elapsed to determine whether the wastewater contains any visible residual solvent. If there is no visible residual solvent in the holding tank, the contents may be discharged to the sewer.

If the holding tank contains any visible tetrachloroethylene or petroleum solvent after the specified period of time, then the tetrachloroethylene or petroleum solvent must be separated and returned to the solvent recovery system. After the removal of all visible solvent, the wastewater may be discharged to the sanitary sewer.

### Visual Inspections

An operator of a dry cleaning operation must:

- a. Visually inspect the solvent/water separator on a daily basis; and
- b. Clean the solvent/water separator at least once every seven (7) days to manufacturer's standards.

### Spills and Leaks

An operator of a dry cleaning operation shall:

- a. install spill containment facilities in all chemical storage areas and around all dry cleaning machines;



- b. block off all sewer drains within the containment area for chemical storage and dry cleaning equipment to prevent any accidental discharge of solvent to a sewer;
- c. inspect all dry cleaning equipment for liquid leaks at least once per day.
- d. keep all equipment clean to ensure that leaks are visible.

The following areas and items are to be checked for leaks:

- a. hose connections, unions, couplings and valves
- b. machine door gasket and seating
- c. filter head gasket and seating
- d. pumps
- e. base tanks and storage
- f. solvent/water separators
- g. filter sludge recovery
- h. distillation unit
- i. diverter valves
- j. saturated lint in lint baskets
- k. holding tanks
- l. cartridge filters

An operator of a dry cleaning operation who detects any liquid leak from dry cleaning equipment or chemical storage must repair the leak within 72 hours and must immediately prevent any discharge of contaminants to a sewer.

#### **RECORD KEEPING AND RETENTION**

The following information shall be recorded in the record book:



- a. record of all inspections done by the operator, employees or other hired personnel;
- b. record of any liquid leaks detected and remedial action taken;
- c. record of solvent/water separator cleaning;
- d. record of holding tank cleaning and solvent transfer; and
- e. record of all other equipment maintenance and repair.

Every dry cleaning operation must keep a record book on site for inspection with records from the previous two years and must be available to Global Water upon request.