Tank System Inspection Report

Section A: Inspection Information

Inspection Date(s):	DNR Region:	DNR Inspector(s):

Section B: Facility Information

Facility Name	EPA ID Number	Facility ID (FID) Number

Street Address	City	ZIP Code

Section C: Tank Inventory

Tank Name or I.D. #	Installation Date	Capacity (gallons)	Type[1]	Construction Materials	Secondary Containment[2]	Waste Code(s)	Description

[1]Indicate AT (above ground tank), IT (in ground tank), OT (on ground tank) or UT (under ground tank), as defined in NR 660.10.
[2]Indicate Ext. Liner (external liner), Dble Wall (double walled tank), Vault, Other or None.

☐ If the tank is subject to small quantity generator requirements, complete Sections L and M.
☐ If the tank is subject to large quantity generator or treatment, storage or disposal facility requirements, complete Sections D – K and M.

Section D: Assessment of an Existing Tank System's Integrity

Note: All "NR" references are to the Wisconsin Administrative Code. When entering information into the Field Investigator Site Tracking (FIST) database, only enter the **bold** citation into the Code or Statute Citation field. Use NR 664 citations for licensed facilities; use NR 662.034(1)(a)2. for large generators, which requires LQGs to comply with NR 665 interim licensed facility standards.

NR 662.034(1)(a)2. **NR 664.0191(1)** NR 665.0191(1)	1. If the tank was installed before March 1, 1991 and does not meet the secondary containment requirements in Section F, is there a written assessment, certified by a PE, on file at the facility that determines the tank system is adequately designed and has sufficient structural strength and compatibility with the wastes to be stored or treated so that it will not collapse, rupture or fail? Date of the assessment:_____ If the tank was installed after March 1, 1991, go to Section E.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0191(2)** NR 665.0191(2)	2. Does the assessment consider all of the following? ☐ Design standards for construction of the tank and ancillary equipment. ☐ Hazardous characteristics for the wastes handled. ☐ Corrosion protection measures. ☐ The age of the tank system, either documented or estimated. ☐ Results of a leak test, internal inspection or other tank integrity examination.	☐ Yes ☐ No

Section E: Design and Installation of a New Tank System

NR 662.034(1)(a)2. **NR 664.0192(1)** NR 665.0192(1)	1. If the tank system was installed after March 1, 1991, has a written assessment been reviewed and certified by an independent, registered PE that the system has sufficient structural integrity and is acceptable for storing and treating hazardous waste? Date of the assessment:_____ If the tank was installed before March 1, 1991, go to Section F.	☐ Yes ☐ No ☐ N/A

NR 662.034(1)(a)2. **NR 664.0192(1)** NR 665.0192(1)	2. Does the written assessment include all of the following? ☐ Design standards for construction of the tank and ancillary equipment. ☐ Hazardous characteristics for the wastes handled. ☐ Where the external shell of a new metal tank or component is in contact with soil or water, all of the following factors affecting the potential for corrosion: ___ Soil moisture content, soil pH, soil sulfides level and soil resistivity. ___ Structure to soil potential. ___ Influence of nearby underground metal structures (piping). ___ Stray electric current. ___ Existing corrosion-protection measures (coating, cathodic protection). ☐ Where the external shell of a new metal tank or component is in contact with soil or water, the type and degree of external corrosion protection that are needed to ensure the integrity of the tank system, consisting of one or more of the following: ___ Corrosion-resistant materials of construction such as special alloys or fiberglass-reinforced plastic. ___ Corrosion-resistant coating with cathodic protection (impressed current or sacrificial anodes). ___ Electrical isolation devices (insulating joints and flanges). ☐ For underground tank system components likely to be affected by vehicular traffic, a determination of design or operational measures to protect the tank system against potential damage. ☐ Design considerations to ensure all of the following: ___ Tank foundations will maintain the load of a full tank. ___ Tank system is anchored to prevent floating or being dislodged if placed in a saturated zone. ___ Tank system will withstand effects of frost heave.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0192(2)** NR 665.0192(2)	3. Has an independent, qualified installation inspector or professional engineer inspected the system for structural damage or inadequate construction or installation such as weld breaks, punctures, scrapes of protective coatings and cracks before covering, enclosing or putting the new tank system in use?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0192(3)** NR 665.0192(3)	4. Are underground components completely backfilled with noncorrosive, porous and homogenous material that is compacted so the tank and piping are fully and uniformly supported?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0192(4)** NR 665.0192(4)	5. Was the tank system tested for tightness before it was covered, enclosed or put in use? ☐ Repairs were made as a result of the tightness test. Note: After a tank system that fully meets the secondary containment requirements is placed into use, it is no longer required to be tightness tested, per NR 665.0193(9).	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0192(5)** NR 665.0192(5)	6. Is ancillary equipment supported and protected against physical damage and excessive stress due to settlement, vibration, expansion or contraction?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0192(6)** NR 665.0192(6)	7. Is corrosion protection provided to ensure the integrity of the tank system?	☐Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0192(7)** NR 665.0192(7)	8. Are written statements regarding the certification of the design of the tank and the supervision of its installation kept at the facility?	☐ Yes ☐ No
Section F: Containment and Detection of Releases		
NR 662.034(1)(a)2. **NR 664.0190(1)** NR 665.0190(1)	1. Does the tank store or treat waste that meets both of the following? If YES, go to Question 9. ☐ The waste does not contain free liquids ☐ The waste is stored or treated inside a building with an impermeable floor	☐ Yes ☐ No

NR 662.034(1)(a)2. **NR 664.0193(1)(e)** NR 665.0193(1)(e)	2. If the tank stores or treats materials that became hazardous waste after March 1, 1991, does the tank meet containment and release detection requirements within 2 years of the waste becoming hazardous?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0193(3)** NR 665.0193(3)	3. Does the secondary containment system meet all of the following? ☐ Constructed of or lined with materials that are compatible with the wastes placed in the tank. ☐ Has sufficient strength and thickness to prevent failure due to pressure gradients, physical contact with the waste, climatic conditions and stresses of daily operation. ☐ Placed on a foundation or base that provides support to the secondary containment system and is capable of preventing failure due to settlement, compression or uplift. ☐ Is the leak-detection system designed and operated so it detects the failure of either the primary or secondary containment structure or the presence of a release within 24 hours or the earliest practicable time if a release cannot be detected within 24 hours. ☐ Sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills or precipitation.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0193(3)(d)** NR 665.0193(3)(d)	4. Is spilled waste and accumulated precipitation removed from the secondary containment system within 24 hours or in a timely manner if removal within 24 hours cannot be accomplished?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0193(5)(a)** NR 665.0193(5)(a)	5. Does the external liner system meet all of the following? ☐ Designed or operated to contain 100% of the capacity of the largest tank. ☐ Designed or operated to prevent run-on or infiltration of precipitation unless the collection system has capacity to contain precipitation from a 25 year, 24 hour storm. ☐ Free of cracks and gaps. ☐ Designed and installed to surround the tank completely and cover all surrounding earth likely to come in contact with the waste.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0193(5)(b)** NR 665.0193(5)(b)	6. Does the vault system meet all of the following? ☐ Designed and operated to contain 100% of the capacity of the largest tank. ☐ Designed or operated to prevent run-on or infiltration of precipitation unless the collection system has capacity to contain precipitation from a 25 year, 24 hour storm. ☐ Constructed with chemical resistant water stops in place at all joints. ☐ Provided with an impermeable interior coating or lining that is compatible with the stored waste and will prevent migration of waste into the concrete. ☐ Provided with a means to protect against the formation of and ignition of vapors within the vault if ignitable or reactive waste is stored or treated. ☐ Provided with an exterior moisture barrier or otherwise designed or operated to prevent migration of moisture into the vault if the vault is subject to hydraulic pressure.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0193(5)(c)** NR 665.0193(5)(c)	7. Does the double-walled tank meet all of the following? ☐ Designed as an integral structure so that the outer shell contains any release from the inner tank. ☐ If constructed of metal, protected from corrosion of the primary tank interior and of the external surface of the outer shell. ☐ Provided with a built-in continuous leak detection system capable of detecting a release within 24 hours or at the earliest practicable time.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0193(4)(d)** NR 665.0193(4)(d)	8. If the device is not an external liner, vault system or double-walled tank, has some other equivalent type of secondary containment been approved by the Department?	☐ Yes ☐ No ☐ N/A

NR 662.034(1)(a)2. **NR 664.0193(6)** NR 665.0193(6)	9. Does all ancillary equipment have secondary containment (trench, jacketing, double walled piping) except for the following if they are visually inspected for leaks on a daily basis: ☐ Aboveground piping, excluding flanges, joints, valves and other connections. ☐ Welded flanges, welded joints and welded connections. ☐ Sealless or magnetic coupling pumps and sealless valves. ☐ Pressurized aboveground piping systems with automatic shut-off devices (excess flow check valves, flow metering shutdown devices, loss of pressure actuated shut-off devices).	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0193(9)** NR 665.0193(9)	10. If the tank system does not meet the above secondary containment system requirements, has the owner or operator complied with the following? ☐ For non-enterable underground tanks, conduct a leak test at least annually. ☐ For other than non-enterable underground tanks, conduct a leak test or have a PE develop a schedule and procedure for assessing the overall condition of the tank system at a frequency to be determined by the operating conditions of the tank system. ☐ For ancillary equipment, a leak test or other integrity assessment conducted at least annually. ☐ The results of the assessments are maintained in the facility files.	☐ Yes ☐ No ☐ N/A
Section G: General Operating Requirements		
NR 662.034(1)(a)2. **NR 664.0194(1)** NR 665.0194(1)	1. Are any hazardous waste or treatment reagents placed into the tank system that will cause the tank, ancillary equipment or containment system to rupture, leak, corrode, or otherwise fail?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0194(2)** NR 665.0194(2)	2. Are the following controls and practices used to prevent spills and overflows from the tank or containment system? ☐ Spill prevention controls (check valves or dry disconnect couplings). ☐ Overfill prevention controls (level sensing devices, high level alarms, automatic feed cutoff or bypass to a standby tank). ☐ Maintenance of sufficient freeboard in uncovered tanks to prevent overtopping by wave or wind actions or precipitation.	☐ Yes ☐ No
NR 662.034(1)(c)	3. Does the large generator clearly label or mark each tank with the words, "Hazardous Waste"?	☐ Yes ☐ No ☐ N/A
NR 668.50(1)(b)2.	4. Does the treatment or storage facility clearly mark each tank with a description of its contents, the quantity of each hazardous waste received and the date each period of accumulation begins? ☐ Such information is recorded and maintained in the operating record instead of marking each tank.	☐ Yes ☐ No ☐ N/A
NR 668.50(2)	5. Has the treatment or storage facility stored waste for one year or less?	☐ Yes ☐ No ☐ N/A
NR 668.50(3)	6. If No to 5, has the treatment or storage facility documented that longer storage was necessary to facilitate proper recovery, treatment, or disposal?	☐ Yes ☐ No ☐ N/A
Section H: Inspections		
NR 662.034(1)(a)2. **NR 664.0195(1)** NR 665.0195(1)	1. Is overfill control equipment (waste-feed cutoff systems, bypass systems and drainage systems) inspected? ☐ For large quantity generators and interim licensed facilities, once each operating day. ☐ For licensed facilities, according to their inspection schedule.	☐ Yes ☐ No

NR 662.034(1)(a)2. **NR 664.0195(2)** NR 665.0195(2)	2. Are all of the following inspected at least once each operating day? ☐ Aboveground portions of the tank system to detect corrosion or releases of waste. ☐ Data gathered from monitoring and leak detection equipment (pressure or temperature gauges, monitoring wells) to ensure that the tank system is operated according to its design. ☐ The construction materials and the area immediately surrounding the externally accessible portion of the tank system, including the secondary containment system, to detect erosion or signs of hazardous waste releases (wet spots, dead vegetation).	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0195(3)** NR 665.0195(3)	3. Are cathodic protection systems inspected to ensure they are functioning properly? ☐ Confirmed the proper operation of the cathodic protection system within 6 months of the initial installation and annually thereafter. ☐ Inspect or test, or both, as appropriate, all sources of impressed current at least every other month.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0195(4)** NR 665.0195(4)	4. Does the treatment, storage or disposal facility document the inspections in the operating record?	☐ Yes ☐ No ☐ N/A
Section I: Response to Leaks or Spills		
	1. Has there been a leak or spill from the tank system or containment system? If NO, go to Section J.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196** NR 665.0196	2. Was the tank system or secondary containment system removed from service immediately?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(1)** NR 665.0196	3. Was the flow of hazardous waste into the tank system or secondary containment system stopped immediately and the system inspected to determine the cause of the release?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(2)(a)** NR 665.0196(2)(a)	4. If the release was from the tank system, did the owner or operator remove as much waste as necessary to prevent further releases and allow inspection and repair of the tank system within 24 hours after detection or at the earliest practicable time?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(2)(b)** NR 665.0196(2)(b)	5. If the material was released to a secondary containment system, was all released material removed within 24 hours or in a timely manner to prevent harm to human health and the environment?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(3)** NR 665.0196(3)	6. Has the owner or operator done all of the following? ☐ Conduct a visual inspection of the release. ☐ Prevent further migration of the spill to soils or surface water. ☐ Remove and properly dispose of any visible contamination of the soil or surface water.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(4)** NR 665.0196(4)	7. Was the release reported to the Department within 24 hours of its detection? ☐ Not required since less than one pound was released and the material was contained and cleaned up immediately.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(4)(c)** NR 665.0196(4)(c)	8. Was a written report submitted to the Department within 30 days of detecting the release?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(5)** NR 665.0196(5)	9. Has the owner or operator taken the following actions? ☐ If the integrity of the tank system was not damaged, the system was returned to service after cleanup and repairs. ☐ If the leak was from the tank system into secondary containment, the system was repaired before the tank was returned to service. ☐ If the leak was from a component that did not have secondary containment, either secondary containment was provided or repairs were made if the component can be visually inspected.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0196(6)** NR 665.0196(6)	10. If major repairs were made, has a certification by a PE been obtained and submitted to the Department within 7 days of returning the tank system to use?	☐ Yes ☐ No

Section J: Special Requirements for Ignitable, Reactive or Incompatible Wastes		
	1. Is ignitable, reactive or incompatible waste placed in the tank system? If NO, go to Section K.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0198(1)** NR 665.0198(1)	2. Are ignitable or reactive wastes placed in the tank system only when one of the following is met? ☐ The waste is treated or mixed before or immediately after placement in the tank system so it no longer meets the definition of ignitable or reactive waste. ___ Extreme heat, pressure, fire, explosions or reactions are not produced. ___ Uncontrolled toxic or flammable fumes or gases are not produced. ___ The structural integrity of the tank system is not damaged. ___ Human health or the environment is not threatened. ☐ Ignitable or reactive waste is stored or treated in a way to protect it from any material or conditions that may cause the waste to ignite or react. ☐ The tank system is only used to treat or store ignitable or reactive waste during an emergency.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.0198(2)** NR 665.0198(2)	3. Are the buffer zone requirements between the tanks and any public ways or adjoining property lines in compliance with the NFPA standards in the Flammable and Combustible Liquids Code?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.0199(2)** NR 665.0199(2)	4. Is the tank system decontaminated before adding an incompatible waste?	☐ Yes ☐ No ☐ N/A
Section K: Subch. CC Level 1 Standards – Fixed Roof Tanks		
NR 662.034(1)(a)2. **NR 664.1082(3)(a)** NR 665.1083(3)(a)	1. Are any of the hazardous waste tanks excluded from subch. CC requirements because of both of the following? ☐ The average VO concentration at the point of origination is <500 ppmw for all hazardous waste entering the tank. ☐ The initial determination is reviewed and updated at least once every 12 months.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1083(1)** NR 665.1084(1)	2. Are waste determinations for excluded tanks made according to all of the following? ☐ The initial determination of the average VO concentration for the waste stream was made before the material was placed in the tank. ☐ A new waste determination is performed whenever changes to the source generating the waste stream likely causes the average VO concentration to increase to ≥500 ppmw. ☐ The average VO concentration is determined by direct measurement or by knowledge. Note: See NR 665.1084(1)(c) for direct measurement procedures and NR 665.1084(1)(d) for using knowledge.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1089(6)(a)** NR 665.1090(6)(a)	3. For each waste determination, are the date, time, and location of each waste sample collected maintained in the facility records?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1080(4)** NR 665.1080(4)	4. Are any tanks excluded from CC requirements because they are used to store or treat hazardous waste from organic peroxide manufacturing processes? Note: Certain records are to be maintained. Refer to NR 664.1089(9) or 665.1090(9) for more information.	☐ Yes ☐ No

NR 662.034(1)(a)2. **NR 664.1080(2)** NR 665.1080(2)	5. Are any of the hazardous waste tanks excluded from CC requirements because of the following? ☐ Waste is no longer added to the tank and closure has been implemented or completed. ☐ The tank is used solely to store or treat: ___ On-site remediation wastes generated through NR 700 or RCRA corrective action activities. ___ Radioactive mixed wastes in accordance with NRC requirements. ☐ The tank is equipped with air emission controls operating in accordance with the Clean Air Act requirements and all of the following have been met: ___ A certification signed by the owner or operator is maintained at the site. ___ The specific air program compliance requirements for the unit are recorded and maintained on-site. ___ If an enclosure is used as the air emission control, the enclosure is in compliance with the enclosure and control device requirements unless the tank bulk feeds to an incinerator. ☐ The tank has a process vent subject to Subch. AA requirements.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1082(3)** NR 665.1083(3)	6. Are any of the hazardous waste tanks excluded from CC regulation because of any of the following? ☐ The organic content of all waste entering the tank has been reduced by an organic destruction or removal process described in NR 664.1082(3) or NR 665.1083(3). ☐ The hazardous organic constituents placed in the tank are treated to meet LDR standards. ☐ The tank is in an enclosure that vents to a control device and bulk feeds to an incinerator.	☐ Yes ☐ No
	7. Are all tanks excluded from subch. CC requirements? If YES, go to Section L.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(2)(a)** NR 665.1085(2)(a)	8. Is the maximum organic vapor pressure of the hazardous waste managed in a fixed roof tank less than the maximum organic vapor pressure limit for the tank's design capacity category as follows? If NO, go to Question 27. ☐ Tank design capacity is ≥40,000 gallons and the maximum organic vapor pressure limit for the tank is 0.75 psi (5.2 kPa). ☐ Tank design capacity is between 20,000 to 40,000 gallons and the maximum organic vapor pressure limit for the tank is 4.0 psi (27.6 kPa). ☐ Tank design capacity is <20,000 gallons and the maximum organic vapor pressure limit for the tank is 11.1 psi (76.6 kPa).	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(a)** NR 665.1085(3)(a)	9. Is the maximum organic vapor pressure of the hazardous waste managed in the tank determined according to all of the following? ☐ The maximum organic vapor pressure is determined before the waste is first placed in the tank. ☐ A new determination is performed when changes to the hazardous waste could cause the maximum organic vapor pressure to increase to or exceed the maximum vapor pressure for the tank design capacity. ☐ The maximum organic vapor pressure was determined by either direct measurement or knowledge. Note: See NR 665.1084(1)(c) for direct measurement procedures and NR 665.1084(1)(d) for using knowledge.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1089(2)(b)** NR 665.1090(2)(b)	10. If the maximum organic vapor pressure was determined by direct measurement, are records maintained that include all of the following? ☐ The date and time of sample collection. ☐ The analytical method and results.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1083(3)(c)** NR 665.1084(3)(c)	11. If the maximum organic vapor pressure was determined by direct measurement, is a copy of the written sampling plan on file?	☐ Yes ☐ No ☐ N/A

NR 662.034(1)(a)2. **NR 664.1083(3)(d)** NR 665.1084(3)(d)	12. If the maximum organic vapor pressure was determined by knowledge, is documentation available that presents the information used as the basis for knowing that the maximum organic vapor pressure limit of the hazardous waste is less than the maximum vapor pressure limit listed for the applicable tank design capacity category?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1084(3)(b)** NR 665.1085(3)(b)	13. Is the tank equipped with a fixed roof and closure devices to form a continuous barrier over the entire surface area of the hazardous waste in the tank?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(b)1.** NR 665.1085(3)(b)1.	14. Is the fixed roof either of the following? ☐ A separate cover installed on the tank (a removable cover mounted on an open-top tank). ☐ An integral part of the tank structural design (horizontal cylindrical tank equipped with a hatch).	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(b)2.** NR 665.1085(3)(b)2.	15. Is the fixed roof installed in a manner so there are no visible cracks, holes, gaps or other open spaces visible between the roof section joints or between the interface of the roof edge and tank wall?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(b)3.** NR 665.1085(3)(b)3.	16. Is each opening in the fixed roof and any manifold system for the fixed roof one of the following? ☐ Equipped with a closure device that, when closed, has no visible cracks, holes, gaps or other open spaces. ☐ Connected by a closed-vent system to a control device that is operating whenever hazardous waste is managed in the tank, except during routine inspections and maintenance.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(b)4.** NR 665.1085(3)(b)4.	17. Are the closure devices and fixed roof made of materials that minimize the release of hazardous waste to the atmosphere and maintain the integrity of the roof and closure devices?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(c)1.** NR 665.1085(3)(c)1.	18. Is each closure device secured in the closed position and the fixed roof installed except when inspections and maintenance are performed or tank sludge is removed?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1084(3)(c)2.** NR 665.1085(3)(c)2.	19. If the tank is equipped with a pressure relief device which vents to the atmosphere, is the device operated according to both of the following? ☐ There are no detectable organic emissions (<500 ppmv) when the pressure relief device is closed. ☐ The pressure relief device is only opened during normal operations to maintain the tank internal pressure according to tank design specifications.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1084(3)(c)3.** NR 665.1085(3)(c)3.	20. Are safety devices only opened when necessary to avoid unsafe conditions?	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(d)** NR 665.1085(3)(d)	21. Are the fixed roof and closure devices visually inspected at least once every year for the following defects, at a minimum, that could result in air pollutant emissions? ☐ Visible cracks, holes or gaps in the roof sections or between the roof and tank wall. ☐ Damaged seals or gaskets on closure devices. ☐ Broken or missing hatches, access covers, caps or other closure devices.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(12)** NR 665.1085(12)	22. If inspections are conducted at intervals longer than one year, has the fixed roof or closure device has been designated as "unsafe to inspect and monitor"?	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1089(7)** NR 665.1090(7)	23. If the fixed roof or closure device has been designated as "unsafe to inspect and monitor", has all of the following information is recorded in a log? ___ The identification numbers for the roof or closure device with covers that are designated as "unsafe to inspect and monitor". ___ A written explanation stating the reasons why the roof or closure device is unsafe to visually inspect or monitored. ___ A written plan and schedule for inspecting and monitoring the roof or closure device as frequently as practical when a worker can gain safe access.	☐ Yes ☐ No ☐ N/A

NR 662.034(1)(a)2. **NR 664.1084(11)** NR 665.1085(11)	24. Are first efforts of repair made within 5 calendar days of detection and completed no later than 45 calendar days of detection? ___ Repair is delayed until the next time the process or unit generating the waste stops operation because the tank must be emptied for repair and there is no alternate tank capacity.	☐ Yes ☐ No
NR 662.034(1)(a)2. **NR 664.1084(3)(d)4.** NR 665.1085(3)(d)4.	25. Are inspection records maintained for at least 3 years which include all of the following? ☐ The tank ID#. ☐ The date of inspection. ☐ The location and description of the defect. ☐ The date the problem was detected and the corrective action taken. ☐ The reason repair was delayed and the date of completion, if applicable.	☐ Yes ☐ No
NR 664.1090(2)	26. For facilities with a final operating license: If hazardous waste with an organic vapor pressure exceeding the maximum organic vapor pressure limit for the tank design capacity has been placed in a tank with level 1 standards, has the owner or operator met ALL of the following? ☐ Submitted a written notification to the Department that contains, at a minimum, the following information: ___ The facility name, address and EPA identification number. ___ A description of the noncompliance event. ___ The cause and dates of the noncompliance. ___ The actions taken to correct the noncompliance. ___ The actions taken to prevent the recurrence of the noncompliance. ☐ The report is submitted within 15 calendar days of the time the owner or operator becomes aware of the occurrence.	☐ Yes ☐ No ☐ N/A
NR 662.034(1)(a)2. **NR 664.1084(2)(b)** NR 665.1085(2)(b)	27. Does the facility manage hazardous waste in a tank according to any of the following? If YES, complete the Subch. CC Level 2 and 3 Standards for Containers and Tanks inspection form. ☐ Hazardous waste in the tank has a maximum organic vapor pressure greater or equal to the maximum limit for the tank's design capacity category as stated in Question 9. ☐ The tank is used for a waste stabilization process. ☐ The hazardous waste in the tank is heated to a temperature greater than the temperature at which the vapor pressure was determined. ☐ Hazardous waste is managed in the following tanks: ___ Fixed roof tank with an internal floating roof. ___ Tank with an external floating roof. ___ Tank subject to subch. CC vented to a control device. ___ Pressure tank. ___ Tank located inside an enclosure.	☐ Yes ☐ No
NR 664.1090(1)	28. For facilities with a final operating license: If the facility managed hazardous waste with an average VO concentration >500 ppmw or without adequate reduction of the organic content by an organic destruction or removal process in a tank exempt from subch. CC level 1 or 2 standards, has the facility met all of the following? ☐ Submitted a written report to the department which includes all of the following information: ___ Name of the facility, EPA ID#, and address. ___ A description of the noncompliance event and the cause. ___ The dates of noncompliance. ___ The actions taken to correct the noncompliance and prevent reoccurrence. ☐ The report is submitted within 15 calendar days of the time the owner or operator becomes aware of the occurrence.	☐ Yes ☐ No ☐ N/A

NR 662.034(1)(a)2. **NR 664.1084(10)** NR 665.1085(10)	28. If hazardous waste is transferred from one tank to another tank subject to level 1 or level 2 standards, is continuous hard-piping or another closed system that does not allow exposure of hazardous waste to the atmosphere used, except under any of the following conditions? ☐ The average VO concentration at the point of waste origination is <500 ppmw. ___ The determination of the average VO concentration is made at least once every 12 months. ☐ Hazardous waste has been treated to a specified concentration by an organic or biological destruction or removal process. ☐ The organic constituents of the hazardous waste placed in the tank are treated to meet the LDR treatment standards.	☐ Yes ☐ No ☐ N/A
Section L: Small Quantity Generator Requirements for Accumulating Waste in Tanks		
	1. Is the tank used to accumulate waste from small quantity generators? If NO, go to Section M.	☐ Yes ☐ No
NR 662.194(2)(a)	2. Does the treatment or storage of hazardous waste in tanks comply with all of the following? ☐ Extreme heat, pressure, fire, explosions or reactions are not generated. ☐ Uncontrolled toxic or flammable fumes or gases are not produced. ☐ The structural integrity of the tank system is not damaged. ☐ Human health or the environment is not threatened	☐ Yes ☐ No
NR 662.194(2)(b)	3. Will the hazardous waste or treatment reagents placed in the tank cause the tank or inner liner to rupture, leak, corrode or otherwise fail before the end of its intended life?	☐ Yes ☐ No
NR 662.194(2)(c)	4. Are uncovered tanks operated to maintain at least 2 feet of freeboard? ☐ Exception applies since the tank is equipped with a containment structure, drainage control system or diversion structure with a capacity at least equal to the volume of the top 2 feet of the tank.	☐ Yes ☐ No ☐ N/A
NR 662.194(2)(d)	5. If the tank is continuously fed, is the tank equipped with a way to stop the inflow (waste feed cutoff system or a by-pass system to a stand-by tank)?	☐ Yes ☐ No ☐ N/A
NR 662.194(3)	6. Are all of the following inspected at least once each operating day? ☐ Tank discharge control equipment (waste feed cutoff systems, by pass systems, drainage systems). ☐ Data from monitoring equipment (pressure and temperature gauges). ☐ The level of waste in uncovered tanks.	☐ Yes ☐ No
NR 662.194(3)	7. Are all of the following inspected at least weekly? ☐ Construction materials of the tank for corrosion ☐ Leaking fixtures or seams. ☐ Construction materials of and the area immediately around the tank discharge confinement structure for erosion or obvious signs of leakage.	☐ Yes ☐ No
NR 662.192(1)(d)2	8. Is each tank clearly labeled or marked with the words, "Hazardous Waste"?	☐ Yes ☐ No
NR 662.194(5)(a)1.	9. Are all of the following requirements met if ignitable, reactive, or incompatible waste is placed in the tank system? ☐ The waste is treated or mixed so it no longer meets the definition of ignitable or reactive waste. ☐ Extreme heat, pressure, fire, explosions or reactions are not produced. ☐ Uncontrolled toxic or flammable fumes or gases are not produced. ☐ The structural integrity of the tank system is not damaged. ☐ Human health or the environment is not threatened.	☐ Yes ☐ No ☐ N/A
NR 662.194(5)(a)2	10. Is ignitable or reactive waste stored or treated in a way to protect it from any material or conditions that may cause the waste to ignite or react?	☐ Yes ☐ No ☐ N/A
NR 662.194(5)(a)3	11. Is the tank system only used to treat or store ignitable or reactive waste during an emergency?	☐ Yes ☐ No ☐ N/A
NR 662.194(5)(b)	12. Are the buffer zone requirements between the covered tanks and any public ways or adjoining property lines in compliance with the NFPA standards in the Flammable and Combustible Liquids Code?	☐ Yes ☐ No ☐ N/A

13. Is the tank washed out before adding incompatible waste?
☐ The tank does not need to be washed out since the requirements in #7 are met. ☐ Yes ☐ No ☐ N/A

Section M: Facility Status Evaluation

1. Is the facility conducting hazardous waste activities other than tank storage or treatment? ☐ Yes ☐ No

2. If YES, check all that apply and complete additional inspection forms.
☐ Container Storage ☐ Recycling ☐ Waste Pile/Containment Building ☐ Transfer ☐ Transporter
☐ Miscellaneous Unit ☐ Incinerator ☐ BIF ☐ Landfill/Surface Impoundment ☐ Land Treatment

DNR Inspector Signature:	Date: