



TANKS at a LARGE QUANTITY GENERATOR - INSPECTION CHECKLIST

Environmental Audits/General #1.38, January 2000

The self audit checklists are designed to assist businesses by providing a low cost way of reviewing compliance with Minnesota's environmental laws and rules. Because the laws and rules are numerous and often complicated, this checklist cannot be a complete guide to your legal obligation. You may have obligations that are not covered on this checklist. If you have questions regarding this checklist, your obligations, or conditions you discover when you evaluate your business operations, please call the MPCA Hazardous Waste Hotline at (651) 297-8681.

I. GENERAL INSPECTION INFORMATION

Site Name:	EPA ID Number:
Address:	Waste Activity:
City:	Zip/9 Digit:
County:	District:
	Waste generated per month
Current Number of Employees:	Years in Business or Date Company Started:
Date of last MPCA Hazardous Waste Inspection: _____	
Inspection Date:	Time: From _____ to _____

LEAD INSPECTOR: _____	Phone # _____
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Use with checklist for a Large Quantity Generator, and attach thereto.

Information about tanks

Tank Identification	Description of waste	Waste Codes	Capacity



Note: All rules on this checklist are referenced by 7045.0292, Subp.1,B [Large Quantity Generator]

80: Storage Requirements			
Rule	Requirement	Compliance Status	Remarks
7045.0628 4, A	Do all tanks have secondary containment?		
7045.0628 4, C,1	Is secondary containment material compatible with stored waste?		
7045.0628 4, E,3	Is secondary containment free of cracks or gaps?		
7045.0628 4, C,3	Is there a leak detection system intact, able to detect a leak within 24 hours or the earliest possible time?		
7045.0628 4, E,1	Does secondary containment have adequate capacity (100% of volume of largest tank)?		
7045.0628 4, C,4	Is the secondary containment designed or operated to prevent inflow of precipitation OR for easy removal of precipitation?		
7045.0628 4, B,1	Is secondary containment constructed with liquid stops (caulking, coating) at the joints and is it lined or coated to prevent migration out of the system?		
7045.0628 4, H	Is ancillary equipment provided with secondary containment (trench, jacketed, double walled)?		
7045.0628 4, H,2	Does ancillary equipment have welded fittings or welded flange fittings that undergo documented daily visual inspections?		
7045.0628 9, A	Does the closure plan include the cleaning, dismantling and disposing of the tank systems?		
7045.0628 6, B,1	Do adequate spill prevention controls exist (check valves, dry disconnects, etc.)?		
7045.0628 6, B,2	Do adequate overfill controls exist (high level alarms, auto feed cutoff, etc.)?		
7045.0628 6, B,3	If tank is open, is adequate freeboard maintained to prevent overtopping by wave or wind action or by precipitation?		

**80: Storage Requirements**

Rule	Requirement	Compliance Status	Remarks
7045.0628 7, A	Is there a daily inspection (and schedule) which covers the following items: overfill, spill equipment, corrosion and degradation of tanks, degradation of secondary containment, the data gathered from monitoring equipment and leak detection systems, evidence of spills or leaks, ancillary equipment and secondary containment for ancillary equipment?		
7045.0628 7, B,1	If there is cathodic protection (USTs), are annual inspections made of the cathodic protection system to ensure proper functioning?		
7045.0628 7, B,2	If there is cathodic protection (USTs), are bi-monthly inspections/testing made of all sources of impressed current?		
7045.0628 7, C	Are annual inspections (and, if applicable, bi-monthly inspections) documented?		
7045.0628 8, B,2	Are leaks/spills into the secondary containment of the tank system detected and removed within 24 hours?		
7045.0628 8, D,1	Have releases to the environment (in excess of 1 lb.) been reported to the MPCA Commissioner within 24 hours of detection?		
7045.0628 8, E,3	If a tank system has leaked, was it repaired prior to returning the system to service?		
7045.0628 10, A	Has waste been treated, mixed or otherwise rendered nonreactive or not ignitable (except in emergency conditions)? OR		
7045.0628 10, B	If contents are ignitable or reactive, is the tank protected from conditions that may cause it to ignite (e.g. use of spark proof tools) or protected from contact with materials that may cause it to react? AND is the required NFPA buffer zone provided between the tank system and public ways or adjoining properties?		
7045.0628 3, A	Does the owner/operator have a certification by an independent professional engineer, attesting that the tank system design is adequate, waste and system materials are compatible and corrosion protection will be adequate.		

**80: Storage Requirements**

Rule	Requirement	Compliance Status	Remarks
7045.0628 3, G	Does the owner/operator have a certification of proper installation from an independent professional engineer or installation inspector?		
7045.0628 3, B	Does the certification of proper installation discuss: weld breaks, punctures, scrapes on protective coatings, cracks, corrosion, and other damage or inadequate construction?		
7045.0628 3, D	Can the owner/operator provide documentation that the tank and ancillary equipment was tightness tested prior to being placed in service?		