



STATE OF MINNESOTA

Minnesota Pollution Control Agency

Industrial Division

**National Pollutant Discharge Elimination System (NPDES)/
State Disposal System (SDS) Permit MN0068411**

PERMITTEE: Twin City Tanning LLP
FACILITY NAME: Twin City Tanning LLP
RECEIVING WATER:

CITY: South St. Paul
ISSUANCE DATE:

COUNTY: Dakota
EXPIRATION DATE:

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee to operate a disposal system at the facility named above and to discharge from this facility to the receiving water named above, in accordance with the requirements of this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with Minnesota and U.S. statutes and rules, including Minn. Stat. chs. 115 and 116, Minn. R. chs. 7001, 7050, 7053, 7060, and the U.S. Clean Water Act.

This permit is effective on the issuance date identified above, and supersedes the previous permit that was issued for this facility on December 11, 2006. This permit expires at midnight on the expiration date identified above.

Signature: _____

Jeff Udd, P.E.
Supervisor, Water Quality Permits Unit
Water Section
Industrial Division

for The Minnesota Pollution Control Agency

Submit eDMRs via e-Services at:

<https://netweb.pca.state.mn.us/private/>

Submit Other WQ Reports to:

Attention: WQ Submittals Center
Minnesota Pollution Control Agency
520 Lafayette Rd N
St Paul, MN 55155-4194

Questions on this permit?

- For DMR and other permit reporting issues, contact: Belinda Nicholas, 651-757-2613.
- For specific permit requirements or permit compliance status, contact: Chandi McCracken, 651-757-2232.
- General permit or NPDES program questions, contact: MPCA, 651-282-6143 or 1-800-657-3938.

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Appendix

Facility Description

Facility Description

The Twin City Tanning, LLP facility (Facility) is located at NE ¼ of NE ¼ of Section 34, Township 28, Range 22 West, at 501 Malden Street in South St. Paul, Dakota County, Minnesota. The principal activity at the Facility is the processing of cattle hides into chrome tanned leather. The water source for the water treatment system is the City of South St. Paul Municipal Water. The municipal water supply provides a maximum of 500,000 gallons per day. Approximately 175 million gallons of water are used annually to facilitate the production process.

Two main wastewaters are produced, which are either treated in the sulfide oxidation process, or are treated for chrome recovery. Process wastewater entering the sulfide oxidation process contains dirt, blood, salt, proteins, sodium chloride, sulfides, sulfates, liming agents, calcium hydroxide, and low pH sulfuric acid from the pickling process. Process wastewater is sent to the Metropolitan Council Metro Plant in St. Paul. The industrial byproduct is the underflow from a clarifier in the pretreatment train. The industrial by-product (IBP) for land application is the result of the pretreatment of waste water from the sulfide oxidation process; none of the waste waters containing residual chrome from the tanning process are discharged into the pretreatment system from where the IBP is generated. Solids from the sulfide oxidation process are periodically removed, pH is adjusted to lower the pH prior to land application if needed, and land applied at agronomic rates during the cropping season.

This permit authorizes approximately 2000 dry tons per year of "Sulfide Oxidation Pretreatment Solids" waste to be land applied in accordance with the terms of this permit.

Storage of industrial by-product prior to land application is not authorized under this permit; stockpiling of industrial by-product at the land application site is not authorized under this permit.

With the exception of the federal categorical pretreatment standards of 40 CFR pt. 425 this permit action encompasses all of the NPDES and SDS requirements for the Facility and the Facility industrial stormwater permit coverage. The loading ramp is impervious and slopes toward the building. This is to help protect the contaminated stormwater from infiltration to the environment. There is a possibility of spillage and machinery failure which could cause spillage and truck movement could track the IBP out of the impervious loading area. This is why stormwater is covered under this permit, but is not needed to be monitored with benchmark limits. All stormwater incidents to the loading area are routed through the pretreatment system prior to discharge to Metropolitan Council Environmental Services.

There are many tanks inside the building and one 100,000 pound capacity salt pellet storage tank outside the building that are not involved in process wastewater. There are two indoor 10,000 gallon tanks that hold the solid material before it is transferred directly from the storage tanks to the hauling tanker of Mountain Environmental for transport to the land application site. None of the hauling tanks are authorized under this permit.

Sanitary wastes are sent directly to the municipal system and are not covered by this permit.

The location of designated monitoring stations is specified on the attached "Summary of Stations and Station Locations" report.

The location of the Facility is shown on the attached topographic map.

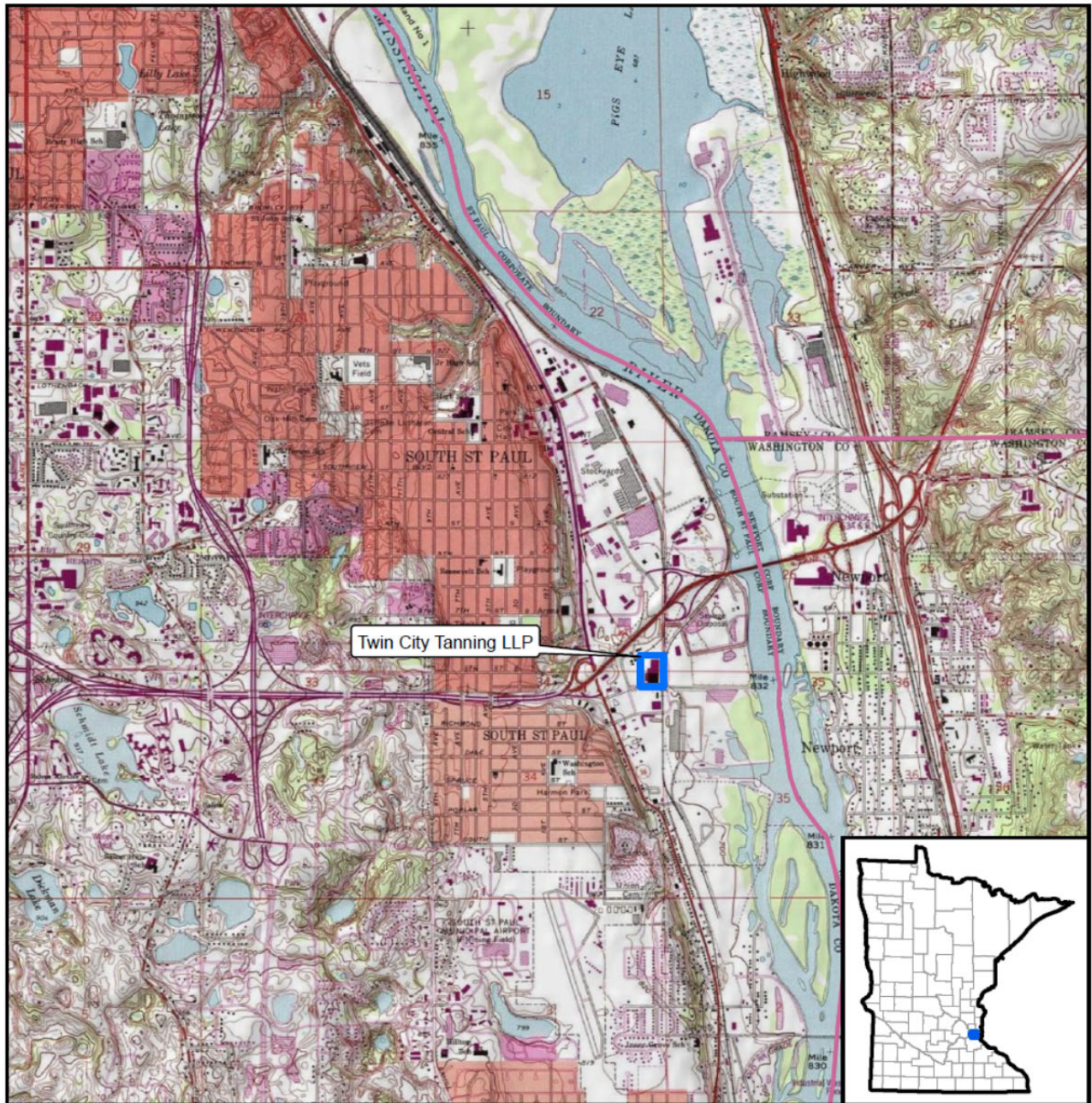
This Permit also complies with Minn. R. 7053.0275 regarding anti-backsliding.

Topographic Map of Permitted Facility

MN0068411: Twin City Tanning LLC

T28N, R22W, Section 27

South St. Paul, Dakota County, Minnesota



Map produced by: MPCA Staff, 10/29/2012

Source: USGS Lake Elmo, St. Paul East, St. Paul Park, and Inver Grove Heights Quads

Scale: 1:15,000

0 0.325 0.65 1.3 Miles



DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT**Land Application Stations**

<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
LA302	Non-biosolids WWT/Sludge Appl Site	KLM5 (Wolleat, B)	NW Quarter of the Section 17, Township 35 North, Range 20 West
LA303	Non-biosolids WWT/Sludge Appl Site	KLM8 (KLM Fams)	SW Quarter of the Section 11, Township 35 North, Range 21 West
LA304	Non-biosolids WWT/Sludge Appl Site	RK40 (Kermit, E)	NW Quarter of the Section 25, Township 35 North, Range 25 West
LA305	Non-biosolids WWT/Sludge Appl Site	RK2 (Sparrow, M)	South Half of the Section 24, Township 34 North, Range 25 West
LA306	Non-biosolids WWT/Sludge Appl Site	RK44 (Bervan, D)	NW Quarter of the Section 24, Township 34 North, Range 25 West
LA307	Non-biosolids WWT/Sludge Appl Site	RK45 (Sparrow, G)	North Half of the Section 24, Township 34 North, Range 25 West
LA308	Non-biosolids WWT/Sludge Appl Site	PM1 (Montain, P)	SW Quarter of the Section 35, Township 35 North, Range 20 West
LA309	Non-biosolids WWT/Sludge Appl Site	PM2 (Montain, P)	NE Quarter of the Section 3, Township 34 North, Range 20 West
LA310	Non-biosolids WWT/Sludge Appl Site	PM3 (Montain, P)	NW Quarter of the Section 28, Township 35 North, Range 20 West
LA311	Non-biosolids WWT/Sludge Appl Site	KD47 (Goldstrand, B)	NW Quarter of the Section 8, Township 30 North, Range 20 West
LA312	Non-biosolids WWT/Sludge Appl Site	IS2 (Stolp, I)	SE Quarter of the SE Quarter of the Section 9, Township 35 North, Range 20 West
LA313	Non-biosolids WWT/Sludge Appl Site	IS10 (Stolp, I)	SW Quarter of the SW Quarter of the Section 10, Township 35 North, Range 20 West
LA314	Non-biosolids WWT/Sludge Appl Site	KD42 (Peterson, M)	NE Quarter of the Section 11, Township 30 North, Range 21 West
LA315	Non-biosolids WWT/Sludge Appl Site	RL1 (Allhisier, R)	NE Quarter of the Section 3, Township 110 North, Range 15 West
LA316	Non-biosolids WWT/Sludge Appl Site	KD45 (Dewolf, K)	SW Quarter of the Section 2, Township 30 North, Range 21 West
LA317	Non-biosolids WWT/Sludge Appl Site	KD46 (Dewolf, K)	SW Quarter of the Section 1, Township 30 North, Range 21 West
LA318	Non-biosolids WWT/Sludge Appl Site	KD43 (Dewolf, K)	SW Quarter of the Section 19, Township 31 North, Range 20 West
LA319	Non-biosolids WWT/Sludge Appl Site	KD44 (Dewolf, K)	SW Quarter of the Section 19, Township 31 North, Range 20 West
LA320	Non-biosolids WWT/Sludge Appl Site	RL2 (Poquette, S)	NE Quarter of the SE Quarter of the Section 35, Township 110 North, Range 17 West
LA321	Non-biosolids WWT/Sludge Appl Site	AS97 (Boelter, W)	SW Quarter of the Section 2, Township 34 North, Range 24 West
LA322	Non-biosolids WWT/Sludge Appl Site	AS98 (Boelter, W)	SW Quarter of the Section 2, Township 34 North, Range 24 West
LA323	Non-biosolids WWT/Sludge Appl Site	AS99 (Boelter, W)	SW Quarter of the Section 2, Township 34 North, Range 24 West
LA324	Non-biosolids WWT/Sludge Appl Site	40E (White Rock Lake Farm)	NW Quarter of the Section 30, Township 32 North, Range 20 West
LA325	Non-biosolids WWT/Sludge Appl Site	40C (White Rock Lake Farm)	NW Quarter of the Section 30, Township 32 North, Range 20 West
LA326	Non-biosolids WWT/Sludge Appl Site	40W (White Rock Lake Farm)	SW Quarter of the Section 30, Township 32 North, Range 20 West
LA327	Non-biosolids WWT/Sludge Appl Site	IS11 (Minar, TI)	SE Quarter of the SE Quarter of the Section 4, Township 35 North, Range 20 West
LA328	Non-biosolids WWT/Sludge Appl Site	IS12 (Minar, TI)	SE Quarter of the SE Quarter of the Section 4, Township 35 North, Range 20 West
LA329	Non-biosolids WWT/Sludge Appl Site	BSS-1E (St Sauver, B)	South Half of the Section 10, Township 32 North, Range 20 West
LA330	Non-biosolids WWT/Sludge Appl Site	BSS-1F (St Sauver, B)	NE Quarter of the Section 10, Township 32 North, Range 20 West

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT**Land Application Stations**

<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
LA331	Non-biosolids WWT/Sludge Appl Site	BSS-1G (St Sauver, B)	NE Quarter of the Section 10, Township 32 North, Range 20 West
LA332	Non-biosolids WWT/Sludge Appl Site	BSS-1H (St Sauver, B)	NE Quarter of the Section 10, Township 32 North, Range 20 West
LA333	Non-biosolids WWT/Sludge Appl Site	BSS-10A (Vietor, L)	NE Quarter of the Section 12, Township 31 North, Range 21 West
LA334	Non-biosolids WWT/Sludge Appl Site	BSS-10B (St Sauver, B)	NE Quarter of the Section 12, Township 31 North, Range 21 West
LA335	Non-biosolids WWT/Sludge Appl Site	BSS-5A (Crain, R)	NE Quarter of the Section 9, Township 32 North, Range 20 West
LA336	Non-biosolids WWT/Sludge Appl Site	BSS-5B (Crain, R)	NE Quarter of the Section 9, Township 32 North, Range 20 West
LA337	Non-biosolids WWT/Sludge Appl Site	AS20 (Ryan, D)	NW Quarter of the Section 36, Township 35 North, Range 24 West
LA338	Non-biosolids WWT/Sludge Appl Site	RN1 (Nelson, R)	SE Quarter of the Section 4, Township 34 North, Range 21 West
LA339	Non-biosolids WWT/Sludge Appl Site	PF2 (EJ Houle Inc)	SW Quarter of the Section 5, Township 33 North, Range 21 West
LA340	Non-biosolids WWT/Sludge Appl Site	PF3 (EJ Houle Inc)	South Half of the Section 5, Township 33 North, Range 21 West
LA341	Non-biosolids WWT/Sludge Appl Site	PF4 (EJ Houle Inc)	SE Quarter of the Section 5, Township 33 North, Range 21 West
LA342	Non-biosolids WWT/Sludge Appl Site	RS20 (Anderson, S)	North Half of the Section 27, Township 30 North, Range 21 West
LA343	Non-biosolids WWT/Sludge Appl Site	BSS-1A (St Sauver, B)	South Half of the Section 10, Township 32 North, Range 20 West
LA344	Non-biosolids WWT/Sludge Appl Site	BSS-1C (St Sauver, B)	SE Quarter of the Section 10, Township 32 North, Range 20 West
LA345	Non-biosolids WWT/Sludge Appl Site	BSS-1D (St Sauver, B)	SE Quarter of the Section 10, Township 32 North, Range 20 West
LA346	Non-biosolids WWT/Sludge Appl Site	BSS-11A (Booren, D)	NW Quarter of the Section 20, Township 32 North, Range 20 West
LA347	Non-biosolids WWT/Sludge Appl Site	BSS-11B (Booren, D)	NW Quarter of the Section 20, Township 32 North, Range 20 West
LA348	Non-biosolids WWT/Sludge Appl Site	BSS-11C (Booren, D)	NW Quarter of the Section 20, Township 32 North, Range 20 West
LA349	Non-biosolids WWT/Sludge Appl Site	BSS-16A (Larson, R)	SE Quarter of the Section 8, Township 32 North, Range 20 West
LA350	Non-biosolids WWT/Sludge Appl Site	BSS-16B (Larson, R)	SE Quarter of the Section 8, Township 32 North, Range 20 West
LA351	Non-biosolids WWT/Sludge Appl Site	BSS-16C (Larson, R)	NE Quarter of the Section 17, Township 32 North, Range 20 West
LA352	Non-biosolids WWT/Sludge Appl Site	BSS-52A (Arcand, H)	SW Quarter of the Section 29, Township 31 North, Range 21 West
LA353	Non-biosolids WWT/Sludge Appl Site	BSS-52B (Arcand, H)	SW Quarter of the Section 29, Township 31 North, Range 21 West
LA354	Non-biosolids WWT/Sludge Appl Site	BSS-52C (Arcand, H)	SW Quarter of the Section 29, Township 31 North, Range 21 West
LA355	Non-biosolids WWT/Sludge Appl Site	BSS-21 (St Sauver, B)	West Half of the Section 4, Township 31 North, Range 20 West
LA356	Non-biosolids WWT/Sludge Appl Site	BSS-22 (Crain, R)	SE Quarter of the Section 4, Township 32 North, Range 20 West
LA357	Non-biosolids WWT/Sludge Appl Site	BSS-14A (Sodergren, G)	NE Quarter of the Section 14, Township 32 North, Range 20 West
LA358	Non-biosolids WWT/Sludge Appl Site	BSS-66 (Barton Sand & Gravel)	NW Quarter of the Section 8, Township 32 North, Range 20 West
LA359	Non-biosolids WWT/Sludge Appl Site	BSS-67 (Barton Sand & Gravel)	NW Quarter of the Section 8, Township 32 North, Range 20 West
LA360	Non-biosolids WWT/Sludge Appl Site	JC01 (Charpenter, J)	SW Quarter of the Section 9, Township 34 North, Range 21 West
LA361	Non-biosolids WWT/Sludge Appl Site	DA1 (Aderman, D)	SW Quarter of the Section 20, Township 31 North, Range 20 West

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<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
LA362	Non-biosolids WWT/Sludge Appl Site	DA2 (Aderman, D)	SW Quarter of the Section 20, Township 31 North, Range 20 West
LA363	Non-biosolids WWT/Sludge Appl Site	LL6 (Lundeen, L)	NE Quarter of the Section 36, Township 35 North, Range 25 West
LA364	Non-biosolids WWT/Sludge Appl Site	LL7 (Lundeen, L)	SW Quarter of the Section 30, Township 35 North, Range 24 West
LA365	Non-biosolids WWT/Sludge Appl Site	LL8 (Lundeen, L)	SE Quarter of the Section 25, Township 35 North, Range 25 West
LA366	Non-biosolids WWT/Sludge Appl Site	LL9 (Lundeen, L)	SE Quarter of the Section 25, Township 35 North, Range 25 West
LA367	Non-biosolids WWT/Sludge Appl Site	DA3 (Madline, G)	NW Quarter of the Section 34, Township 30 North, Range 21 West
LA368	Non-biosolids WWT/Sludge Appl Site	DA5 (Lefgren, R)	NE Quarter of the Section 29, Township 31 North, Range 19 West
LA369	Non-biosolids WWT/Sludge Appl Site	DA6 (Lefgren, R)	NE Quarter of the Section 29, Township 31 North, Range 19 West
LA370	Non-biosolids WWT/Sludge Appl Site	DA7 (Maile, J)	NW Quarter of the Section 10, Township 30 North, Range 21 West
LA371	Non-biosolids WWT/Sludge Appl Site	DA8 (Morgon, D)	NE Quarter of the Section 10, Township 31 North, Range 19 West
LA372	Non-biosolids WWT/Sludge Appl Site	DA9 (Lake Bangston)	SE Quarter of the Section 22, Township 30 North, Range 21 West
LA373	Non-biosolids WWT/Sludge Appl Site	LE1 (Ehret, L)	NE Quarter of the Section 24, Township 31 North, Range 21 West
LA374	Non-biosolids WWT/Sludge Appl Site	LE2 (Ehret, L)	NE Quarter of the Section 24, Township 31 North, Range 21 West
LA375	Non-biosolids WWT/Sludge Appl Site	DA20 (Egan, P)	NE Quarter of the Section 25, Township 30 North, Range 21 West
LA376	Non-biosolids WWT/Sludge Appl Site	BSS72 (St Sauver, B)	NW Quarter of the Section 4, Township 31 North, Range 20 West
LA377	Non-biosolids WWT/Sludge Appl Site	RC31 (Saint Francis city of)	SE Quarter of the Section 22, Township 34 North, Range 24 West
LA378	Non-biosolids WWT/Sludge Appl Site	RC31A (Saint Francis city of)	SE Quarter of the Section 22, Township 34 North, Range 24 West
LA379	Non-biosolids WWT/Sludge Appl Site	RC31B (Saint Francis city of)	SE Quarter of the Section 22, Township 34 North, Range 24 West
LA380	Non-biosolids WWT/Sludge Appl Site	RC32 (Saint Francis city of)	SE Quarter of the Section 22, Township 34 North, Range 24 West
LA381	Non-biosolids WWT/Sludge Appl Site	RC32A (Saint Francis city of)	SE Quarter of the Section 22, Township 34 North, Range 24 West
LA382	Non-biosolids WWT/Sludge Appl Site	RS25 (Gunderson, W)	SW Quarter of the Section 26, Township 30 North, Range 21 West
LA383	Non-biosolids WWT/Sludge Appl Site	GS99 (Corrow, C)	SE Quarter of the Section 1, Township 34 North, Range 27 West
LA384	Non-biosolids WWT/Sludge Appl Site	RC30 (Novak, R)	West Half of the Section 17, Township 34 North, Range 24 West
LA385	Non-biosolids WWT/Sludge Appl Site	PN10 (Lasse, D)	SE Quarter of the Section 5, Township 34 North, Range 23 West
LA386	Non-biosolids WWT/Sludge Appl Site	LL1 (Lundeen, L)	NE Quarter of the Section 35, Township 35 North, Range 25 West
LA387	Non-biosolids WWT/Sludge Appl Site	BSS-57 (Saint Sauver, B)	NW Quarter of the Section 3, Township 31 North, Range 20 West
LA388	Non-biosolids WWT/Sludge Appl Site	BSS-17 (Saint Sauver, B)	SW Quarter of the Section 10, Township 32 North, Range 20 West
LA389	Non-biosolids WWT/Sludge Appl Site	BSS-2 (Saint Sauver, B)	NE Quarter of the Section 9, Township 32 North, Range 20 West

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<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
LA390	Non-biosolids WWT/Sludge Appl Site	BSS-18 (Saint Sauver, B)	SW Quarter of the Section 10, Township 32 North, Range 20 West
LA391	Non-biosolids WWT/Sludge Appl Site	BSS-3A (Saint Sauver, B)	NW Quarter of the Section 8, Township 32 North, Range 20 West
LA392	Non-biosolids WWT/Sludge Appl Site	BSS-3B (Saint Sauver, B)	East Half of the Section 8, Township 32 North, Range 20 West
LA393	Non-biosolids WWT/Sludge Appl Site	BSS-3C (Saint Sauver, B)	East Half of the Section 8, Township 32 North, Range 20 West
LA394	Non-biosolids WWT/Sludge Appl Site	KD32 (Guthrie, N)	NW Quarter of the Section 35, Township 31 North, Range 21 West
LA395	Non-biosolids WWT/Sludge Appl Site	KD31 (Hugo)	SE Quarter of the Section 26, Township 31 North, Range 21 West
LA396	Non-biosolids WWT/Sludge Appl Site	JK30 (Kowalik, J)	SE Quarter of the Section 35, Township 35 North, Range 25 West
LA397	Non-biosolids WWT/Sludge Appl Site	HM 1 - Myers, H	NE Quarter of the Section 27, Township 30 North, Range 21 West
LA398	Non-biosolids WWT/Sludge Appl Site	PR4 - Anderson, S	West Half of the Section 28, Township 36 North, Range 24 West
LA399	Non-biosolids WWT/Sludge Appl Site	PR5 - Wolff, S	NE Quarter of the Section 29, Township 36 North, Range 24 West
LA400	Non-biosolids WWT/Sludge Appl Site	CH53 - Holcomb, C	NE Quarter of the Section 31, Township 35 North, Range 20 West
LA401	Non-biosolids WWT/Sludge Appl Site	KD2 - Penders, S	SE Quarter of the Section 16, Township 30 North, Range 21 West
LA402	Non-biosolids WWT/Sludge Appl Site	KD33 - Dostal, R	SW Quarter of the Section 35, Township 31 North, Range 21 West
LA403	Non-biosolids WWT/Sludge Appl Site	KD34 - Dostal, R	SW Quarter of the Section 36, Township 31 North, Range 21 West
LA404	Non-biosolids WWT/Sludge Appl Site	AS95 - Wicht, R	SW Quarter of the Section 3, Township 34 North, Range 24 West
LA405	Non-biosolids WWT/Sludge Appl Site	IS13 - Stolp, I	SE Quarter of the Section 15, Township 35 North, Range 20 West
LA406	Non-biosolids WWT/Sludge Appl Site	AS4 - Stifter, A	NW Quarter of the Section 35, Township 35 North, Range 24 West
LA407	Non-biosolids WWT/Sludge Appl Site	ES5 - Peterson, R	SE Quarter of the Section 16, Township 31 North, Range 20 West
LA408	Non-biosolids WWT/Sludge Appl Site	ES6 - Stifter, E	SW Quarter of the Section 22, Township 31 North, Range 20 West
LA409	Non-biosolids WWT/Sludge Appl Site	ES7 - Stifter, E	NW Quarter of the Section 27, Township 31 North, Range 20 West
LA410	Non-biosolids WWT/Sludge Appl Site	RK97 (Schlichting, A)	West Half of the Section 23, Township 35 North, Range 25 West
LA411	Non-biosolids WWT/Sludge Appl Site	RK97 (Kostecka, A)	SE Quarter of the Section 28, Township 35 North, Range 25 West
LA412	Non-biosolids WWT/Sludge Appl Site	RK97 (Anderson, T)	NW Quarter of the Section 27, Township 35 North, Range 25 West
LA413	Non-biosolids WWT/Sludge Appl Site	AS3 - Stifter, A	North Half of the Section 35, Township 35 North, Range 24 West
LA414	Non-biosolids WWT/Sludge Appl Site	TT1 (Thommes, T)	SW Quarter of the Section 24, Township 31 North, Range 21 West
LA415	Non-biosolids WWT/Sludge Appl Site	DT1 (Thiel, D)	NE Quarter of the Section 24, Township 35 North, Range 20 West
LA416	Non-biosolids WWT/Sludge Appl Site	DT2 (Ness, M)	NW Quarter of the Section 24, Township 35 North, Range 20 West
LA417	Non-biosolids WWT/Sludge Appl Site	KD1 (Dewolf, K)	NW Quarter of the Section 1, Township 113 North, Range 17 West
LA418	Non-biosolids WWT/Sludge Appl Site	CH1 (Goodsen, J)	South Half of the Section 2, Township 34 North, Range 21 West

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT**Land Application Stations**

<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
LA419	Non-biosolids WWT/Sludge Appl Site	CH10 (Rabel, G)	SE Quarter of the Section 1, Township 34 North, Range 21 West
LA420	Non-biosolids WWT/Sludge Appl Site	CH92 (Rabel, G)	SE Quarter of the Section 1, Township 34 North, Range 21 West
LA421	Non-biosolids WWT/Sludge Appl Site	CH12 (Swanson, D)	South Half of the Section 2, Township 34 North, Range 21 West
LA422	Non-biosolids WWT/Sludge Appl Site	CH13 (Swanson, D)	South Half of the Section 2, Township 34 North, Range 21 West
LA423	Non-biosolids WWT/Sludge Appl Site	MR5 (Raleigh, M)	NW Quarter of the Section 15, Township 30 North, Range 20 West
LA424	Non-biosolids WWT/Sludge Appl Site	MR5A (Raleigh, M)	NW Quarter of the Section 15, Township 30 North, Range 20 West
LA425	Non-biosolids WWT/Sludge Appl Site	DT3 (Thiel, D)	NE Quarter of the Section 24, Township 35 North, Range 20 West
LA426	Non-biosolids WWT/Sludge Appl Site	DT4 (Ness, M)	NW Quarter of the Section 24, Township 35 North, Range 20 West
LA427	Non-biosolids WWT/Sludge Appl Site	KD20 (Wlaschin, R)	South Half of the Section 34, Township 31 North, Range 21 West
LA428	Non-biosolids WWT/Sludge Appl Site	CH2 (Holcomb, C)	North Half of the Section 36, Township 35 North, Range 21 West
LA429	Non-biosolids WWT/Sludge Appl Site	CH3 (Holcomb, C)	North Half of the Section 36, Township 35 North, Range 21 West
LA430	Non-biosolids WWT/Sludge Appl Site	PR6 (Kollman, R)	SE Quarter of the Section 22, Township 37 North, Range 25 West
LA431	Non-biosolids WWT/Sludge Appl Site	PR7 (Leinum, M)	South Half of the Section 22, Township 37 North, Range 25 West
LA432	Non-biosolids WWT/Sludge Appl Site	PR8 (Kollman, R)	SW Quarter of the Section 23, Township 37 North, Range 25 West
LA433	Non-biosolids WWT/Sludge Appl Site	PB15 (Ramsden, B)	East Half of the Section 24, Township 30 North, Range 21 West
LA434	Non-biosolids WWT/Sludge Appl Site	JF6 (Flodquist, J)	SW Quarter of the Section 22, Township 35 North, Range 20 West
LA435	Non-biosolids WWT/Sludge Appl Site	TP2 (Peltier, T)	North Half of the Section 32, Township 35 North, Range 19 West
LA436	Non-biosolids WWT/Sludge Appl Site	DG1 (Gehl, D)	SE Quarter of the Section 4, Township 30 North, Range 20 West
LA437	Non-biosolids WWT/Sludge Appl Site	MR3 (Raleigh, M)	NE Quarter of the Section 16, Township 30 North, Range 20 West
LA438	Non-biosolids WWT/Sludge Appl Site	MJ1 (Jensen, M)	NE Quarter of the Section 15, Township 37 North, Range 23 West
LA439	Non-biosolids WWT/Sludge Appl Site	JG2 (Swenson, P)	NW Quarter of the Section 7, Township 36 North, Range 25 West
LA440	Non-biosolids WWT/Sludge Appl Site	TS10 (Smuder, T)	NW Quarter of the Section 8, Township 36 North, Range 21 West
LA441	Non-biosolids WWT/Sludge Appl Site	JT1 (Tubbs, J)	NW Quarter of the Section 22, Township 30 North, Range 21 West
LA442	Non-biosolids WWT/Sludge Appl Site	JT2 (Tubbs, J)	SW Quarter of the Section 16, Township 30 North, Range 21 West
LA443	Non-biosolids WWT/Sludge Appl Site	JT3 (Tubbs, J)	SW Quarter of the Section 16, Township 30 North, Range 21 West
LA444	Non-biosolids WWT/Sludge Appl Site	JT4 (Tubbs, J)	NW Quarter of the Section 22, Township 30 North, Range 21 West
LA445	Non-biosolids WWT/Sludge Appl Site	LL20 (Lundeen, L)	SW Quarter of the Section 30, Township 35 North, Range 24 West
LA446	Non-biosolids WWT/Sludge Appl Site	LL21 (Lundeen, L)	SE Quarter of the Section 25, Township 35 North, Range 25 West
LA447	Non-biosolids WWT/Sludge Appl Site	PB7 - Meinecke, M	SW Quarter of the Section 8, Township 30 North, Range 20 West

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT**Land Application Stations**

<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
LA448	Non-biosolids WWT/Sludge Appl Site	RS60 - Jones, D	NW Quarter of the Section 20, Township 29 North, Range 20 West
LA449	Non-biosolids WWT/Sludge Appl Site	RS61 - Fuller, A	NE Quarter of the Section 29, Township 29 North, Range 20 West
LA450	Non-biosolids WWT/Sludge Appl Site	RS62 - Shiltgen, R	SW Quarter of the Section 18, Township 28 North, Range 20 West
LA451	Non-biosolids WWT/Sludge Appl Site	PR9 - Sweningson, R&L	East Half of the Section 25, Township 36 North, Range 25 West
LA452	Non-biosolids WWT/Sludge Appl Site	PR9A - Sweningson, R&L	East Half of the Section 25, Township 36 North, Range 25 West
LA453	Non-biosolids WWT/Sludge Appl Site	PR10 - Sweningson, R&L	East Half of the Section 25, Township 36 North, Range 25 West
LA454	Non-biosolids WWT/Sludge Appl Site	BB1 - Bradow, B	SE Quarter of the Section 1, Township 36 North, Range 25 West
LA455	Non-biosolids WWT/Sludge Appl Site	BB2 - Bradow, B	SW Quarter of the Section 1, Township 36 North, Range 25 West
LA456	Non-biosolids WWT/Sludge Appl Site	BB3 - Bradow, B	SW Quarter of the Section 1, Township 36 North, Range 25 West
LA457	Non-biosolids WWT/Sludge Appl Site	BB4 - Bradow, B	SW Quarter of the Section 1, Township 36 North, Range 25 West
LA458	Non-biosolids WWT/Sludge Appl Site	KD50 - Ruiz, D	SW Quarter of the Section 29, Township 31 North, Range 20 West
LA459	Non-biosolids WWT/Sludge Appl Site	KD53- Dornfeld, R	SW Quarter of the Section 31, Township 31 North, Range 20 West
LA460	Non-biosolids WWT/Sludge Appl Site	KD22 - Marshall, D	NE Quarter of the Section 16, Township 30 North, Range 21 West
LA461	Non-biosolids WWT/Sludge Appl Site	KB1 - Peterson, B	NW Quarter of the Section 26, Township 35 North, Range 25 West
LA462	Non-biosolids WWT/Sludge Appl Site	KM1 - Palme, S	NW Quarter of the Section 25, Township 35 North, Range 22 West
LA463	Non-biosolids WWT/Sludge Appl Site	KM2 - Palme, S	SW Quarter of the Section 11, Township 35 North, Range 21 West
LA464	Non-biosolids WWT/Sludge Appl Site	CM3 - Beckman, A	SE Quarter of the Section 18, Township 121 North, Range 23 West
LA465	Non-biosolids WWT/Sludge Appl Site	Site LM1 - Morrell, L	SW Quarter of the Section 21, Township 35 North, Range 24 West
LA466	Non-biosolids WWT/Sludge Appl Site	Site KD61 - Welsh, S	SE Quarter of the Section 5, Township 30 North, Range 20 West

Waste Stream Stations

<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
WS301	Solids to Land Treatment/Application	Sulfide Oxidation Pretreatment Solids	NE Quarter of the NE Quarter of the Section 34, Township 28 North, Range 22 West

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The Permittee shall comply with the limits and monitoring requirements as specified below.

LA 302, LA 303, LA 304, LA 305, LA 306, LA 307, LA 308, LA 309, LA 310, LA 311, LA 312, LA 313, LA 314, LA 315, LA 316, LA 317, LA 318, LA 319, LA 320, LA 321, LA 322, LA 323, LA 324, LA 325, LA 326, LA 327, LA 328, LA 329, LA 330, LA 331, LA 332, LA 333, LA 334, LA 335, LA 336, LA 337, LA 338, LA 339, LA 340, LA 341, LA 342, LA 343, LA 344, LA 345, LA 346, LA 347, LA 348, LA 349

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
Organic Matter, Total In Soil	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	2
pH	Monitor Only	SU	Single Value	Sep-Aug	Composite	1 x Year	2
Phosphorus, BRAY-1 Ext In Soil	200	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Phosphorus, Olson Ext in Soil	180	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Potassium, NH4AC, Exch In Soil	Monitor Only	ppm	Single Value	Sep-Aug	Composite	1 x Year	2
Salts, Water Soluble In Soil	4	mmh/cm	Single Value	Sep-Aug	Composite	1 x Year	2

LA 350, LA 351, LA 352, LA 353, LA 354, LA 355, LA 356, LA 357, LA 358, LA 359, LA 360, LA 361, LA 362, LA 363, LA 364, LA 365, LA 366, LA 367, LA 368, LA 369, LA 370, LA 371, LA 372, LA 373, LA 374, LA 375, LA 376, LA 377, LA 378, LA 379, LA 380, LA 381, LA 382, LA 383, LA 384, LA 385, LA 386, LA 387, LA 388, LA 389, LA 390, LA 391, LA 392, LA 393, LA 394, LA 395, LA 396, LA 397

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
Organic Matter, Total In Soil	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	2
pH	Monitor Only	SU	Single Value	Sep-Aug	Composite	1 x Year	2
Phosphorus, BRAY-1 Ext In Soil	200	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Phosphorus, Olson Ext in Soil	180	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Potassium, NH4AC, Exch In Soil	Monitor Only	ppm	Single Value	Sep-Aug	Composite	1 x Year	2
Salts, Water Soluble In Soil	4	mmh/cm	Single Value	Sep-Aug	Composite	1 x Year	2

LA 398, LA 399, LA 400, LA 401, LA 402, LA 403, LA 404, LA 405, LA 406, LA 407, LA 408, LA 409, LA 410, LA 411, LA 412, LA 413, LA 414, LA 415, LA 416, LA 417, LA 418, LA 419, LA 420, LA 421, LA 422, LA 423, LA 424, LA 425, LA 426, LA 427, LA 428, LA 429, LA 430, LA 431, LA 432, LA 433, LA 434, LA 435, LA 436, LA 437, LA 438, LA 439, LA 440, LA 441, LA 442, LA 443, LA 444, LA 445

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
Organic Matter, Total In Soil	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	2
pH	Monitor Only	SU	Single Value	Sep-Aug	Composite	1 x Year	2
Phosphorus, BRAY-1 Ext In Soil	200	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Phosphorus, Olson Ext in Soil	180	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Potassium, NH4AC, Exch In Soil	Monitor Only	ppm	Single Value	Sep-Aug	Composite	1 x Year	2
Salts, Water Soluble In Soil	4	mmh/cm	Single Value	Sep-Aug	Composite	1 x Year	2

LA 446, LA 447, LA 448, LA 449, LA 450, LA 451, LA 452, LA 453, LA 454, LA 455, LA 456, LA 457, LA 458, LA 459, LA 460, LA 461, LA 462, LA 463, LA 464, LA 465, LA 466

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
Organic Matter, Total In Soil	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	2
pH	Monitor Only	SU	Single Value	Sep-Aug	Composite	1 x Year	2

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The Permittee shall comply with the limits and monitoring requirements as specified below.

LA 446, LA 447, LA 448, LA 449, LA 450, LA 451, LA 452, LA 453, LA 454, LA 455, LA 456, LA 457, LA 458, LA 459, LA 460, LA 461, LA 462, LA 463, LA 464, LA 465, LA 466

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
Phosphorus, BRAY-1 Ext In Soil	200	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Phosphorus, Olson Ext in Soil	180	ppm	Single Value	Sep-Aug	Composite	1 x Year	3
Potassium, NH4AC, Exch In Soil	Monitor Only	ppm	Single Value	Sep-Aug	Composite	1 x Year	2
Salts, Water Soluble In Soil	4	mmh/cm	Single Value	Sep-Aug	Composite	1 x Year	2

WS 301

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
Chloride, Dry Weight (as Cl)	Monitor Only	mg/kg	Single Value	Sep-Aug	Composite	1 x Year	1
Nitrogen, Ammonia, Dry Weight	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	1
Nitrogen, Kjeldahl, Total, Solid Fraction, Dry Weight	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	1
Oil & Grease, Total Recoverable (Hexane Extraction)	Monitor Only	mg/kg	Single Value	Sep-Aug	Composite	1 x Year	1
pH, Sludge	Monitor Only	SU	Single Value	Sep-Aug	Composite	1 x Year	1
Phosphorus, Total, Dry Wt (as P2O5)	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	1
Sodium, Dry Weight (as Na)	Monitor Only	mg/kg	Single Value	Sep-Aug	Composite	1 x Year	1
Sodium, Total (as Na)	170	lbacyr	Single Value	Sep-Aug	Composite	1 x Year	1
Solids, Total	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	1
Solids, Total Volatile, Percent of Total	Monitor Only	%	Single Value	Sep-Aug	Composite	1 x Year	1

Notes:

- 1 -- Refer to Table 2 of the 'Tables for Industrial By-Products Chapter' appendix of this permit to determine the minimum frequency of analysis for these analytes. Samples must be representative of the industrial by-product land applied, and in some cases, the minimum frequencies of analysis will not be adequate to achieve a representative sample. In this case, additional analysis may be required.
- 2 -- Soil testing must be conducted on each site that is used for land application before the site is used for the first time and once every three years a site is used. The composite sample shall consist of a mixture of 15-20 sub-samples taken in the plow layer for every 40 acres.
- 3 -- The soil test method used for extractable phosphorus in soil is either the Bray P-1 test, or the Olson test; the Olson procedure should be used if the soil pH is 7.4 or higher. Soil testing must be conducted on each site that is used for land application before the site is used for the first time and once every three years a site is used. The composite sample shall consist of a mixture of 15-20 sub-samples taken in the plow layer for every 40 acres.

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Chapter 1. Land Application of Industrial By-Products

1. Authorization

- 1.1 This chapter authorizes the Permittee to land apply industrial by-products generated during the production and wastewater treatment process, as described in the 'Facility Description' section of this permit. This activity is limited by the 'Limits and Monitoring' section of this permit as well as the other terms and conditions of this permit.

2. Plan for Sampling, Analysis, and Field Equipment Calibration

- 2.1 Submit a Sampling, Analysis and Field Equipment calibration plan to address storage, management, and land application schedules by 60 days after permit issuance.
- 2.2 The Sampling, Analysis and Field Equipment Calibration plan must include, but is not limited to the following:
 - a. A description of how samples will be collected to ensure representative samples of the industrial by-product land applied are obtained, which shall include the identification of sampling locations, and a description of a sampling schedule;
 - b. A list of all parameters that will be analyzed, the frequency they will be analyzed, maximum holding times, and preservation methods that will be used;
 - c. The laboratory methods used for analysis and reporting limits necessary;
 - d. A schedule and detailed procedures which will be followed for calibration of field equipment to determine actual application rates of industrial by-product;
 - e. Example of record keeping forms that will be used for sampling, analysis, and equipment calibration;
 - f. Position of the person(s) responsible for sampling and calibration of field equipment; and
 - g. Description of measures and practices that will be implemented to provide reasonable assurance that the land application, staging and/or storage of industrial by-product will not cause nuisance conditions.

3. Limits and Monitoring Requirements

Parameters

- 3.1 The 'Limits and Monitoring' section of this permit contains the parameters that must be analyzed in each industrial by-product that is land applied as well as the sampling frequency for the industrial by-product land applied.

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Chapter 1. Land Application of Industrial By-Products

4. Soil Chemical Suitability Requirements and Limits

- 4.1 Soil samples must be collected and analyzed within the three-year period prior to industrial by-product application for the parameters listed below:

Parameter	Limit	Units
Organic Matter, Total in Soil	Monitor Only	%
pH	Monitor Only	SU
Phosphorus, BRAY-1 Ext in Soil	200	ppm
Phosphorus, Olson Ext in Soil	180	ppm*
Potassium, NH4AC, Exch In Soil	Monitor Only	ppm
Salts, Water Soluble in Soil	4	mmho/cm

* The soil test method used for extractable phosphorus in the soil is either the Bray P-1 test, or the Olson test; the Olson procedure shall be used if the soil pH is 7.4 or higher.

A site shall not be used for land application until sample results are received and evaluated to determine soil suitability.

If any of the soil limits are exceeded, the site shall not be used for land application by the Permittee until sample results show limits are met.

- 4.2 Soil samples shall be a composite sample consisting of a mixture of 15-20 sub-samples taken in the plow layer. A minimum of one composite sample per site is required. On sites that are greater than 40 acres in size, a minimum of one composite sample per 40 acres of area is required.

5. Soil Physical Suitability Requirements

- 5.1 The soil will be considered suitable if the site is used for growing a crop which is harvested and removed during the cropping year that the industrial by-product is land applied.
- 5.2 If the site does not meet this condition or the application site is set aside land (CRP), pasture land, non-agricultural land, or the industrial by-product contain pathogens, all the soil suitability criteria in a through c, below, must be met:
- The soil texture at the zone of industrial by-product application must be fine sand, loamy sand, sandy loam, loam, silt, silt loam, sandy clay loam, clay loam, sandy clay, silty clay loam, silty clay or clay.
 - The depth to bedrock must be at least 3 feet, unless the soil is classified as a highly permeable soil, in which case the minimum depth is increased to 5 feet.
 - The depth to the seasonal high water table must be at least 3 feet, unless the soil is classified as a highly permeable soil, in which case the minimum depth is increased to 5 feet.
- 5.3 On sites where tile drainage is installed, the depth to tile lines is considered the depth to the seasonal high water table. Tiling must be adequate to ensure the three-foot separation distance can be maintained. Maps of the tiling system must be provided indicating their depth and placement in the field. Water tables classified as perched or epi-saturated by the Natural Resources Conservation Service are not considered to be the seasonal high water table.
- 5.4 Soil suitability can be determined by obtaining information from soil surveys published by the Natural Resources Conservation Service or by characterization of the site by a state of Minnesota licensed soil scientist or other qualified person.

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Chapter 1. Land Application of Industrial By-Products

6. Site Suitability Criteria

- 6.1 The criteria in this section detail the suitability of land application sites for receiving industrial by-products. All criteria within this section must be met for a site to qualify as being suitable for land application of an industrial by-product.
- 6.2 The Permittee is responsible for determining the suitability of the site for industrial by-product application, including a determination that the site meets the soil sample limitations identified above for Land Application Stations in the 'Limits and Monitoring' section of this permit, and the 'Site Suitability Criteria' of this part.
- 6.3 Slope Restrictions. The slope restrictions in Table 3 of the appendix to this permit apply to all sites used for land application of industrial by-products.
- 6.4 Separation Distances. The separation distances in Table 4 of the appendix to this permit shall be maintained on all land application sites.

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Chapter 1. Land Application of Industrial By-Products

7. Notification Procedures

Notification to MPCA

- 7.1 Prior to the use of a site for land application of an industrial by-product for the first time, the Permittee shall submit a completed 'Industrial By-Products Land Application Site Application Form', at least 30 days prior to application of industrial by-product at the respective site. The soil test results submitted with this form shall be collected no greater than six (6) months prior to submittal of the form. This notification must be repeated if any of the properties or conditions of the site changes, including a change in site name, site ownership, acreage used, soil types, slope and/or drainage capacity (tile lines). A copy of the form is included in the appendices section of this permit and is available electronically at <http://www.pca.state.mn.us/water/landapp.html>.
- 7.2 Prior to the use of a structure for the storage of an industrial by-product, the appropriate and respective certifications required by the Industrial By-Product Storage section of this permit shall be provided to the MPCA.

Local Notification

- 7.3 Before land application activities are initiated within a county, city or township for the first time, written notification shall be provided to local officials at least 30 days before initiating land application activities in the respective jurisdiction. The first time a Permittee applies an industrial by-product within a county, township, or city, the Permittee must satisfy the following notification procedures:
- a. Notify the county's Planning and Zoning or Solid Waste Officer (whichever is appropriate for the county) in writing 30 days before the industrial by-product is land applied within the county; and,
 - b. Notify the township clerk in writing 30 days before the industrial by-product is land applied within the township; or,
 - c. Notify the mayor or other appropriate official of the city in writing 30 days before the industrial by-product is land applied within the city limits.

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Chapter 1. Land Application of Industrial By-Products

7. Notification Procedures

- 7.4 Notifications must be dated and contain a description of how the industrial by-product will be managed during land application, to include the following elements:
- a. Description of the industrial by-product to be land applied, including a description of how the industrial by-product is produced, what nutrients/pollutants are present in the industrial by-product, and the limiting nutrient/pollutant in the industrial by-product being applied.
 - b. Description of how any staging and/or short-term storage of the industrial by-product will be conducted prior to land application.
 - c. Description of the applicable slope and setback requirements that will be followed during land application.
 - d. Response section must be provided to notify the local officials there is an opportunity to request additional information regarding copies of records, testing information, individual site information, listing of all sites, etc; and/or a section to provide information to the generator of the waste, applicator(s) and land owner(s) of any local requirements.
- 7.5 If any significant changes in the management of the industrial by-product described in the notification occur, including changes affecting the staging and/or storage of the industrial by-product, the notification process must be repeated.

End User Notification

- 7.6 For each site used for land application of the industrial by-product, the end user must receive, at a minimum, the information necessary to meet the requirements of this permit. This includes information such as actual nutrient application rates, any restrictions on the by-product use, crop restrictions, and so forth.
- 7.7 The end user must be provided with this information in writing as soon as possible and in no case more than 6 weeks after application has been completed. Records demonstrating compliance with end user notification shall be maintained in accordance with the Records section of this permit.
- 7.8 The Permittee shall inform end users that they should take appropriate credits for all plant nutrients supplied by industrial and municipal by-products, manures, and fertilizers so that maximum allowable application rates are not exceeded.

8. Site Management, Limitations, and Restrictions

- 8.1 Hydraulic Loading Limits. Hydraulic loading are set to prevent ponding and runoff from land application sites. The limitations specified in this part shall not cause any other application limits of this permit to be exceeded.

Daily application rates for industrial by-products which are surface applied are limited to:

- a. 10,000 gallons/acre/day for fine textured surface soils with United States Department of Agriculture (USDA) textural classifications of clay loam, silty clay loam, sandy clay, silty clay;
- b. 15,000 gallons/acre/day for medium textured surface soils with USDA textural classifications of loam, silt, silt loam, and sandy clay loam; and,
- c. 25,000 gallons/acre/day for coarse textured surface soils with USDA textural classifications of sand, loamy sand, and sandy loam.

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Chapter 1. Land Application of Industrial By-Products

8. Site Management, Limitations, and Restrictions

- 8.2 Winter Application. During the time that soils are frozen or snow covered, so that incorporation or injection is not possible, the following requirements shall be met:
- a. A maximum hydraulic loading rate of 15,000 gallons/acre/winter for liquid industrial by-product shall not be exceeded.
 - b. Applications are restricted to areas with 0 % to 2 % slopes.
 - c. All separation distances identified in Table 4 of the appendix to this permit must be maintained.
 - d. For the purposes of this permit, it is assumed that industrial by-product is unable to be incorporated or injected during the months of December, January, February, and March unless specific field or climatic conditions are observed and documented appropriately in the Daily Hauling Record.
- 8.3 Additional measures may be necessary to prevent runoff of the material during the Spring thaw, such as installation of silt fences and berms and planting of grass buffer strips, to meet the requirement that no runoff of the industrial by-product from the application site is allowed.
- 8.4 Miscellaneous Management Practices/Restrictions. All of the following standards apply to the land application of industrial by-products.
- a. No runoff of the industrial by-product from the application site is allowed. Management tools such as installation of silt fences and berms, and planting of grass buffer strips may be required to meet the no-runoff requirement.
 - b. No ponding of liquid industrial by-products is allowed after 6 hours of application.
 - c. All of the industrial by-product land applied must be uniformly distributed over the area of the site used during application.
 - d. The application area must be clearly identified with flags, stakes, or other easily seen markers at the time of application to identify the site boundaries, separation distances, and unsuitable application areas within the site. Where site boundaries can be identified by field roads, and fences, and so forth, identification is not necessary.
 - e. The industrial by-product must be immediately incorporated or injected on sites subject to flooding.
 - f. Application of the industrial by-product is not allowed on areas of a site ponded with water or industrial by-product.
 - g. Application of the industrial by-product is not allowed on areas that remain fallow for the entire cropping year.
 - h. Liquid industrial by-products must be injected or immediately incorporated when applied on soil with a surface horizon permeability rate of less than 0.2 inches/hour.
 - i. The industrial by-product shall not be applied by spraying from public roads or across road right of ways without prior written MPCA approval.

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Chapter 1. Land Application of Industrial By-Products

8. Site Management, Limitations, and Restrictions

8.5 Nuisance conditions. Land application, staging and/or storage of industrial by-product shall be performed to minimize odors, noise, and vector attraction. The Permittee shall provide reasonable assurance that the land application, staging and/or storage of industrial by-product will not cause nuisance conditions. All aspects of land application of the industrial by-product shall be considered in providing reasonable assurance, to include loading, unloading, transportation, storage and land application of the industrial by-product, and shall be specified in the Sampling, Analysis, and Field Calibration Equipment Plan.

9. Operator Certification

9.1 All land application activities must be done by or under the supervision of a Type IV certified operator.

9.2 The number of certified operators required for land application activities is subject to the requirements of Minn. R. 7048.0500.

10. Records

10.1 Record Retention. The following records shall be maintained at the facility for a minimum of three (3) years, and shall be available at the facility for review at any time by MPCA staff:

- a. Copy of the submitted 'Site Notification Form' for each land application site, including the site map identifying the exact site location of the site, soil types on the site, and areas that are required to be excluded from use.
- b. Documentation of site suitability of each site, including a copy of any lab results and other analytical information related to the industrial by-product or site used for application.
- c. Documentation of loading calculations for each site, including the maximum allowable industrial by-product application rate for each site being used during the current cropping year.
- d. Documentation of acres used for application.
- e. Daily hauling records which indicate quantities of industrial by-product transferred to storage or land applied with the storage or site location identified for each land application site or storage area/structure.
- f. Sampling and calibration records as required by the Sampling, Analysis and Field Equipment Calibration Plan as well as a copy of the submitted Sampling, Analysis, and Field Equipment Calibration Plan.
- g. Copy of the submitted Industrial By-Products Annual Report Form and any other reported information necessary to prepare the Annual Report.
- h. Copy of notification letter(s) and other information submitted to each city, county and township.
- i. Copy of written information provided to each end user of the industrial by-product.

10.2 Record Retention continued:

- j. Any approved plans or special approvals required by this permit.
- k. Copy of any 'Transfer to Manure Storage Form' submitted for storage of industrial by-product in a manure storage structure.
- l. Any applicable records requirements pertaining to the storage of industrial by-product as specified by Industrial By-Products Storage section of this permit.

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Chapter 1. Land Application of Industrial By-Products

10. Records

- 10.3 The following information shall be maintained as the 'Daily Hauling Record,' organized by site or storage area/structure for each site or storage unit used for the land application or storage of industrial by-product covered by this permit, including manure storage structures and structures used for the storage of sweet corn silage:
- a. Name of site;
 - b. Date delivered to site/storage area/structure;
 - c. Date applied to site/removed from storage area/structure;
 - d. Volume applied/delivered to site/storage area/structure;
 - e. Application rate;
 - f. Visual observations of site, including but not limited to an indication of whether soils are frozen or snow covered, such that incorporation or injection of industrial by-product is not possible; and
 - g. Running total of industrial by-product applied to site/added to storage unit during the cropping year.
- 10.4 The Permittee shall maintain records for each sample and measurement. The records shall include the following information:
- a. the location and date of the sample or measurement;
 - b. the date of analysis;
 - c. the name of the person who performed the sample collection, measurement, analysis, or calculation;
 - d. the analytical techniques, procedures and methods used; and,
 - e. the results of the analysis.
- 10.5 Records for soil sampling and samples related to the industrial by-products shall be maintained in accordance with the Permittee's Sampling, Analysis and Field Equipment Calibration Plan, as required in the Sampling and Analysis part of this chapter.
- 10.6 The Permittee shall keep the records required by this permit for at least three (3) years, including any calculations, original recordings from automatic monitoring instruments, and laboratory sheets. The Permittee shall extend these record retention periods upon request of the MPCA and/or during the course of an unresolved enforcement action.

11. Annual Report

- 11.1 Submit an Industrial By-Product Land Application Annual Report by December 31 of each year following permit issuance. Report on the form provided by the MPCA in the appendices section of this permit or the Annual Report form available electronically at <http://www.pca.state.mn.us/water/landapp.html> or another MPCA approved form.

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Chapter 1. Land Application of Industrial By-Products

11. Annual Report

11.2 The Industrial By-Product Land Application Annual Report must include the following information:

- a. Total quantity of each industrial by-product land applied during the cropping year (if none land applied, this can be indicated on the form).
- b. Results of all analyses conducted and the average of these analyses.
- c. Site specific information:
 - i. Crops grown/vegetation receiving nutrient benefit;
 - ii. Realistic yield goal;
 - iii. Months site used;
 - iv. Soil analysis results;
 - v. Application rate of industrial by-product;
 - vi. Application rates for sodium, phosphorus, and nitrogen; and,
 - vii. Description of any management problems associated with land application that occurred during the cropping year and how these problems have been or will be resolved.
- d. Total quantity of industrial by-product transferred to/from a storage area/structure under the terms of the Industrial By-Product Storage section of this permit, if applicable.

11.3 The Permittee shall report monitoring results for the completed reporting period in the units specified by this permit on the Industrial By-Product Land Application Annual Report form, as provided in the appendices section of this permit or electronically at <http://www.pca.state.mn.us/water/landapp.html>.

12. Additional Requirements - Industrial By-Products Containing Pathogens

12.1 Applicability. Industrial by-products containing pathogens have additional separation distances and site restrictions which must be met. For purposes of this permit, an industrial by-product will be assumed to contain pathogens when it contains waste streams known or likely to contain pathogens, including wastes containing blood, animal feces and raw meats. All requirements of this section must be met for industrial by-products containing pathogens.

Site Restrictions for Industrial By-Products Containing Pathogens

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Chapter 1. Land Application of Industrial By-Products

12. Additional Requirements - Industrial By-Products Containing Pathogens

12.2 The restrictions on crop harvest and access restriction described below must be met on all land application sites when industrial by-products containing pathogen are land applied. If necessary, the area must be posted to ensure these restrictions are being met. Minimum duration between time of application of an industrial by-product containing pathogens and harvest, grazing, and public access to the site are as follows:

- a. For food crops whose harvested part may touch the soil/industrial by-product mixture, such as melons, squash, and tomatoes, the waiting period is 14 months.
- b. For food crops whose harvested parts grow in the soil, such as potatoes and carrots, the waiting period is 38 months. This waiting period can be reduced to a 20 month duration between application and harvest when the industrial by-product is surface applied and stays on the soil surface four months or longer prior to incorporation into the soil.
- c. For feed, other food crops, such as field corn or sweet corn, hay, or fiber crop, the waiting period is 30 days.
- d. For the grazing of animals, the waiting period is 30 days.
- e. For public access to land with a high potential for exposure, including public contact sites, reclamation sites located in populated areas, turf farms, or plant nurseries, the waiting period is one year.
- f. For public access to land with a low potential for exposure, including lands with infrequent public use such as agricultural land, forests, or reclamation sites located in an unpopulated area, the waiting period is 30 days.

13. Additional Requirements - Industrial By-Products Supplying Nitrogen

Total Available Nitrogen

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Chapter 1. Land Application of Industrial By-Products

13. Additional Requirements - Industrial By-Products Supplying Nitrogen

- 13.1 For the purposes of this permit, the total quantity of nitrogen available for crop uptake during the cropping year is the sum of available organic nitrogen and ammonia nitrogen.
- a. Available organic nitrogen. The available organic nitrogen shall be determined by one of the methods in items i or ii:
- i. The total quantity of organic nitrogen present in the industrial by-product will be considered 50% available during the cropping year it is applied and 25% the following cropping year (carry over nitrogen)..
- ii. The quantity of organic nitrogen available in the IBP during the cropping year it is applied and subsequent years (carry over) will be determined by a mineralization study. The mineralization study will determine the rate and quantity of organic nitrogen mineralized during the cropping year it is applied and the rate and quantity of nitrogen mineralized during the second cropping year after application. To be used for the purposes of this permit, the mineralization study, including study protocol, must be approved by MPCA prior to initiation of the study.
- b. Ammonia nitrogen. The quantity of ammonia nitrogen used for calculating total available nitrogen is equal to 100% of the ammonia nitrogen contained in the industrial by-product when it is injected or immediately incorporated or 50% of the ammonia nitrogen when it is surface applied without immediate incorporation.

Maximum Allowable Nitrogen Application Rates

- 13.2 Maximum allowable nitrogen application rates shall be based on recommendations from the University of Minnesota Extension Service. These recommendations are based on soil analyses, realistic crop yield goals, and previously grown crops. This information is available from the MPCA upon request. When information on recommended nitrogen application rates is not readily available or agreed upon, MPCA written approval must be obtained for the nitrogen application rate proposed.
- 13.3 Maximum allowable nitrogen application rates for selected crops which do not have University of Minnesota Extension Service recommendations for nitrogen are provided in Table 6 of the appendix to this permit.
- 13.4 Industrial by-products shall not be applied at rates that cause the annual maximum allowable nitrogen application rate to be exceeded. Maximum allowable nitrogen application rates must take into account all available nitrogen supplied by industrial and municipal by-products such as biosolids, compost and septage, and fertilizers applied on the site.

Application Management

- 13.5 When no crop is grown on the application site during the time period between July 1 through August 31, the following requirements apply:
- a. Applications are limited to rates which supply no more than 50 pounds per acre of available nitrogen.
- b. Available nitrogen for the following cropping year shall be the sum of the total amount of nitrogen applied between July 1 and August 31 plus applicable carry over from earlier industrial by-product application.

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Chapter 1. Land Application of Industrial By-Products

13. Additional Requirements - Industrial By-Products Supplying Nitrogen

- 13.6 The maximum application rate of an industrial by-product allowed after the second cutting of a hay crop shall not provide more than 50 percent of the maximum allowable nitrogen based on the recommendations from the University of Minnesota Extension Service or Table 6 in the appendix of this permit.

14. General Requirements

- 14.1 Characterization of the industrial by-product at the time of permit application must indicate all of the eligibility requirements in this part are met.
- a. The industrial by-product cannot be a hazardous waste.
- b. Concentrations of any of the analytes in the industrial by-products cannot exceed the limits for the specified analytes below. Industrial by-products cannot be diluted or mixed with other materials before this determination has been made.

Concentration limits for industrial by-products on a dry weight basis:

Total Arsenic: 41 mg/kg
Total Cadmium: 39 mg/kg
Total Copper: 1500 mg/kg
Total Lead: 300 mg/kg
Total Mercury: 5 mg/kg
Total Molybdenum: 75 mg/kg
Total Nickel: 420 mg/kg
Total Selenium: 100 mg/kg
Total Zinc: 2800 mg/kg
Total Dioxin equivalents: 10 parts per trillion
Total Polychlorinated biphenyls: 6 mg/kg

- c. Annual application rates of the industrial by-product cannot exceed a sodium application rate limitation of 170 lb/acre/year.

Chapter 2. Stormwater Management

1. Authorization

- 1.1 This chapter authorizes the Permittee to discharge stormwater associated with industrial activity from industrial activity associated with SIC code 3111 in accordance with the terms and conditions of this chapter.
- 1.2 This permit, unless specifically authorized by another chapter, does not authorize the discharge of sewage, wash water, scrubber water, floor drains from process areas, spills, oils, hazardous substances, or equipment/vehicle cleaning and maintenance wastewaters to ditches, wetlands or other surface waters of the state.

2. Prohibited Discharges

- 2.1 This permit, unless specifically authorized by another chapter, does not authorize the discharge of sewage, wash water, scrubber water, spills, oil, hazardous substances, or equipment/vehicle cleaning and maintenance wastewaters to ditches, wetlands or other surface waters of the state.
- 2.2 This permit does not authorize discharges from sites for which Environmental Assessment Worksheets or Environmental Impact Statements are required, in accordance with Minn. R. ch. 4410, until that environmental review is completed.

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Chapter 2. Stormwater Management

3. Water Quality Standards

- 3.1 The Permittee shall operate and maintain the facility and shall control runoff, including stormwater, from the facility to prevent the exceedance of water quality standards specified in Minnesota Rules, chs. 7050 and 7060.
- 3.2 The Permittee shall limit and control the use of materials at the facility that may cause exceedances of ground water standards specified in Minnesota Rules, ch. 7060. These materials include, but are not limited to, detergents and cleaning agents, solvents, chemical dust suppressants, lubricants, fuels, drilling fluids, oils, fertilizers, explosives and blasting agents.

4. Stormwater Pollution Prevention Plan

- 4.1 Submit a Stormwater Pollution Prevention Plan by 180 days after permit issuance.
- 4.2 The Permittee shall develop and implement a Stormwater Pollution Prevention Plan (Plan) to address the specific conditions at the industrial facility. The goal of the Plan is to eliminate or minimize contact of stormwater with significant materials that may result in pollution of the runoff. If contact cannot be eliminated or reduced, stormwater that has contacted significant material should be treated before it is discharged from the site.

Guidance for preparing the SWPPP can be found on the web at:

<http://www.pca.state.mn.us/index.php/water/water-types-and-programs/stormwater/industrial-stormwater/industri>

- 4.3 At a minimum, the SWPPP must include:
 - a. a description of appropriate Best Management Practices (BMPs) (including structural and non-structural) for protection of surface and groundwater quality at the facility and a schedule for implementing the practices;
 - b. a drainage map for the entire facility;
 - c. an inventory of exposed significant materials;
 - d. an evaluation of the facility areas with exposure of significant materials to stormwater;
 - e. an evaluation of all discharge conveyances from the site; a preventative maintenance program;
 - f. a spill prevention and response procedure; and
 - g. procedures to be followed by designated staff employed by the Permittee to implement the SWPPP.
- 4.4 In addition, the SWPPP must include the following:
 - a. Facility Map. Identify where any of the following may be exposed to stormwater: Processing and storage areas of the beamhouse; tanyard; re-tan wet finishing and dry finishing operations; haul roads and access roads; rail spurs.
 - b. Potential Pollutant Sources. Describe the following additional sources that have potential pollutants associated with them: temporary or permanent storage of fresh and brine-cured hides; extraneous hide substances and hair; leather dust, scraps, trimmings, and shavings; chemical drums, bags, containers; empty chemical containers and bags; spent solvents; floor sweepings and washings; refuse, waste piles, and sludge; significant dust/particulate generating processes (e.g. buffing).

5. Temporary Protection and Permanent Cover

- 5.1 The Permittee shall provide and maintain temporary protection or permanent cover for the exposed areas at the facility.
- 5.2 Temporary protection methods are used to prevent erosion on a short-term basis, such as the placement of mulching straw, wood fiber blankets, wood chips, erosion control netting, or temporary seeding.
- 5.3 Permanent cover or final stabilization methods are used to prevent erosion, such as the placement of rip rap, sodding, or permanent seeding or planting. Permanent seeding and planting must have a uniform perennial vegetation cover of at least 70 percent density to constitute final stabilization.

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Chapter 2. Stormwater Management

6. Inspection and Maintenance

- 6.1 The Permittee must develop and implement an inspection schedule that includes a minimum of one facility inspection per calendar month. A minimum of one inspection per calendar year must be conducted during a runoff event. Inspections must be conducted by appropriately trained personnel at the facility. The purpose of inspections is to: 1) determine whether structural and non-structural BMPs require maintenance or changes, and 2) evaluate the completeness and accuracy of the SWPPP.

Inspection results and documentation must remain on-site whenever Permittee staff are available on the site and must be available upon request. The inspection form is located on the MPCA's website at <http://www.pca.state.mn.us/index.php/water/water-types-and-programs/wastewater/wastewater.html>.

- 6.2 Inspections must be documented and must include the following information:

- a. inspection date and time;
- b. weather conditions;
- c. inspector name;
- d. findings; and
- e. a description of any necessary corrective actions and a schedule for corrective action completion.

A copy of all inspection documentation must be stored with the SWPPP.

- 6.3 If conditions are observed at the site that require changes in the SWPPP, such changes must be made to the SWPPP prior to submission of the annual report for that calendar year.

Preventive Maintenance

- 6.4 The Permittee shall store pallets and bales of raw, semi-processed, or finished tannery by-products indoors or these materials must be protected by polyethylene wrapping, tarpaulins, or roofed storage.
- 6.5 The Permittee shall to the extent feasible store materials on an impermeable surface and enclose or put berms around these areas.
- 6.6 The Permittee shall describe and implement measures that prevent or minimize contamination of stormwater runoff with leather dust from buffing and shaving areas. The Permittee shall use dust collection systems and assure that they are operating properly.

7. Sedimentation Basin Design and Construction

- 7.1 The Permittee is authorized to use designed infiltration devices or industrial stormwater ponds/sedimentation basins for stormwater management. Stormwater ponds/sedimentation basins must be designed by a registered professional engineer and installed under the direct supervision of a registered professional engineer. If a new stormwater pond/sedimentation basin will be constructed, the Permittee must follow the guidance located on the web site at <http://www.pca.state.mn.us/index.php/water/water-types-and-programs/stormwater/industrial-stormwater/industrial-stormwater.html>

8. Application of Chemical Dust Suppressants

- 8.1 If chemical dust suppressants are applied, the Permittee shall submit a Chemical Dust Suppressant Annual Report due 31 days after the end of each calendar year following the application of a chemical dust suppressant.
- 8.2 The Chemical Dust Suppressant Annual Report shall include:
- a. a record of the dates, methods, locations and amounts by volume of chemical application at the facility;
 - b. whether the product was applied in the preceding year; and,
 - c. the results of a chemical analysis of the materials applied each year.

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Chapter 2. Stormwater Management

8. Application of Chemical Dust Suppressants

- 8.3 If a material applied is mixed with water or another solvent before application, the chemical analysis shall be done on the aqueous or other mixture that is representative of the solution applied. This analysis shall be conducted during the same calendar year of application. This analysis shall include the parameters that may be determined by U.S. Environmental Protection Agency (EPA) Methods 624 and 625 which are described in 40 CFR Part 136.
- 8.4 Chemical dust suppressants, if used, shall not be applied within 100 feet of the surface receiving waters identified in the 'Facility Description' section of this permit. These materials also shall not be applied within 100 feet of ditches that conduct surface flow to the surface receiving waters identified on Page 1 of this permit.

9. Reporting

- 9.1 Submit a Stormwater Annual Report by March 31 of each year following permit issuance. A copy of the Stormwater Annual Report Form is provided in the appendices section of this permit.
- 9.2 Submit a Stormwater Annual Report by March 31 of each year following permit issuance. A copy of the Stormwater Annual Report Form is located on the MPCA's website at:
<http://www.pca.state.mn.us/index.php/water/water-types-and-programs/wastewater/wastewater.html>.
- 9.3 The Permittee shall, upon request of the Agency, submit within a reasonable time the information and reports that are relevant to compliance with this Chapter, including the Plan, inspection reports, annual reports, original laboratory sheets from analyses conducted on the waste stream, and BMP plans and specifications.

10. Records

- 10.1 The SWPPP must be retained for the duration of the permit. A copy of the SWPPP must remain on the permitted site whenever Permittee staff are available on the site and be available upon request. The Permittee must maintain the following records for the period of permit coverage:
- a. dates and findings of inspections;
 - b. completed corrective actions;
 - c. documentation of all changes to the SWPPP; and
 - e. a copy of all annual reports.

11. Notification

- 11.1 If the Permittee discharges stormwater into a municipal storm sewer, the Permittee shall notify the operator of the municipal storm sewer of the existence of this permit.

12. Request for Termination of Stormwater Permit Coverage

- 12.1 If the Permittee meets the eligibility criteria for No Exposure and is eligible for the conditional exclusion for No Exposure, as regulated by 40 CFR 122.26(b)(14)(i) through (ix) and (xi), it may submit: a) a No Exposure certification to the MPCA in accordance with Minn. R. 7090.3060, and b) a permit application for a modification of the NPDES/SDS Permit.
- 12.2 The Permittee must apply for the No Exposure certification to the MPCA once every five years. A copy of the No Exposure certification card shall be submitted with the permit application for permit reissuance.
- 12.3 The No Exposure exclusion is conditional. The facility must maintain a condition of No Exposure at the facility in order for the No Exposure exclusion to remain applicable. In the event of any change or circumstance that causes exposure of industrial activities or materials to stormwater, the facility must comply with the stormwater requirements of this chapter.
- 12.4 The no exposure certification is non-transferrable in accordance with Minn. R. 7090.3060, subp. 5(D). In the event that the facility operator changes, then the new operator must submit a new no exposure certification to the MPCA, Industrial Stormwater Program, 520 Lafayette Rd N, St Paul, MN 55155-4194.

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Chapter 2. Stormwater Management

12. Request for Termination of Stormwater Permit Coverage

- 12.5 The MPCA retains the authority to require the facility operator to comply with the requirements of this chapter, even when an industrial operator certifies no exposure, if the MPCA has determined that the discharge is contributing to the violation of, or interfering with the attainment or maintenance of water quality standards, including designated uses.

13. Definitions

- 13.1 "Best Management Practices" or "BMPs" means practices to prevent or reduce the pollution of waters of the state, including schedules of activities, prohibitions of practices, other management practices, and also includes treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge, waste disposal or drainage from raw material storage.
- 13.2 "No exposure" means all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snow melt, and/or runoff. industrial activities or materials include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products.
- 13.3 "Non-stormwater discharge" means any discharge not comprised entirely of stormwater discharges authorized by a NPDES permit.
- 13.4 "Runoff" means any liquid that drains over land from any part of a facility.
- 13.5 "Benchmark Monitoring Location" means the location(s) within the boundary of the facility where the Permittee will collect stormwater samples for the purpose of compliance with the benchmark monitoring requirements of this permit. The benchmark monitoring location(s) shall be in a location that:
- a. is below the most down-gradient BMP from the source of the industrial activity or significant materials, but prior to discharging from the Permittee's operational control;
 - b. minimizes or eliminates sampling of stormwater from off-site sources (run-on); and
 - c. yields a sample that best represents the contribution of pollutants the Permittee is required to monitor for in accordance with the Benchmark Monitoring Requirements section of this permit, and that receives drainage from an area of industrial activities, processes, and significant materials exposed to stormwater.

14. Benchmark Monitoring Requirements

- 14.1 You must create SD stations as applicable for all stormwater monitoring. The station subtype must be Stormwater, Nonspecific Runoff. Load the Industrial Stormwater Analyte group(s). If the discharge affects an ORVW, the TSS limit might be 65 mg/L; verify this with MNR05, Appendix A.
- The DMR requirement for this station should start the first full quarter after permit issuance.
- 14.2 The Permittee must comply with the benchmark monitoring procedures and sample collection methods located in the Benchmark Monitoring Fact Sheet on the following website:
<http://www.pca.state.mn.us/index.php/water/water-types-and-programs/wastewater/wastewater.html>
- 14.3 The Permittee shall complete Benchmark Monitoring four times per year and comply with the limits and monitoring requirements specified for the Surface Discharge Stormwater, Non-Specific Runoff Station. Specified parameters shall be sampled on a calendar quarter basis beginning the first full quarter following permit issuance. Each quarterly's samples may be collected at any time during the calendar quarter. Quarterly samples results must be averaged annually and the annual quarterly average must be reported on the December DMR.

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Chapter 2. Stormwater Management

14. Benchmark Monitoring Requirements

- 14.4 An exceedance of a benchmark monitoring intervention limit does not constitute a violation under this permit. However, the Permittee is required to perform any necessary corrective action(s) to address stormwater control measures, including the maintenance or implementation of BMPs, when an exceedance of an applicable benchmark value occurs. Failure to respond to any benchmark intervention limit exceedance is a violation of the permit.
- 14.5 If benchmark monitoring intervention limits are exceeded, the Permittee shall modify the SWPPP and document all corrective actions and shall implement necessary non-structural BMPs within 60 days after discovery and structural BMPs within 180 days after discovery of the exceedance.
- 14.6 Sample results shall be reported on quarterly Discharge Monitoring Reports (DMRs) which shall be provided by the MPCA. DMRs shall be electronically submitted by the 21st day of the month following the sampling interval. The final quarterly report for the year will also include an annual average of the four results collected throughout the year.

The Permittee may submit the DMRs using the electronic submittal process.

15. Notification Requirements

- 15.1 If the Permittee discharges stormwater into a regulated Municipal Separate Storm Sewer System (MS4), the Permittee must notify the operator of the first MS4 of the existence of this permit within 30 days of its issuance.

16. Employee Training Program

- 16.1 The Permittee must develop and implement an employee training program to inform appropriate personnel of the components and goals of the SWPPP. At a minimum, training must address:
- a. spill/leak prevention and response;
 - b. good housekeeping;
 - c. petroleum product management;
 - d. process chemical management;
 - e. fueling procedures;
 - f. proper procedures for using fertilizer, herbicides, and pesticides;
 - g. erosion and sedimentation controls;
 - h. inspections;
 - i. preventative maintenance;
 - j. runoff management; and
 - k. materials management practices.

The SWPPP must identify periodic dates for such training as well as personnel responsible for managing and implementing the SWPPP and those responsible for the reporting requirements of this permit. This must include the facility contact person as indicated on the permit application. Identified personnel must be available at reasonable times of operation.

Guidance regarding employee training programs is available on the web at:

<http://www.pca.state.mn.us/index.php/water/water-types-and-programs/stormwater/industrial-stormwater/industri>

Chapter 3. Total Facility Requirements

1. General Requirements

General Requirements

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.1 Incorporation by Reference. The following applicable federal and state laws are incorporated by reference in this permit, are applicable to the Permittee, and are enforceable parts of this permit: 40 CFR pts. 122.41, 122.42, 136, 403 and 503; Minn. R. pts. 7001, 7041, 7045, 7050, 7052, 7053, 7060, and 7080; and Minn. Stat. Sec. 115 and 116.
- 1.2 Permittee Responsibility. The Permittee shall perform the actions or conduct the activity authorized by the permit in compliance with the conditions of the permit and, if required, in accordance with the plans and specifications approved by the Agency. (Minn. R. 7001.0150, subp. 3, item E)
- 1.3 Toxic Discharges Prohibited. Whether or not this permit includes effluent limitations for toxic pollutants, the Permittee shall not discharge a toxic pollutant except according to Code of Federal Regulations, Title 40, sections 400 to 460 and Minnesota Rules 7050, 7052, 7053 and any other applicable MPCA rules. (Minn. R. 7001.1090, subp.1, item A)
- 1.4 Nuisance Conditions Prohibited. The Permittee's discharge shall not cause any nuisance conditions including, but not limited to: floating solids, scum and visible oil film, acutely toxic conditions to aquatic life, or other adverse impact on the receiving water. (Minn. R. 7050.0210 subp. 2)
- 1.5 Property Rights. This permit does not convey a property right or an exclusive privilege. (Minn. R. 7001.0150, subp. 3, item C)
- 1.6 Liability Exemption. In issuing this permit, the state and the MPCA assume no responsibility for damage to persons, property, or the environment caused by the activities of the Permittee in the conduct of its actions, including those activities authorized, directed, or undertaken under this permit. To the extent the state and the MPCA may be liable for the activities of its employees, that liability is explicitly limited to that provided in the Tort Claims Act. (Minn. R. 7001.0150, subp. 3, item O)
- 1.7 The MPCA's issuance of this permit does not obligate the MPCA to enforce local laws, rules, or plans beyond what is authorized by Minnesota Statutes. (Minn. R. 7001.0150, subp.3, item D)
- 1.8 Liabilities. The MPCA's issuance of this permit does not release the Permittee from any liability, penalty or duty imposed by Minnesota or federal statutes or rules or local ordinances, except the obligation to obtain the permit. (Minn. R. 7001.0150, subp.3, item A)
- 1.9 The issuance of this permit does not prevent the future adoption by the MPCA of pollution control rules, standards, or orders more stringent than those now in existence and does not prevent the enforcement of these rules, standards, or orders against the Permittee. (Minn. R. 7001.0150, subp.3, item B)
- 1.10 Severability. The provisions of this permit are severable and, if any provisions of this permit or the application of any provision of this permit to any circumstance are held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.
- 1.11 Compliance with Other Rules and Statutes. The Permittee shall comply with all applicable air quality, solid waste, and hazardous waste statutes and rules in the operation and maintenance of the facility.
- 1.12 Inspection and Entry. When authorized by Minn. Stat. Sec. 115.04; 115B.17, subd. 4; and 116.091, and upon presentation of proper credentials, the agency, or an authorized employee or agent of the agency, shall be allowed by the Permittee to enter at reasonable times upon the property of the Permittee to examine and copy books, papers, records, or memoranda pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit; and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit. (Minn. R. 7001.0150, subp.3, item I)

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.13 Control Users. The Permittee shall regulate the users of its wastewater treatment facility so as to prevent the introduction of pollutants or materials that may result in the inhibition or disruption of the conveyance system, treatment facility or processes, or disposal system that would contribute to the violation of the conditions of this permit or any federal, state or local law or regulation.

Sampling

- 1.14 Representative Sampling. Samples and measurements required by this permit shall be conducted as specified in this permit and shall be representative of the discharge or monitored activity. (40 CFR 122.41 (j)(1))
- 1.15 Additional Sampling. If the Permittee monitors more frequently than required, the results and the frequency of monitoring shall be reported on the Discharge Monitoring Report (DMR) or another MPCA-approved form for that reporting period. (Minn. R. 7001.1090, subp. 1, item E)
- 1.16 Certified Laboratory. A laboratory certified by the Minnesota Department of Health and/or registered by the MPCA shall conduct analyses required by this permit. Analyses of dissolved oxygen, pH, temperature, specific conductance, and total residual oxidants (chlorine, bromine) do not need to be completed by a certified laboratory but shall comply with manufacturers specifications for equipment calibration and use. (Minn. Stat. Sec. 144.97 through 144.98 and Minn. R. 4740.2010 and 4740.2050 through 4740.2120) (Minn. R. 4740.2010 and 4740.2050 through 2120)
- 1.17 Sample Preservation and Procedure. Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and Minn. R. 7041.3200.
- 1.18 Equipment Calibration: Flow meters, pumps, flumes, lift stations or other flow monitoring equipment used for purposes of determining compliance with permit shall be checked and/or calibrated for accuracy at least twice annually. (Minn. R. 7001.0150, subp. 2, items B and C)
- 1.19 Maintain Records. The Permittee shall keep the records required by this permit for at least three years, including any calculations, original recordings from automatic monitoring instruments, and laboratory sheets. The Permittee shall extend these record retention periods upon request of the MPCA. The Permittee shall maintain records for each sample and measurement. The records shall include the following information (Minn. R. 7001.0150, subp. 2, item C):
- a. The exact place, date, and time of the sample or measurement;
 - b. The date of analysis;
 - c. The name of the person who performed the sample collection, measurement, analysis, or calculation; and
 - d. The analytical techniques, procedures and methods used; and
 - e. The results of the analysis.

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.20 Completing Reports. The Permittee shall submit the results of the required sampling and monitoring activities on the forms provided, specified, or approved by the MPCA. The information shall be recorded in the specified areas on those forms and in the units specified. (Minn. R. 7001.1090, subp. 1, item D; Minn. R. 7001.0150, subp. 2, item B)

Required forms may include:

DMR Supplemental Form

Individual values for each sample and measurement must be recorded on the DMR Supplemental Form which, if required, will be provided by the MPCA. DMR Supplemental Forms shall be submitted with the appropriate DMRs. You may design and use your own supplemental form; however it must be approved by the MPCA. Note: Required summary information **MUST** also be recorded on the DMR. Summary information that is submitted **ONLY** on the DMR Supplemental Form does not comply with the reporting requirements.

- 1.21 Submitting Reports. DMRs and Supplementals shall be submitted to:

MPCA

Attn: Discharge Monitoring Reports
520 Lafayette Road North
St. Paul, Minnesota 55155-4194.

DMRs, DMR supplemental forms and related attachments may be electronically submitted via the MPCA Online Services Portal after authorization is approved. When electronically submitted, the paper DMR submittal requirement is waived.

DMRs and DMR Supplemental Forms shall be postmarked or electronically submitted by the 21st day of the month following the sampling period or as otherwise specified in this permit. Electronic DMR submittal must be complete on or before 11:59 PM of the 21st day of the month following the sampling period or as otherwise specified in this permit. A DMR shall be submitted for each required station even if no discharge occurred during the reporting period. (Minn. R. 7001.0150, subps. 2.B and 3.H)

Other reports required by this permit shall be postmarked by the date specified in the permit to:

MPCA

Attn: WQ Submittals Center
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

- 1.22 Incomplete or Incorrect Reports. The Permittee shall immediately submit an amended report or DMR to the MPCA upon discovery by the Permittee or notification by the MPCA that it has submitted an incomplete or incorrect report or DMR. The amended report or DMR shall contain the missing or corrected data along with a cover letter explaining the circumstances of the incomplete or incorrect report. (Minn. R. 7001.0150 subp. 3, item G)
- 1.23 Required Signatures. All DMRs, forms, reports, and other documents submitted to the MPCA shall be signed by the Permittee or the duly authorized representative of the Permittee. Minn. R. 7001.0150, subp. 2, item D. The person or persons that sign the DMRs, forms, reports or other documents must certify that he or she understands and complies with the certification requirements of Minn. R. 7001.0070 and 7001.0540, including the penalties for submitting false information. Technical documents, such as design drawings and specifications and engineering studies required to be submitted as part of a permit application or by permit conditions, must be certified by a registered professional engineer. (Minn. R. 7001.0540)

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.24 Detection Level. The Permittee shall report monitoring results below the reporting limit (RL) of a particular instrument as "<" the value of the RL. For example, if an instrument has a RL of 0.1 mg/L and a parameter is not detected at a value of 0.1 mg/L or greater, the concentration shall be reported as "<0.1 mg/L." "Non-detected," "undetected," "below detection limit," and "zero" are unacceptable reporting results, and are permit reporting violations. (Minn. R. 7001.0150, subp. 2, item B)

Where sample values are less than the level of detection and the permit requires reporting of an average, the Permittee shall calculate the average as follows:

- a. If one or more values are greater than the level of detection, substitute zero for all nondetectable values to use in the average calculation.
 - b. If all values are below the level of detection, report the averages as "<" the corresponding level of detection.
 - c. Where one or more sample values are less than the level of detection, and the permit requires reporting of a mass, usually expressed as kg/day, the Permittee shall substitute zero for all nondetectable values. (Minn. R. 7001.0150, subp. 2, item B)
- 1.25 Records. The Permittee shall, when requested by the Agency, submit within a reasonable time the information and reports that are relevant to the control of pollution regarding the construction, modification, or operation of the facility covered by the permit or regarding the conduct of the activity covered by the permit. (Minn. R. 7001.0150, subp. 3, item H)
- 1.26 Confidential Information. Except for data determined to be confidential according to Minn. Stat. Sec. 116.075, subd. 2, all reports required by this permit shall be available for public inspection. Effluent data shall not be considered confidential. To request the Agency maintain data as confidential, the Permittee must follow Minn. R. 7000.1300.

Noncompliance and Enforcement

- 1.27 Subject to Enforcement Action and Penalties. Noncompliance with a term or condition of this permit subjects the Permittee to penalties provided by federal and state law set forth in section 309 of the Clean Water Act; United States Code, title 33, section 1319, as amended; and in Minn. Stat. Sec. 115.071 and 116.072, including monetary penalties, imprisonment, or both. (Minn. R. 7001.1090, subp. 1, item B)
- 1.28 Criminal Activity. The Permittee may not knowingly make a false statement, representation, or certification in a record or other document submitted to the Agency. A person who falsifies a report or document submitted to the Agency, or tampers with, or knowingly renders inaccurate a monitoring device or method required to be maintained under this permit is subject to criminal and civil penalties provided by federal and state law. (Minn. R. 7001.0150, subp.3, item G., 7001.1090, subps. 1, items G and H and Minn. Stat. Sec. 609.671)
- 1.29 Noncompliance Defense. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (40 CFR 122.41(c))

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.30 Effluent Violations. If sampling by the Permittee indicates a violation of any discharge limitation specified in this permit, the Permittee shall immediately make every effort to verify the violation by collecting additional samples, if appropriate, investigate the cause of the violation, and take action to prevent future violations. If the permittee discovers that noncompliance with a condition of the permit has occurred which could endanger human health, public drinking water supplies, or the environment, the Permittee shall within 24 hours of the discovery of the noncompliance, orally notify the commissioner and submit a written description of the noncompliance within 5 days of the discovery. The written description shall include items a. through e., as listed below. If the Permittee discovers other non-compliance that does not explicitly endanger human health, public drinking water supplies, or the environment, the non-compliance shall be reported during the next reporting period to the MPCA with its Discharge Monitoring Report (DMR). If no DMR is required within 30 days, the Permittee shall submit a written report within 30 days of the discovery of the noncompliance. This description shall include the following information:
- a. a description of the event including volume, duration, monitoring results and receiving waters;
 - b. the cause of the event;
 - c. the steps taken to reduce, eliminate and prevent reoccurrence of the event;
 - d. the exact dates and times of the event; and
 - e. steps taken to reduce any adverse impact resulting from the event. (Minn. R. 7001.0150, subp. 3k)
- 1.31 Unauthorized Releases of Wastewater Prohibited. Except for conditions specifically described in Minn. R. 7001.1090, subp. 1, items J and K, all unauthorized bypasses, overflows, discharges, spills, or other releases of wastewater or materials to the environment, whether intentional or not, are prohibited. However, the MPCA will consider the Permittee's compliance with permit requirements, frequency of release, quantity, type, location, and other relevant factors when determining appropriate action. (40 CFR 122.41 and Minn. Stat. Sec 115.061)

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Chapter 3. Total Facility Requirements

1. General Requirements

1.32 Discovery of a release. Upon discovery of a release, the Permittee shall:

- a. Take all reasonable steps to immediately end the release.
- b. Notify the Minnesota Department of Public Safety Duty Officer at 1(800)422-0798 or (651)649-5451 (metro area) immediately upon discovery of the release. You may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area).
- c. Recover as rapidly and as thoroughly as possible all substances and materials released or immediately take other action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If the released materials or substances cannot be immediately or completely recovered, the Permittee shall contact the MPCA. If directed by the MPCA, the Permittee shall consult with other local, state or federal agencies (such as the Minnesota Department of Natural Resources and/or the Wetland Conservation Act authority) for implementation of additional clean-up or remediation activities in wetland or other sensitive areas.
- d. Collect representative samples of the release. The Permittee shall sample the release for parameters of concern immediately following discovery of the release. The Permittee may contact the MPCA during business hours to discuss the sampling parameters and protocol. In addition, Fecal Coliform Bacteria samples shall be collected where it is determined by the Permittee that the release contains or may contain sewage. If the release cannot be immediately stopped, the Permittee shall consult with MPCA regarding additional sampling requirements. Samples shall be collected at least, but not limited to, two times per week for as long as the release continues.
- e. Submit the sampling results as directed by the MPCA. At a minimum, the results shall be submitted to the MPCA with the next DMR.

1.33 Upset Defense. In the event of temporary noncompliance by the Permittee with an applicable effluent limitation resulting from an upset at the Permittee's facility due to factors beyond the control of the Permittee, the Permittee has an affirmative defense to an enforcement action brought by the Agency as a result of the noncompliance if the Permittee demonstrates by a preponderance of competent evidence:

- a. The specific cause of the upset;
- b. That the upset was unintentional;
- c. That the upset resulted from factors beyond the reasonable control of the Permittee and did not result from operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or increases in production which are beyond the design capability of the treatment facilities;
- d. That at the time of the upset the facility was being properly operated;
- e. That the Permittee properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1, item I; and
- f. That the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3, item J.

Operation and Maintenance

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.34 The Permittee shall at all times properly operate and maintain the facilities and systems of treatment and control, and the appurtenances related to them which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The Permittee shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible Minn. R. 7001.0150. subp. 3, item F.
- 1.35 In the event of a reduction or loss of effective treatment of wastewater at the facility, the Permittee shall control production or curtail its discharges to the extent necessary to maintain compliance with the terms and conditions of this permit. The Permittee shall continue this control or curtailment until the wastewater treatment facility has been restored or until an alternative method of treatment is provided. (Minn. R. 7001.1090, subp. 1, item C)
- 1.36 Solids Management. The Permittee shall properly store, transport, and dispose of biosolids, septage, sediments, residual solids, filter backwash, screenings, oil, grease, and other substances so that pollutants do not enter surface waters or ground waters of the state. Solids should be disposed of in accordance with local, state and federal requirements. (40 CFR 503 and Minn. R. 7041 and applicable federal and state solid waste rules)
- 1.37 Scheduled Maintenance. The Permittee shall schedule maintenance of the treatment works during non-critical water quality periods to prevent degradation of water quality, except where emergency maintenance is required to prevent a condition that would be detrimental to water quality or human health. (Minn. R. 7001.0150. subp. 3, item F and Minn. R. 7001.0150. subp. 2, item B)
- 1.38 Control Tests. In-plant control tests shall be conducted at a frequency adequate to ensure compliance with the conditions of this permit. (Minn. R. 7001.0150. subp. 3, item F and Minn. R. 7001.0150. subp. 2, item B)

Changes to the Facility or Permit

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.39 Permit Modifications. Except as provided under Minnesota Statutes, section 115.07, subdivisions 1 and 3, no person required by statute or rule to obtain a permit may construct, install, modify, or operate the facility to be permitted, nor shall a person commence an activity for which a permit is required by statute or rule until the agency has issued a written permit for the facility or activity. (Minn. R. 7001.0030)

Permittees that propose to make a change to the facility or discharge that requires a permit modification must follow Minn. R. 7001.0190. If the Permittee cannot determine whether a permit modification is needed, the Permittee must contact the MPCA prior to any action. It is recommended that the application for permit modification be submitted to the MPCA at least 180 days prior to the planned change.

- 1.40 No person required by statute or rule to obtain a permit may construct, install, modify, or operate the facility to be permitted except as provided under Minnesota Statutes, section 115.07, subdivisions 1 and 3, nor shall a person commence an activity for which a permit is required by statute or rule until the agency has issued a written permit for the facility or activity.
- 1.41 Plans, specifications and MPCA approval are not necessary when maintenance dictates the need for installation of new equipment, provided the equipment is the same design size and has the same design intent. For instance, a broken pipe, lift station pump, aerator, or blower can be replaced with the same design-sized equipment without MPCA approval.

If the proposed construction is not expressly authorized by this permit, it may require a permit modification. If the construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until a negative declaration is issued and all approvals are received or implemented.

- 1.42 Report Changes. The Permittee shall give advance notice as soon as possible to the MPCA of any substantial changes in operational procedures, activities that may alter the nature or frequency of the discharge, and/or material factors that may affect compliance with the conditions of this permit. (Minn. R. 7001.0150, subp. 3, item M)
- 1.43 Chemical Additives. The Permittee shall receive prior written approval from the MPCA before increasing the use of a chemical additive authorized by this permit, or using a chemical additive not authorized by this permit, in quantities or concentrations that have the potential to change the characteristics, nature and/or quality of the discharge.

The Permittee shall request approval for an increased or new use of a chemical additive at least 60 days, or as soon as possible, before the proposed increased or new use.

This written request shall include at least the following information for the proposed additive:

- a. The process for which the additive will be used;
- b. Material Safety Data Sheet (MSDS) which shall include aquatic toxicity, human health, and environmental fate information for the proposed additive. The aquatic toxicity information shall include at minimum the results of: a) a 48-hour LC50 or EC50 acute study for a North American freshwater planktonic crustacean (either Ceriodaphnia or Daphnia sp.) and b) a 96-hour LC50 acute study for rainbow trout, bluegill or fathead minnow or another North American freshwater aquatic species other than a planktonic crustacean;
- c. A complete product use and instruction label;
- d. The commercial and chemical names and Chemical Abstract Survey (CAS) number for all ingredients in the additive (If the MSDS does not include information on chemical composition, including percentages for each ingredient totaling to 100%, the Permittee shall contact the supplier to have this information provided); and
- e. The proposed method of application, application frequency, concentration, and daily average and maximum rates of use. (Minn. R. 7001.0170)

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.44 Upon review of the information submitted regarding the proposed chemical additive, the MPCA may require additional information be submitted for consideration. This permit may be modified to restrict the use or discharge of a chemical additive and include additional influent and effluent monitoring requirements.

Approval for the use of an additive shall not justify the exceedance of any effluent limitation nor shall it be used as a defense against pollutant levels in the discharge causing or contributing to the violation of a water quality standard.

- 1.45 MPCA Initiated Permit Modification, Suspension, or Revocation. The MPCA may modify or revoke and reissue this permit pursuant to Minn. R. 7001.0170. The MPCA may revoke without reissuance this permit pursuant to Minn. R. 7001.0180.
- 1.46 TMDL Impacts. Facilities that discharge to an impaired surface water, watershed or drainage basin may be required to comply with additional permits or permit requirements, including additional restriction or relaxation of limits and monitoring as authorized by the CWA 303(d)(4)(A) and 40 CFR 122.44.1.2.i., necessary to ensure consistency with the assumptions and requirements of any applicable US EPA approved wasteload allocations resulting from Total Maximum Daily Load (TMDL) studies.
- 1.47 Permit Transfer. The permit is not transferable to any person without the express written approval of the Agency after compliance with the requirements of Minn. R. 7001.0190. A person to whom the permit has been transferred shall comply with the conditions of the permit. (Minn. R., 7001.0150, subp. 3, item N)
- 1.48 Facility Closure. The Permittee is responsible for closure and post-closure care of the facility. The Permittee shall notify the MPCA of a significant reduction or cessation of the activities described in this permit at least 180 days before the reduction or cessation. The MPCA may require the Permittee to provide to the MPCA a facility Closure Plan for approval.

Facility closure that could result in a potential long-term water quality concern, such as the ongoing discharge of wastewater to surface or ground water, may require a permit modification or reissuance.

The MPCA may require the Permittee to establish and maintain financial assurance to ensure performance of certain obligations under this permit, including closure, post-closure care and remedial action at the facility. If financial assurance is required, the amount and type of financial assurance, and proposed modifications to previously MPCA-approved financial assurance, shall be approved by the MPCA. (Minn. Stat. Sec. 116.07, subd. 4)

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Chapter 3. Total Facility Requirements

1. General Requirements

- 1.49 Permit Reissuance. If the Permittee desires to continue permit coverage beyond the date of permit expiration, the Permittee shall submit an application for reissuance at least 180 days before permit expiration. If the Permittee does not intend to continue the activities authorized by this permit after the expiration date of this permit, the Permittee shall notify the MPCA in writing at least 180 days before permit expiration.

If the Permittee has submitted a timely application for permit reissuance, the Permittee may continue to conduct the activities authorized by this permit, in compliance with the requirements of this permit, until the MPCA takes final action on the application, unless the MPCA determines any of the following (Minn. R. 7001.0040 and 7001.0160):

- a. The Permittee is not in substantial compliance with the requirements of this permit, or with a stipulation agreement or compliance schedule designed to bring the Permittee into compliance with this permit;
- b. The MPCA, as a result of an action or failure to act by the Permittee, has been unable to take final action on the application on or before the expiration date of the permit;
- c. The Permittee has submitted an application with major deficiencies or has failed to properly supplement the application in a timely manner after being informed of deficiencies.