

AIR EMISSION PERMIT NO. 13700113 - 004

**IS ISSUED TO
UNITED TACONITE, LLC**

United Taconite, LLC – Plant Site

County Highway 16
Forbes, St. Louis County, MN 55738

The emission units, control equipment and emission stacks at the stationary source authorized in this permit are as described in the following permit application(s):

Permit Type	Application Date
Total Facility Operating Permit	January 17, 1995
Adm. Amendment – test deadline extension	December 8, 2000
Minor Amendment – pellet loadout equipment replacement for fire damage in October 2000	December 15, 2000 (revised January 3, 2001)
Major Amendment (Current Permit Action); Administrative Amendment (Current Permit Action) – Combustion of Flint Hills’ coker pond fines	Feb. 25, 2002; March 25, 2002 letter; April 10, 2002 letter; March 28, 2002 Order of the MPCA Citizens’ Board
Administrative Amendment for ownership change	November 26, 2003
Administrative Amendment for extension of performance test due dates for selected emission units.	

This permit authorizes the Permittee to operate and construct the stationary source at the address listed above unless otherwise noted in Table A. The Permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit are defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Permit Type: Administrative Amendment

Issue Date: January 7, 2004

Expiration:* February 23, 2005

* All Title I Conditions do not Expire.

Ann M. Foss
Major Facilities Section Manager
Majors and Remediation Division

For: Sheryl A. Corrigan
Commissioner
Minnesota Pollution Control Agency

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Permit Shield

Facility Description

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Table B: Submittals

Table C: Compliance Schedule (No change with Action 002 or Action 003)

Appendices: Attached and Referenced in Table A

NOTICE TO THE PERMITTEE:

Your stationary source may be subject to the requirements of the Minnesota Pollution Control Agency's (MPCA) solid waste, hazardous waste, and water quality programs. If you wish to obtain information on these programs, including information on obtaining any required permits, please contact the MPCA general information number at:

Metro Area	(651) 296-6300
Outside Metro Area	1-800-657-3864
TTY	(651) 282-5332

The rules governing these programs are contained in Minn. R. chs. 7000-7105. Written questions may be sent to: Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

Questions about this air emission permit or about air quality requirements can also be directed to the telephone numbers and address listed above.

PERMIT SHIELD:

Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Subject to the limitations of Minn. R. 7007.1800 and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

FACILITY DESCRIPTION:

Crushed ore is unloaded in a covered building. The ore is then transferred by a covered conveyor to the fines crusher building where it is immediately crushed at the third stage crusher or sent to the coarse ore surge pile. The coarse ore surge pile is used to store ore between train shipments or during times when the crusher is down.

Ore is returned from the coarse ore surge pile and fed into one of the five third-stage crushers. Particulate emissions from the third-stage crushers are controlled by wet scrubbers. The oversize material is conveyed to one of eight fourth-stage crushers. Each fourth-stage crusher has a dedicated wet scrubber to control particulate emissions. Undersize material is transferred to the fine ore surge building. Oversize material is recirculated to the fourth stage crushers.

Five concentrator lines receive ore from the fine ore surge building. Particulate emissions from the transfer of fine ore to the concentrator lines are controlled using wet scrubbers. Here ore is ground and magnetic separators remove the magnetite ore from the tailings. Low-magnetic coarse tailings are transported by truck for use as construction material for the tailing basin sidewalls. Fine tailings are pumped in slurry form to the tailings basin. Processes performed in the concentrator are wet operations.

Concentrate is piped as a slurry to the pelletizing plant. The slurry is dewatered with filters and additives are introduced. Green pellets are produced in balling drums and conveyed to one of two travelling grate kilns. Grate feed, grate discharge, kiln induration, and kiln cooler emissions are controlled with wet scrubbers.

Fired pellets are conveyed to pellet storage silos. Pellets are then loaded into rail cars and transported from the facility. Particulate emissions from the pellets are controlled with wet scrubbers and dust suppressants. Intermediate products and byproducts, including but not limited to rocks, tailings, and concentrate, are also sold by the Permittee.

Supporting activities in the Fairlane Plant include maintenance shops and offices.

AN ADMINISTRATIVE AMENDMENT WITH ACTION 004:

The Permittee requested in a letter dated November 20, 2003, and in a letter and Administrative Amendment application dated December 12, 2003, that due to an extended shutdown of the Fairlane Plant from May until late December, 2003, an extension was needed to conduct performance stack testing. The Permittee requested an extension for 9 emission units that were required by Air Emission Permit No. 13700113 – 003 to be tested by December 31, 2003. The Permittee's amendment request asked that the new test completion date for these 9 emission units be set at June 30, 2004. Extending the test schedule for these sources will provide the Permittee sufficient time to restart the facility, stabilize the operation, and complete the testing under worst case conditions, which include operating at full production. Minn. R. 7007.1400, subp. 1.H. authorizes the Agency to extend test deadlines up to 365 days to test at worst case conditions. This amendment provides until June 30, 2004, to test those units identified as SV042, SV048, SV049, SV020, SV008, SV009, SV010, SV039, and SV040.

Staff Members on Permit Team: Bob Beresford, Hongming Jiang

APPENDICES

APPENDIX A { Not applicable to this permit }

APPENDIX B. VISIBLE EMISSION CHECKLISTS (No
change with Action 002 or Action 003)

APPENDIX C. INAPPLICABLE REQUIREMENTS AND
INSIGNIFICANT ACTIVITIES

APPENDIX B

VISIBLE EMISSION CHECKLISTS

Fairlane Plant Daily Fugitive Emissions Inspection

Fine Crusher Daily Stack Emissions Inspection

Concentrator Daily Stack Emissions Inspection

Pellet Plant Daily Stack Emissions Inspection

EVTAC Mining

Fairlane Plant Daily Fugitive Emissions Inspection

Visual inspection of fugitive dust areas is to be recorded on day shift Saturday through Friday.

Record an "OK" if fugitive dust is not visible.

Record an "RA" if fugitive dust is visible and requires attention.

If "RA" is recorded, note the corrective action taken in the comments area. If unable to correct, note the reason why and notify the Environmental Engineer.

Record the temperature, wind direction and speed, weather conditions, date, time and initial each daily inspection.

At the end of each week, send completed inspection form to the Environmental Engineer to file.

FS	Service Area	Sat	Sun	Mon	Tue	Wed	Thu	Fri
001	Haul road to Basin 1							
001	Haul road to Basin 2							
001	Basin 1 dike and road							
001	Basin 2 dike and road							
002	Basin 1 beach							
002	Basin 2 beach							
004	Concentrate reclaim area							
005	Coarse ore surge pile							
012	Service roads							
014	Pellet reclaim area							
024	Pellet reclaim area							
029	Fine ore surge F9 belt to F10							
030	Fine ore surge F10 belt to pile							
031	21 belt to 21B belt							
032	Pellet loadout north conveyor							
033	Pellet loadout railcar loading							
	Temperature							
	Wind direction & speed							
	Weather conditions code *							
	Year _____ Date ►							
	Time							
	Initials							

* Weather conditions codes: S-sunny C-cloudy P-partly cloudy R-rain Sn-snow F-fog

Corrective Actions/Comments:

Date ____/____/____ Employee _____ # _____

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Fairlane Plant Daily Stack Emissions Inspection

Visual inspection of each stack is to be recorded on day shift Saturday through Friday.

Record "OK" if equipment does not require attention.

Record "RA" if equipment requires attention to reduce visible emissions from the stack.

Record actions taken to remedy problems that require attention ("RA" items).

Record "Moist" if moisture plume limits visible emissions observations.

If the unit is down for more than one hour and the service area is active, notify the Environmental

Engineer with the following information: Unit number, time it went down, why it went down, and when it is expected to be operating again.

At the end of each week, send completed inspection form to Environmental Engineer to file.

EU	CE	SV	Sys #	Service Area	Sat	Sun	Mon	Tue	Wed	Thu	Fri
001	004	007	1	Crude ore unloading							
002	002	008	10A	Crude ore unloading							
002	005	009	10B	Crude ore unloading							
004	006	010	26	Coarse ore surge							
005	007	011	11	1C crusher							
006	008	012	12	2C crusher							
007	009	013	13	3C crusher							
008	010	014	14	4C crusher							
009	011	015	15	5C crusher							
010	001	016	21	3 rd stage bins							
011	012	017	2	1F crusher							
012	013	018	3	2F crusher							
013	014	019	4	3F crusher							
014	015	020	5	4F crusher							
015	016	021	5A	5F crusher							
016	017	022	17	6F crusher							
017	018	023	18	7F crusher							
018	019	024	19	8F crusher							
019	024	025	20	4 th stage bins							
020	025	026	16	Transfer house (North)							
021	026	028	22	Transfer house (South)							
				Year Date ►							
				Time							
				Initials							

Record corrective actions or comments for each "RA". Also record pressure drop and/or water pressure/flow for each unit that moisture plume interferes with the observation.

Date ____/____/____ Employee _____ # _____

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Concentrator Daily Stack Emissions Inspection

Visual inspection of each stack is to be recorded on day shift Saturday through Friday.

Record "OK" if equipment does not require attention.

Record "RA" if equipment requires attention to reduce visible emissions from the stack.

Record actions taken to remedy problems that require attention ("RA" items).

Record "Moist" if moisture plume limits visible emissions observations.

If the unit is down for more than one hour and the service area is active, notify the Environmental

Engineer with the following information: Unit number, time it went down, why it went down,
and when it is expected to be operating again.

At the end of each week, send completed inspection form to Environmental Engineer to file.

EU	CE	SV	Sys #	Service Area	Sat	Sun	Mon	Tue	Wed	Thu	Fri
023	027	029	7	#1 rod mill feed							
024	028	030	8	#2 rod mill feed							
025	029	031	22	#3 rod mill feed							
026	030	032	23	#4 rod mill feed							
027	031	033	24	#5 rod mill feed							
				Year Date ►							
				Time							
				Initials							

Record corrective actions or comments for each "RA". Also record pressure drop and/or water pressure/flow for each unit that moisture plume interferes with the observation.

Date ____/____/____ Employee _____ # _____

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Pellet Plant Daily Stack Emissions Inspection

Visual inspection of each stack is to be recorded on day shift Saturday through Friday.

Record "OK" if equipment does not require attention.

Record "RA" if equipment requires attention to reduce visible emissions from the stack.

Record actions taken to remedy problems that require attention ("RA" items).

Record "Moist" if moisture plume limits visible emissions observations.

If the unit is down for more than one hour and the service area is active, notify the Environmental Engineer with the following information: Unit number, time it went down, why it went down, and when it is expected to be operating again.

At the end of each week, send completed inspection form to Environmental Engineer to file.

EU	CE	SV	Sys#	Service Area	Sat	Sun	Mon	Tue	Wed	Thu	Fri
028	051	034		Line 1 CaCO ₃ (Bent)							
029	052	035		Line 1 Na ₂ CO ₃ & Binder							
030	043	036		Line 2 bentonite bins							
031	044	037		Line 2 bentonite addition							
032	058 057	038		Binder bins (soda ash)							
033	045	039		Line 2 grate feed							
034	046	040		Line 2 grate discharge							
035	047	041		Line 2 cooler discharge							
036	--	042		Line 2 cooler exhaust							
037	053	043		Line 1 grate feed							
038	054	044		Line 1 grate discharge							
039	055	045		Line 1 cooler discharge							
040	056	046		Line 1 induration							
041	--	047		Line 1 cooler exhaust							
042	050	048		East line 2 induration							
042	049	049		West line 2 induration							
035	033	050		Line 1 product conveyor							
046	034	052		Line 2 pellet loadout							
047	--	053		Coal silo building							
048	--	054		Coal day bin							
057	041	057		Binder day bin air relief							
058	042	058		Binder addition							
035	060	070		Line 2 cooler discharge							
				Year Date ►							
				Time							
				Initials							

Record corrective actions or comments for each "RA". Also record pressure drop and/or water pressure/flow for each unit that moisture plume interferes with the observation.

Date ____/____/____ Employee _____ # _____

APPENDIX C

INAPPLICABLE REQUIREMENTS

AND

INSIGNIFICANT ACTIVITIES

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Inapplicable Requirements

1. 40 CFR 60, subpart D “Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971.”
2. 40 CFR 60, subpart Da “Standards of Performance for Electric Utility Steam Generating Units for Which Construction Is Commenced After September 18, 1978.”
3. 40 CFR 60, subpart Db “Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.”
4. 40 CFR 60, subpart Dc “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.”
5. 40 CFR 60, subpart K “Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978.”
6. 40 CFR 60, subpart Ka “Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 19, 1978, and Prior to July 23, 1984.”
7. 40 CFR 60, subpart Kb “Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984.”

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Insignificant Activities

SV	EU	Emission Unit Description	Basis
		Carpentry Shop (Plant Shop)	Minn.R. 7007.1300, subp.3, D(2)
		Laboratory	Minn.R. 7007.1300, subp.3, G
		Welding Equipment	Minn.R. 7007.1300, subp.3, H(4)
		Emergency Generators	Minn.R. 7007.1300, subp.4
		Sandblaster (Plant Shop)	Minn.R. 7007.1300, subp.4
		Storage Tank: 10,000 gal - Gasoline (Tank 15F)	Minn.R. 7007.1300, subp.3, E(1)
		Storage Tank: 10,000 gal - Antifreeze (Tank 130)	Minn.R. 7007.1300, subp.3, E(2)
		Storage Tank: 1,000,000 gal - Fuel Oil (Tank 120)	Minn.R. 7007.1300, subp.4
		Storage Tank: 1,000,000 gal - Fuel Oil (Tank 121)	Minn.R. 7007.1300, subp.4
053	047	Coal Silo Building	Minn.R. 7007.1300, subp.3, I
054	048	Coal Day Bin 1	Minn.R. 7007.1300, subp.3, I
059	059	Zinc Pot #1	Minn.R. 7007.1300, subp.3, I
060	060	Zinc Pot #2	Minn.R. 7007.1300, subp.3, I
061	061	Paint Booth (4 Paint Guns)	Minn.R. 7007.1300, subp.3, I
105	049	General Office Boiler	Minn.R. 7007.1300, subp.4
106	050	Fairlane Office Boiler	Minn.R. 7007.1300, subp.3, I
210	210	Space Heater (F.C. NW Corner)	Minn.R. 7007.1300, subp.4
211	211	Space Heater (F.C. South Wall)	Minn.R. 7007.1300, subp.4
212	212	Space Heater (F.C. by Freight Elevator)	Minn.R. 7007.1300, subp.4
213	213	Space Heater (F.C. East Wall)	Minn.R. 7007.1300, subp.4
214	214	Space Heater (F.C. SE Corner)	Minn.R. 7007.1300, subp.4
216	216	Space Heater (Transfer House, By MCC Room)	Minn.R. 7007.1300, subp.4
217	217	Space Heater (Transfer House, Center)	Minn.R. 7007.1300, subp.4
218	218	Space Heater (Transfer House, SE Corner)	Minn.R. 7007.1300, subp.4
219	219	Make-up Heater (Transfer House, West Wall)	Minn.R. 7007.1300, subp.4
220	220	Space Heater (Pellet Plant, Cooler Sump)	Minn.R. 7007.1300, subp.4
221	221	Space Heater (Pellet Plant, South Door)	Minn.R. 7007.1300, subp.4
222	222	Space Heater (Pellet Plant, Conv 21A Head)	Minn.R. 7007.1300, subp.4
223	223	Space Heater (Pellet Plant, Above CBSH-1)	Minn.R. 7007.1300, subp.4
224	224	Space Heater (Coal Transfer, Take-up area)	Minn.R. 7007.1300, subp.3, A
225	225	Space Heater (Coal Transfer, Silo Grade)	Minn.R. 7007.1300, subp.4
226	226	Space Heater (Coal Transfer, Day Bin)	Minn.R. 7007.1300, subp.4
227	227	Make-up Heater (Unloading Pocket, Penthouse)	Minn.R. 7007.1300, subp.3, A
228	228	Space Heater (Unloading Pocket, MCC Room)	Minn.R. 7007.1300, subp.3, A
229	229	Space Heater (Unloading Pocket, Pan Feeder Floor)	Minn.R. 7007.1300, subp.3, A
230	230	Space Heater (Reel House, Top Floor)	Minn.R. 7007.1300, subp.3, A
231	231	Space Heater (Reel House, Grade)	Minn.R. 7007.1300, subp.3, A
232	232	Space Heater (Fines Crusher, South Door)	Minn.R. 7007.1300, subp.3, A
233	233	Make-up Heater (Fines Crusher, SW Corner)	Minn.R. 7007.1300, subp.3, A
234	234	Space Heater (Fines Crusher, SW Corner)	Minn.R. 7007.1300, subp.3, A

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Insignificant Activities (Continued)

SV	EU	Emission Unit Description	Basis
235	235	Space Heater (Fines Crusher, South Wall)	Minn.R. 7007.1300, subp.3, A
236	236	Make-up Heater (Fines Crusher, NW Corner)	Minn.R. 7007.1300, subp.3, A
237	237	Space Heater (Fines Crusher, #2 Belt Elev)	Minn.R. 7007.1300, subp.3, A
238	238	Space Heater (Fines Crusher, #1 Head Pulley)	Minn.R. 7007.1300, subp.3, A
239	239	Space Heater (Fines Crusher, Tunnel Feed)	Minn.R. 7007.1300, subp.3, A
240	240	Make-up Heater (Fines Crusher, Office Area)	Minn.R. 7007.1300, subp.3, A
241	241	Space Heater (Fines Crusher, South MCC)	Minn.R. 7007.1300, subp.3, A
242	242	Space Heater (Fines Crusher, #7 Conv)	Minn.R. 7007.1300, subp.3, A
243	243	Space Heater (Coarse Ore Surge, South Wall)	Minn.R. 7007.1300, subp.3, A
244	244	Make-up Heater (Coarse Ore Surge, West End Tunnel)	Minn.R. 7007.1300, subp.3, A
245	245	Make-up Heater (Coarse Ore Surge, East End)	Minn.R. 7007.1300, subp.3, A
246	246	Space Heater (Transfer House, 5C/9C Conv)	Minn.R. 7007.1300, subp.3, A
247	247	Space Heater (Transfer House, North End)	Minn.R. 7007.1300, subp.4
248	248	Make-up Heater (Transfer House, SE Corner)	Minn.R. 7007.1300, subp.3, A
249	249	Space Heater (Transfer House, FO Surge MCC)	Minn.R. 7007.1300, subp.3, A
250	250	Space Heater (Truck Shop, Steam Room)	Minn.R. 7007.1300, subp.3, A
251	251	Space Heater (Truck Shop, Steam Jenny)	Minn.R. 7007.1300, subp.3, A
252	252	Make-up Heater (Truck Shop, Maintenance)	Minn.R. 7007.1300, subp.3, A
253	253	Space Heater (Maintenance Shops, Steam Jenny)	Minn.R. 7007.1300, subp.3, A
254	254	Make-up Heater (Maintenance Shops, Make-ups)	Minn.R. 7007.1300, subp.3, A
255	255	Space Heater (Rubber Shop, Shop)	Minn.R. 7007.1300, subp.3, A
256	256	Space Heater (Rubber Shop, Shop)	Minn.R. 7007.1300, subp.3, A
257	257	Space Heater (Line 1, Mexico, Service Tunnel)	Minn.R. 7007.1300, subp.3, A
258	258	Space Heater (Line 1, Concentrator, West Door)	Minn.R. 7007.1300, subp.3, A
259	259	Space Heater (Line 1, Concentrator, NW Corner)	Minn.R. 7007.1300, subp.3, A
260	260	Space Heater (Line 1, Concentrator, L1 N Wall)	Minn.R. 7007.1300, subp.3, A
261	261	Make-up Heater (Line 1, Concentrator, L1 Gallery)	Minn.R. 7007.1300, subp.3, A
262	262	Space Heater (Line 1, Concentrator, L1 Hvolt MCC)	Minn.R. 7007.1300, subp.3, A
263	263	Make-up Heater (Line 1, Concentrator, L2 Gallery)	Minn.R. 7007.1300, subp.3, A
264	264	Space Heater (Line 1, Concentrator, L2 N Wall)	Minn.R. 7007.1300, subp.3, A
265	265	Make-up Heater (Line 1, Concentrator, N Wall Col 23)	Minn.R. 7007.1300, subp.3, A
266	266	Space Heater (Line 1, Concentrator, L2 Basement)	Minn.R. 7007.1300, subp.3, A
267	267	Space Heater (Line 1, Concentrator, L1 Basement)	Minn.R. 7007.1300, subp.3, A
268	268	Space Heater (Line 1, Concentrator, Above H-29)	Minn.R. 7007.1300, subp.3, A
269	269	Space Heater (Line 1, Concentrator, South Repair Door)	Minn.R. 7007.1300, subp.3, A
270	270	Space Heater (Line 1, Concentrator, Above Elec Shop)	Minn.R. 7007.1300, subp.3, A
271	271	Space Heater (Line 1, Concentrator, Electric Shop)	Minn.R. 7007.1300, subp.3, A
272	272	Space Heater (Line 1, Concentrator, W Warehouse)	Minn.R. 7007.1300, subp.3, A
273	273	Space Heater (Line 1, Concentrator, N Warehouse)	Minn.R. 7007.1300, subp.3, A
274	274	Space Heater (Line 1, Compressor Room, NE Wall)	Minn.R. 7007.1300, subp.3, A

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Insignificant Activities (Continued)

SV	EU	Emission Unit Description	Basis
275	275	Space Heater (Line 1, Compressor Room, NW Wall)	Minn.R. 7007.1300, subp.3, A
276	276	Space Heater (Line 1, Plant Offices, Pipe corr for Lab)	Minn.R. 7007.1300, subp.3, A
277	277	Make-up Heater (Line 1, Main Dry, Utility Room)	Minn.R. 7007.1300, subp.3, A
278	278	Make-up Heater (Line 2, Mexico, East End)	Minn.R. 7007.1300, subp.3, A
279	279	Make-up Heater (Line 2, Mexico, Line 3)	Minn.R. 7007.1300, subp.3, A
280	280	Make-up Heater (Line 2, Mexico, Line 4)	Minn.R. 7007.1300, subp.3, A
281	281	Make-up Heater (Line 2, Mexico, Line 5)	Minn.R. 7007.1300, subp.3, A
282	282	Space Heater (Line 2, Concentrator, L3 N Wall)	Minn.R. 7007.1300, subp.3, A
283	283	Space Heater (Line 2, Concentrator, L4 N Wall)	Minn.R. 7007.1300, subp.3, A
284	284	Space Heater (Line 2, Concentrator, L5 N Wall)	Minn.R. 7007.1300, subp.3, A
285	285	Space Heater (Line 2, Concentrator, N Wall Ball Bins)	Minn.R. 7007.1300, subp.3, A
286	286	Space Heater (Line 2, Concentrator, NE Corner)	Minn.R. 7007.1300, subp.3, A
287	287	Space Heater (Line 2, Concentrator, East Doors)	Minn.R. 7007.1300, subp.3, A
288	288	Space Heater (Line 2, Concentrator, Tails Pumps)	Minn.R. 7007.1300, subp.3, I
289	289	Space Heater (Line 2, Concentrator, Above Tails Pumps)	Minn.R. 7007.1300, subp.3, A
290	290	Space Heater (Line 2, Concentrator, L5 S Wall)	Minn.R. 7007.1300, subp.3, A
291	291	Space Heater (Line 2, Concentrator, L4 S Wall)	Minn.R. 7007.1300, subp.3, A
292	292	Space Heater (Line 2, Concentrator, L3 S Wall)	Minn.R. 7007.1300, subp.3, A
293	293	Space Heater (Line 2, Concentrator, South Door)	Minn.R. 7007.1300, subp.3, A
294	294	Space Heater (Line 2, Concentrator, Near South Door)	Minn.R. 7007.1300, subp.3, A
295	295	Space Heater (Line 2, Tailings Pocket, West Grade)	Minn.R. 7007.1300, subp.3, A
296	296	Space Heater (Line 2, Tailings Pocket, East Grade)	Minn.R. 7007.1300, subp.3, A
297	297	Space Heater (Line 2, Tailings Pocket, Top Floor)	Minn.R. 7007.1300, subp.3, A
298	298	Space Heater (Line 2, Main Dry, Roof)	Minn.R. 7007.1300, subp.3, A
299	299	Space Heater (Line 2, Main Dry, Roof Dry Exp)	Minn.R. 7007.1300, subp.3, A
300	300	Space Heater (Line 1, Plant, Col U-10)	Minn.R. 7007.1300, subp.3, A
301	301	Space Heater (Line 1, Plant, Col U-9)	Minn.R. 7007.1300, subp.3, A
302	302	Space Heater (Line 1, Plant, Col T-9)	Minn.R. 7007.1300, subp.3, A
303	303	Space Heater (Line 1, Plant, Col M-9)	Minn.R. 7007.1300, subp.3, A
304	304	Space Heater (Line 1, Plant, Bentonite Tracks)	Minn.R. 7007.1300, subp.3, A
305	305	Space Heater (Line 1, Plant, Conc Loadout)	Minn.R. 7007.1300, subp.3, A
306	306	Space Heater (Line 1, Plant, Col M-1a)	Minn.R. 7007.1300, subp.3, A
307	307	Space Heater (Line 1, Plant, Col J-1a)	Minn.R. 7007.1300, subp.3, A
308	308	Space Heater (Line 1, Plant, Col A-1a)	Minn.R. 7007.1300, subp.3, A
309	309	Space Heater (Line 1, Plant, Col A-3)	Minn.R. 7007.1300, subp.3, A
310	310	Space Heater (Line 1, Plant, Col B-7)	Minn.R. 7007.1300, subp.3, A
311	311	Space Heater (Line 1, Plant, Col A-9)	Minn.R. 7007.1300, subp.3, A
312	312	Space Heater (Line 1, Plant, Col F-10)	Minn.R. 7007.1300, subp.3, A
313	313	Space Heater (Line 1, Plant, Col F-14)	Minn.R. 7007.1300, subp.3, A
314	314	Space Heater (Line 1, Plant, AT Filter Control)	Minn.R. 7007.1300, subp.3, A

EVTAC Mining

Insignificant Activities (Continued)

SV	EU	Emission Unit Description	Basis
315	315	Space Heater (Line 1, Plant, Col A1-14)	Minn.R. 7007.1300, subp.3, A
316	316	Space Heater (Line 1, Plant, Col A1-13)	Minn.R. 7007.1300, subp.3, A
317	317	Space Heater (Line 1, Plant, Col A1-16)	Minn.R. 7007.1300, subp.3, A
318	318	Space Heater (Line 1, Plant, Col A1-19)	Minn.R. 7007.1300, subp.3, A
319	319	Space Heater (Line 1, Plant, Col B1-19 Filters)	Minn.R. 7007.1300, subp.3, A
320	320	Space Heater (Line 1, Plant, Col B1-19 Grade)	Minn.R. 7007.1300, subp.3, A
321	321	Space Heater (Line 1, Plant, Col B1-20 Grade)	Minn.R. 7007.1300, subp.3, A
322	322	Space Heater (Line 1, Plant, Col B1-22 Grade)	Minn.R. 7007.1300, subp.3, A
323	323	Space Heater (Line 1, Plant, Grade SE Corner)	Minn.R. 7007.1300, subp.3, A
324	324	Space Heater (Line 1, Plant, Col F-24 Grade)	Minn.R. 7007.1300, subp.3, A
325	325	Space Heater (Line 1, Plant, Col F-24 Firing FI)	Minn.R. 7007.1300, subp.3, A
326	326	Space Heater (Line 1, Plant, Col M1-24 Grade)	Minn.R. 7007.1300, subp.3, A
327	327	Space Heater (Line 1, Plant, Col T-24 Firing FI)	Minn.R. 7007.1300, subp.3, A
328	328	Space Heater (Line 1, Plant, Col T-22 Grade)	Minn.R. 7007.1300, subp.3, A
329	329	Space Heater (Line 1, Plant, Conc #31)	Minn.R. 7007.1300, subp.3, A
330	330	Space Heater (Line 1, Plant, Below #8 Thk)	Minn.R. 7007.1300, subp.3, A
331	331	Space Heater (Line 1, Plant, Below #8 Thk)	Minn.R. 7007.1300, subp.3, A
332	332	Space Heater (Line 1, Plant, Feed End MCC)	Minn.R. 7007.1300, subp.3, A
333	333	Space Heater (Line 1, Plant, Discharge End MCC)	Minn.R. 7007.1300, subp.3, A
334	334	Space Heater (Line 1, Plant, Inside Conc Reclaim)	Minn.R. 7007.1300, subp.3, A
335	335	Space Heater (Line 2, Plant, N of Conv 21A Head)	Minn.R. 7007.1300, subp.3, A
336	336	Space Heater (Line 2, Plant, Firing FI)	Minn.R. 7007.1300, subp.3, A
337	337	Space Heater (Line 2, Plant, S of Frt Elev)	Minn.R. 7007.1300, subp.3, A
338	338	Space Heater (Line 2, Plant, N of Frt Elev)	Minn.R. 7007.1300, subp.3, A
339	339	Space Heater (Line 2, Plant, Col N'-18)	Minn.R. 7007.1300, subp.3, A
340	340	Space Heater (Line 2, Plant, Col N'-13)	Minn.R. 7007.1300, subp.3, A
341	341	Space Heater (Line 2, Plant, Col N'-12)	Minn.R. 7007.1300, subp.3, A
342	342	Space Heater (Line 2, Plant, Col R'b Grate FI)	Minn.R. 7007.1300, subp.3, A
343	343	Space Heater (Line 2, Plant, Col T'-10)	Minn.R. 7007.1300, subp.3, A
344	344	Space Heater (Line 2, Plant, W Wall Tin Shop)	Minn.R. 7007.1300, subp.3, A
345	345	Space Heater (Line 2, Plant, Tin Shop Doors)	Minn.R. 7007.1300, subp.3, A
346	346	Space Heater (Line 2, Plant, Col M'-1a Bin Feed)	Minn.R. 7007.1300, subp.3, A
347	347	Space Heater (Line 2, Plant, M' above Tin Shop)	Minn.R. 7007.1300, subp.3, A
348	348	Space Heater (Line 2, Plant, E above Tin Shop)	Minn.R. 7007.1300, subp.3, A
349	349	Space Heater (Line 2, Plant, Col G'-1a Balling)	Minn.R. 7007.1300, subp.3, A
350	350	Make-up Heater (Line 2, Pellet Loadout, Inside Turnover)	Minn.R. 7007.1300, subp.3, A
351	351	Make-up Heater (Line 2, Pellet Loadout, N Wall Turnover)	Minn.R. 7007.1300, subp.3, A
352	352	Make-up Heater (Line 2, Pellet Loadout, S Wall Turnover)	Minn.R. 7007.1300, subp.3, A
353	353	Space Heater (Line 2, Pellet Loadout, S End T/ Bins)	Minn.R. 7007.1300, subp.3, A
354	354	Space Heater (Line 2, Pellet Loadout, N End T/ Bins)	Minn.R. 7007.1300, subp.3, A

EVTAC Mining

Insignificant Activities (Continued)

SV	EU	Emission Unit Description	Basis
355	355	Make-up Heater (Line 2, Pellet Loadout, Above N End)	Minn.R. 7007.1300, subp.3, A
356	356	Space Heater (Line 2, Coal Handling, Unloading)	Minn.R. 7007.1300, subp.3, A
357	357	Space Heater (Line 2, Coal Handling, Unloading Pit)	Minn.R. 7007.1300, subp.3, A
358	358	Space Heater (Line 2, Coal Handling, T/ Silo)	Minn.R. 7007.1300, subp.4
359	359	Space Heater (Line 2, Coal Handling, N of Silo Grade)	Minn.R. 7007.1300, subp.3, A
360	360	Space Heater (Line 2, Fuel Handling, Pump House)	Minn.R. 7007.1300, subp.4
361	361	Space Heater (Fines Crusher, Temporary)	Minn.R. 7007.1300, subp.3, A
362	362	Space Heater (Fines Crusher, Temporary)	Minn.R. 7007.1300, subp.3, A
363	363	Space Heater (Pellet Loadout, Temporary)	Minn.R. 7007.1300, subp.3, A
364	364	Space Heater (Pellet Loadout, Temporary)	Minn.R. 7007.1300, subp.3, A
365	365	Boiler (Line 2, Concentrator, Repair Bay)	Minn.R. 7007.1300, subp.4
The following are associated with fugitive sources (FS):			
FS	Fugitive Source Description		Basis
003	Wind Erosion - Pellet Stockpiles		Minn.R. 7007.1300, subp.3, I
007	Coal Unload		Minn.R. 7007.1300, subp.3, I
008	Wind Erosion - Coal Stockpile		Minn.R. 7007.1300, subp.3, I
009	Concentrate Reclaim - pocket to pile 7 (Front End Loader)		Minn.R. 7007.1300, subp.3, I
010	Pellet Reclaim - pile 2 to grizzly (FEL)		(No longer exists after Action 003)
011	Chips/Sinter Reclaim - pile 9 to screen (FEL)		Minn.R. 7007.1300, subp.3, I
013	Pellet Reclaim - screening		(No longer exists after Action 003)
015	Wind Erosion - Coarse Ore Surge Stockpile		Minn.R. 7007.1300, subp.3, I
016	Concentrate Reclaim - pile 7 to hopper (FEL)		Minn.R. 7007.1300, subp.3, I
017	Concentrate Reclaim - hopper to screen		Minn.R. 7007.1300, subp.3, I
018	Concentrate Reclaim - screening		Minn.R. 7007.1300, subp.3, I
019	Contam. Conc. Reclaim - pile to pile (FEL)		Minn.R. 7007.1300, subp.3, I
020	Contam. Conc. Reclaim - pile to hopper (FEL)		Minn.R. 7007.1300, subp.3, I
021	Contam. Conc. Reclaim - screening		Minn.R. 7007.1300, subp.3, I
022	Sinter Reclaim - pile 10 to 6 (FEL)		Minn.R. 7007.1300, subp.3, I
023	Sinter Reclaim - pile 6 to railcar (FEL)		Minn.R. 7007.1300, subp.3, I
025	Pellet Reclaim - screen to sinter pile 9 (FEL)		Minn.R. 7007.1300, subp.3, I
026	Concentrate Reclaim - conveyor transfers		Minn.R. 7007.1300, subp.3, I
027	Line 1 chunks transfer (pan feeder to pocket)		Minn.R. 7007.1300, subp.3, I
028	Line 2 chunks transfer (pan feeder to pocket)		Minn.R. 7007.1300, subp.3, I
034	Conveyor 2C discharge transfer point		Minn.R. 7007.1300, subp. 4
036	Conveyor 3A discharge transfer point		Minn.R. 7007.1300, subp. 4
037	Conveyor 3C discharge transfer point		Minn.R. 7007.1300, subp. 4
038	Conveyor 3D discharge transfer point		Minn.R. 7007.1300, subp. 4
039	Conveyor 3E discharge transfer point		Minn.R. 7007.1300, subp. 4
040	Conveyor 3F discharge transfer point		Minn.R. 7007.1300, subp. 4

EVTAC Mining
Insignificant Activities (Continued)

FS	Fugitive Source Description	Basis
042	Pellet reclaim – Hopper/grizzly oversize to stockpile transfer	Minn.R. 7007.1300, subp. 3, I
047	Pellet reclaim – Screen fines to stockpile transfer via belt 22Y	Minn.R. 7007.1300, subp. 3, I
048	Pellet reclaim – Screen oversize to stockpile transfer via chute	Minn.R. 7007.1300, subp. 3, I

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Table A contains limits and other requirements with which your facility must comply. The limits are located in the first column of the table (What To do). The limits can be emission limits or operational limits. This column also contains the actions that you must take and the records you must keep to show that you are complying with the limits. The second column of Table A (Why to do it) lists the regulatory basis for these limits. Appendices included as conditions of your permit are listed in Table A under total facility requirements.

Subject Item: Total Facility	
What to do	Why to do it
OPERATIONAL REQUIREMENTS	hdr
Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150. The Permittee shall comply with the requirements of the Fugitive Control Plan as an indicator of compliance with Minn.R. 7011.0150.	Minn. R. 7011.0150
Noise: The Permittee shall comply with Minn. R. 7030.0010 to 7030.0080. This is a state-only requirement and is not enforceable by the EPA administrator or citizens under the Clean Air Act.	Minn. R. 7030.0010 - 7030.0080
Opacity Standards: Opacity standards apply at all times except during periods of start-up, shutdown, and malfunction, and as otherwise provided in an applicable requirement or compliance document. The exemption for periods of start-up, shutdown and malfunction applies only if the conditions of Minn. R. 7011.0010, subp. 4(A), (B), and (C) are met.	Minn. R. 7011.0010, subp. 4
Visible Emissions Check: The Permittee shall check visible emissions once daily when in operation during daylight hours using the visible emissions checklists for all sources included in Appendix B. If, based on completion of the checklist, the Permittee determines that additional investigative or remedial action is required, the Permittee shall investigate process and control equipment, and, if necessary, implement appropriate corrective action.	Minn. R. 7007.0800, subp. 4(D) and Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Visible Emissions Checklists: The Permittee shall use the Stack Emissions Checklists identified in Appendix B. These checklists will become part of the O&M plan upon Plan approval.	Minn. R. 7007.0800, subp. 4(D) and Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
For all units identified in the Stack Emissions Checklists that are controlled by fabric filters, cyclones, and multiclones, a daily check of pressure drop is required if visible emissions in the plume are unreadable due to visible moisture. For all units identified in the Stack Emissions Checklists that are controlled by scrubbers, a daily check of pressure drop and total water pressure is required if the visible emissions in the plume are unreadable due to visible moisture.	Minn. R. 7007.0800, subp. 4(D) and Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Fugitive Dust Observations: Prior to the approval of the Fugitive Control Plan, the Permittee shall use the Fugitive Emissions Checklists to monitor fugitive dust control practices. The Permittee shall observe fugitive dust sources once daily during daylight hours for all units identified in the Fugitive Emissions Checklists. In the event the Permittee makes a finding that attention to fugitive dust sources is required, the Permittee shall investigate the fugitive dust sources and implement corrective action, if necessary. Upon approval of the Fugitive Control Plan the Fugitive Emissions Checklists shall become part of the Plan. The Permittee shall observe fugitive dust sources once daily during daylight hours for all units identified in the Fugitive Emissions Checklists. The Permittee shall use the Fugitive Emissions Checklists in the fugitive dust control plan as a means to indicate when appropriate corrective actions in the fugitive control plan are taken.	Minn. R. 7007.0800, subp. 4(D) and Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Fugitive Sources Visible Emissions Checklists: The Permittee shall use Fugitive Emissions Checklist identified in Appendix B. These checklist(s) will become part of the Fugitive Control Plan upon Plan approval.	Minn. R. 7007.0800, subp. 4(D) and Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Visible Emissions Training: The Permittee shall (1) ensure that one employee obtain an initial EPA Method 9 certification and be recertified every three years or (2) employ a similarly certified contractor. This person will train other employees to perform the daily visible emissions check as detailed in the O&M Plan and Fugitive Control Plan.	Minn. R. 7007.0800, subp. 4(D) and Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
The Permittee shall comply with all general conditions listed in Minn. R. 7007.0800, subp. 16.	Minn. R. 7007.0800, subp. 16
PLANS	hdr
Comply with the O & M Plan: Follow the actions and recordkeeping specified in the O & M plan. The plan may be amended by the Commissioners written approval.	Minn. R. 7007.0800 subp. 14 and Minn. R. 7007.0800 subp. 16(J)
Comply with the Fugitive Control Plan: Follow the actions and recordkeeping specified in the fugitive control plan. The plan may be amended with the Commissioners approval. If the Commissioner determines the Permittee is out of compliance with Minn. R. 7011.0150, or fugitive control plan, then the Permittee may be required to amend the fugitive control plan.	Minn. R. 7011.0150

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

The Permittee may be required to submit a Risk Management Plan (RMP) under the federal rule, 40 CFR Part 68 which was promulgated on June 20, 1996. The rule requires each owner or operator of a stationary source, at which a regulated substance is present above a threshold quantity in a process, to design and implement an accidental release prevention program. These requirements must be complied with no later than the latest of the following dates: (1) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or (2) The date on which a regulated substance is first present above a threshold quantity in a process.	40 CFR Part 68
POLLUTION CONTROL EQUIPMENT	hdr
Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)
TESTING REQUIREMENTS	hdr
Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.	Minn. R. ch. 7017
Performance Tests: A) Performance testing for Line 1 (specifically, EU037-EU041 and the associated control equipment and stacks) shall be tested at a green ball feed rate of greater than or equal to 250 long tons per hour. B) Performance testing for Line 2 (specifically, EU033-EU036 and EU042 and the associated control equipment and stacks) shall be tested at a green ball feed rate of greater than or equal to 630 long tons per hour. C) All other emission units and their associated control equipment and stacks shall be tested at greater than or equal to 90% of the emission units rated capacity. If a performance test is conducted at less than the applicable minimum rate given above, the Permittee shall be given the opportunity to retest within 90 days of the subject test before process limits can be applied as specified in Minn. R. 7017.2025, subp. 3.	Minn. R. 7017.2025
MONITORING REQUIREMENTS	hdr
Monitoring Equipment Installation: Install monitoring equipment for air pollution control devices within 180 days of permit issuance. (Monitoring equipment, if not already existing, must be installed within this time period to monitor surrogate parameters such as "Gas Stream Pressure Drop," "Water Flow Rate," and/or "Total Water Pressure," which are listed in Table A for specific Groups and Emission Units.)	Minn. R. 7007.0800 subp. 4(D)
Monitoring Equipment Debugging, Troubleshooting, and Establishment of Parameter Ranges: Complete within 180 days of installation or of completion of needed repairs of all monitoring equipment.	Minn. R. 7007.0800 subp. 4(D)
Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous emission monitors are listed separately in this permit).	Minn. R. 7007.0800, subp. 4(D)
Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, such as for system breakdowns, repairs, calibration checks, and zero and span adjustments (as applicable). Monitoring records should reflect any such periods of process shutdown.	Minn. R. 7007.0800, subp. 4(D)
RECORD KEEPING	hdr
Record keeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007.1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350, subp. 2), including records of the emissions resulting from those changes.	Minn. R. 7007.0800, subp. 5(B)
Record keeping: Retain all records at the stationary source for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).	Minn. R. 7007.0800, subp. 5(C)
Contractors: The Permittee shall retain records on site of each contractor that is allowed on site to operate any crushers, screens and conveyors. The Permittee shall also retain records on site of each contractor whose operations would require an air emissions permit from the MPCA. The records for each contractor shall consist of the contractor's company name, MPCA air emissions permit number (if any), short description of on-site activities undertaken by the contractor, estimate materials handled and the dates the contractor was on site. The records shall be updated quarterly. This is a state-only requirement and is not enforceable by the EPA administrator or citizens under the Clean Air Act.	Minn. R. 7011.0800 subp. 2
REPORTING	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

<p>Notification of Deviations Endangering Human Health or the Environment: In the event of any deviation, as defined in part 7007.0100, subpart 8a, which could endanger human health or the environment, notify, orally or in writing, the Commissioner or the state duty officer, as soon as possible after discovery of the deviation. Within two working days of the discovery, submit to the Commissioner a written description of the deviation stating:</p> <p>A. the cause of the deviation; B. the exact dates of the period of the deviation, if the deviation has been corrected; C. whether or not the deviation has been corrected; D. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and E. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.</p>	Minn. R. 7007.0800, subp. 6(A), Minn. R. 7019.1000, subp. 1
<p>Shutdowns: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any process or control equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B, and C of Minn. R. 7019.1000, subp. 3.</p> <p>At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.</p>	Minn. R. 7019.1000, subp. 3
<p>Breakdowns: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emission of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2.</p> <p>At the time of notification or as soon as possible thereafter, the owner or operator shall also inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.</p>	Minn. R. 7019.1000, subp. 2
Emission Inventory Report: due 91 days after the end of each calendar year starting 02/23/2000 (April 1). To be submitted on a form approved by the Commissioner.	Minn. R. 7019.3000 through Minn. R. 7019.3010
Emission Fees: due 60 days after receipt of an MPCA bill.	Minn. R. 7002.0005 through Minn. R. 7002.0095
MISCELLANEOUS	hdr
<p>Inspections: Upon presentation of credentials and other documents as may be required by law, allow the Agency, or its authorized representative, to enter the Permittee's premises, to have access to and copy any records required by this permit, to inspect at reasonable times (which include any time the source is operating) any facilities, equipment, practices or operations, and to sample or monitor any substances or parameters at any location.</p>	Minn. R. 7007.0800, subp. 9(A)
<p>Extension Requests: The permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H).</p>	Minn. R. 7007.1400, subp. 1(H)
<p>Application for Permit Amendment: If you need a permit amendment, submit application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.</p>	Minn. R. 7007.1150 through Minn. R. 7007.1500
<p>Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.</p>	Minn. R. 7011.0020

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 001 Third Stage Crushers

Associated Items: CE 007 Wet Scrubber-High Efficiency w/o Lime
 CE 008 Wet Scrubber-High Efficiency w/o Lime
 CE 009 Wet Scrubber-High Efficiency w/o Lime
 CE 010 Wet Scrubber-High Efficiency w/o Lime
 CE 011 Wet Scrubber-High Efficiency w/o Lime
 EU 005 Third Stage Crusher 1
 EU 006 Third Stage Crusher 2
 EU 007 Third Stage Crusher 3
 EU 008 Third Stage Crusher 4
 EU 009 Third Stage Crusher 5
 SV 011
 SV 012
 SV 013
 SV 014
 SV 015

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735. This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.) This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING	hdr
Performance Test: due before 12/31/2001 on one (1) representative unit to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 002 Fourth Stage Crushers**Associated Items:** CE 012 Wet Scrubber-High Efficiency w/o Lime

CE 013 Wet Scrubber-High Efficiency w/o Lime

CE 014 Wet Scrubber-High Efficiency w/o Lime

EU 011 Fourth Stage Crusher 1

EU 012 Fourth Stage Crusher 2

EU 013 Fourth Stage Crusher 3

SV 017

SV 018

SV 019

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735. This limit applies to each unit individually.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.) This limit applies to each unit individually.	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 12/31/2002 and every fifth calendar year thereafter to measure PM and Opacity emissions. One stack shall be tested each fifth calendar year in the following order: SV018, SV017, SV019.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 003 Fourth Stage Crushers (Post 1969)

Associated Items: CE 015 Wet Scrubber-High Efficiency w/o Lime
 CE 016 Wet Scrubber-High Efficiency w/o Lime
 CE 017 Wet Scrubber-High Efficiency w/o Lime
 CE 018 Wet Scrubber-High Efficiency w/o Lime
 CE 019 Wet Scrubber-High Efficiency w/o Lime
 EU 014 Fourth Stage Crusher 4
 EU 015 Fourth Stage Crusher 5
 EU 016 Fourth Stage Crusher 6
 EU 017 Fourth Stage Crusher 7
 EU 018 Fourth Stage Crusher 8
 SV 020
 SV 021
 SV 022
 SV 023
 SV 024

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735. This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.) This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 06/30/2004 and every fifth calendar year thereafter to measure PM and Opacity emissions. One stack shall be tested each fifth calendar year in the following order: SV020, SV023, SV021, SV024, SV022.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 004 Rod Mill Feeds**Associated Items:** CE 027 Wet Scrubber-High Efficiency w/o Lime

CE 028 Wet Scrubber-High Efficiency w/o Lime

EU 023 #1 Rod Mill Feed

EU 024 #2 Rod Mill Feed

SV 029

SV 030

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735. This limit applies to each unit individually.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.) This limit applies to each unit individually.	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING	hdr
Performance Test: due before 12/31/2002 on one (1) representative unit to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 005 Rod Mill Feeds (Post 1969)**Associated Items:** CE 029 Wet Scrubber-High Efficiency w/o Lime

CE 030 Wet Scrubber-High Efficiency w/o Lime

CE 031 Wet Scrubber-High Efficiency w/o Lime

EU 025 #3 Rod Mill Feed

EU 026 #4 Rod Mill Feed

EU 027 #5 Rod Mill Feed

SV 031

SV 032

SV 033

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735. This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.) This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 12/31/2001 on one (1) representative unit to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 006 Shop and Fuel Handling Boilers**Associated Items:** EU 051 Fairlane Truck Shop Boiler

EU 052 Fairlane New Shop Boiler

EU 053 Fuel Handling Boiler #1

EU 054 Fuel Handling Boiler #2

SV 107

SV 108

SV 109

SV 110

What to do	Why to do it
POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.6 lbs/million Btu heat input . This limit applies individually to each emission unit in GP 006.	Minn. R. 7011.0510, subp. 1
Sulfur Dioxide: less than or equal to 2.0 lbs/million Btu heat input . This limit applies individually to each emission unit in GP 006. Permittee shall calculate sulfur dioxide emissions based on records of vendor certification of fuel sulfur content, as an indicator of compliance with Minn.R. 7011.0510, subp. 1.	Minn. R. 7011.0510, subp. 1
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity. This limit applies individually to each emission unit in GP 006.	Minn. R. 7011.0510, subp. 2
OTHER LIMITS AND REQUIREMENTS	hdr
Fuel Usage: Limited to natural gas and distillate oil only.	Minn. R. 7007.0800, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 007 Pellet Loadout System for Line 2 after 10/13/2000 fire

Associated Items: CE 063 Dust Suppression by Chemical Stabilizers or Wetting Agents

CE 064 Wet Scrubber-High Efficiency

EU 104 Prod conveyor transfer 22S

EU 105 Prod conveyor transfer 22N

EU 106 Prod conveyor transfer 23S

EU 107 Prod conveyor transfer 23N

EU 108 Make-up heater-prod loadout

EU 109 Space heater

EU 110 Space heater

EU 111 Space heater

EU 112 Space heater

SV 111 Pellet product bins

SV 112 Space heater vent

SV 113 Space heater vent

SV 114 Space heater vent

SV 115 Space heater vent

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.05 grams/dry standard cubic meter (0.022 gr/dscf), on and after the date on which the performance test required to be conducted for SV 111 by 40 CFR 60.8 is completed.	40 CFR 60.382(a); Minn. R. 7011.2700
Opacity: less than or equal to 10 percent opacity using 6-minute Average for any process fugitive emissions from EU104, EU105, EU106, and EU107, on and after the 60th day after achieving the maximum production rate at which the units will be operated, but not later than 180 days after the initial startup.	40 CFR 60.382(b); Minn. R. 7011.2700
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Gas Stream Pressure Drop: The Permittee shall install, calibrate, maintain, and operate a monitoring device for the wet scrubber (CE 064) for the continuous measurement of the change in pressure of the gas stream through the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within 250 pascals (1 inch water) gauge pressure, plus or minus; and must be calibrated on an annual basis in accordance with manufacturer's instructions.	40 CFR 60.384(a); Minn. R. 7011.2700
Liquid Flow Rate: The Permittee shall install, calibrate, maintain, and operate a monitoring device for the wet scrubber (CE 064) for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within 5 percent, plus or minus, of design scrubbing liquid flow rate; and must be calibrated at least on an annual basis in accordance with manufacturer's instructions.	40 CFR 60.384(b); Minn. R. 7011.2700
Control Equipment Monitoring: Record Gas Stream Pressure Drop and Liquid Flow Rate data for CE 064 each day in operation.	Minn. R. 7011.0080
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Initial Performance Test: due 60 days after achieving maximum capacity, but not later than 180 days after initial startup of the affected facilities (EU 104, EU 105, EU 106, and EU 107) to determine Particulate Matter emissions.	40 CFR 60.385(a); Minn. R. 7011.2700
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4
The Permittee shall record the measurements of both the change in pressure of the gas stream across the wet scrubber (CE 064) and the scrubbing liquid flow rate during the initial performance test of the wet scrubber and at least weekly thereafter.	40 CFR 60.385(b); Minn. R. 7011.2700

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: GP 008 Replacement Pellet Reclaim Screening System**Associated Items:** FS 041 Pellet reclaim - Pile 2 to hopper/grizzly via front end loader

FS 042 Pellet reclaim - Hopper/grizzly oversize to pile transfer

FS 043 Pellet reclaim - Hopper/grizzly to belt 22Z via hpr cnvr belt

FS 044 Pellet reclaim - Hopper cnvr belt to screen via belt 22Z

FS 045 Pellet reclaim - Screening (EVTAC-owned & operated)

FS 046 Pellet reclaim - Screen prod to belt 22N/S via belt 22X

FS 047 Pellet reclaim - Screen fines to pile transfer via belt 22Y

FS 048 Pellet reclaim - Screen oversize to pile transfer via chute

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Opacity: less than or equal to 10 percent opacity using 6-minute Average for any process fugitive emissions from FS 025 and any GP 008 unit, on and after the 60th day after achieving the maximum production rate at which the units will be operated, but not later than 180 days after the initial startup.	40 CFR 60.382(b); Minn. R. 7011.2700
Process Throughput: less than or equal to 334656 tons/year using 12-month Rolling Sum (or equivalently, 298800 Long Tons/year) for the amount of pellets reclaimed. Rolling-sums (Long Tons) for the first 11 months of GP 008 operation shall be limited to: 1) 56800; 2) 78800; 3) 100800; 4) 122800; 5) 144800; 6) 166800; 7) 188800; 8) 210800; 9) 232800; 10) 254800; 11) 276800.	Title I Condition: Used to avoid review under 40 CFR 52.21; Minn. R. 7007.0100, subp. 25 (B)
B. PERFORMANCE TESTING REQUIREMENTS	hdr
Initial Performance Test: due 60 days after achieving maximum capacity, but not later than 180 days after initial startup of the affected facilities (FS 025 and FS 041 through 048) to determine Opacity.	40 CFR 60.385(a); Minn. R. 7011.2700
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4
C. Process Monitoring and Recordkeeping	hdr
Process Throughput: By the 15th of the month, the Permittee shall calculate and record: 1) the amount of pellets reclaimed in the previous month, and 2) the 12-month rolling sum of the amount of pellets reclaimed by summing the data of the previous 12 months.	Title I Condition: Used to avoid review under 40 CFR 52.21; Minn. R. 7007.0100, subp. 25 (B)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 001 Crude Ore Unloading Pan Feeders**Associated Items:** CE 004 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 007

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 002 Crude Ore Unloading**Associated Items:** CE 002 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 005 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

SV 008

SV 009

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735. This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.) This limit applies to each unit individually.	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 06/30/2004 to measure PM and Opacity. PM emissions from EU002 shall be determined as the total from SV008 and SV009.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 004 Coarse Ore Surge**Associated Items:** CE 006 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 010

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 06/30/2004 and every fifth calendar year thereafter to measure PM and Opacity.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 010 Third Stage Bins Conveyor**Associated Items:** CE 001 Wet Scrubber-High Efficiency w/o Lime
SV 016

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn., R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING	hdr
Performance Test: due before 04/30/2001 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 019 Fourth Stage Trip/Bin/Convey**Associated Items:** CE 024 Wet Scrubber-High Efficiency w/o Lime
SV 025

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 04/30/2001 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 020 Transfer House North**Associated Items:** CE 025 Wet Scrubber-High Efficiency w/o Lime
SV 026

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 12/31/2002 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 022 Transfer House South**Associated Items:** CE 026 Wet Scrubber-High Efficiency w/o Lime
SV 028

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 12/31/2002 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 028 Limestone/Soda Ash Storage Bins**Associated Items:** CE 051 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 034

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 029 Additive Unloading**Associated Items:** CE 052 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 035

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 030 Line 2 Additive Storage Bins**Associated Items:** CE 043 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 036

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 031 Line 2 Additive Addition**Associated Items:** CE 044 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 037

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 032 Soda Ash/Binder Mixing**Associated Items:** CE 057 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 058 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

SV 038

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 033 Line 2 Grate Feed**Associated Items:** CE 045 Wet Scrubber-High Efficiency w/o Lime
SV 039

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 06/30/2004 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 034 Line 2 Grate Discharge**Associated Items:** CE 046 Wet Scrubber-High Efficiency w/o Lime
SV 040

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 06/30/2004 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 035 Line 2 Kiln Cooler Discharge

Associated Items: CE 033 Wet Scrubber-High Efficiency w/o Lime
 CE 047 Wet Scrubber-High Efficiency w/o Lime
 CE 060 Wet Scrubber-High Efficiency w/o Lime
 SV 041
 SV 050
 SV 070

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before 12/31/2004 to measure PM and Opacity emissions. PM emissions from EU035 shall be determined as the total from SV041, SV050 and SV070.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 036 Line 2 Pellet Cooler Exhaust**Associated Items:** SV 042

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Operate, maintain, and monitor the condition of the pellet cooler dump zone hopper to prevent excess air infiltration, in order to minimize pellet cooler particulate matter emissions.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before end of each year starting 12/31/1999 to measure PM and Opacity. The first test is due on or before 12/31/99. Each test shall be completed before the end of the applicable calendar year. A single test, to be conducted by 06/30/2004 will fulfill the 2003 and 2004 test requirements, as granted in Administrative Amendment - 004.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before end of each year starting 12/31/1999 (7 days before each performance test)	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 037 Line 1 Grate Feed**Associated Items:** CE 053 Wet Scrubber-High Efficiency w/o Lime
SV 043

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due 730 days after Resuming Operation of Line 1 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 038 Line 1 Grate Discharge**Associated Items:** CE 054 Wet Scrubber-High Efficiency w/o Lime
SV 044

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due 730 days after Resuming Operation of Line 1 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 039 Line 1 Kiln Cooler Discharge**Associated Items:** CE 055 Wet Scrubber-High Efficiency w/o Lime
SV 045

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Total Water Pressure: Monitor and record once per week when in operation once the water total pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
C. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due 730 days after Resuming Operation of Line 1 to measure PM and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 040 Line 1 Pellet Induration**Associated Items:** CE 056 Wet Scrubber-High Efficiency w/o Lime
SV 046

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0610, subp. 1(A)(1) and Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0610, subp. 1(A)(1) and Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity	Minn. R. 7011.0610, subp. 1(A)(2)
Sulfur Dioxide: less than or equal to 2 lbs/million Btu heat input using 3-hour Average when a liquid fossil fuel is burned. The Permittee shall maintain records of vendor certification of fuel sulfur content and relevant calculations..	Minn. R. 7011.0610, subp. 2(B)
B. OPERATIONAL REQUIREMENTS	hdr
Fuel Usage: limited to natural gas and distillate oil.	Minn. R. 7007.0800, subp. 2
C. CONTROL EQUIPMENT MONITORING	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(B); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure drop: Monitor and record daily when in operation at the wet scrubber, CE 056.	Minn. R. 7007.0800, subp. 4(B); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Water Flow Rate or Total Water Pressure: Monitor and record daily when in operation at the wet scrubber, CE 056.	Minn. R. 7007.0800, subp. 4(B); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
D. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due 365 days after Resuming Operation of Line 1 to measure PM, SO ₂ and Opacity emissions.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 041 Line 1 Pellet Cooler Exhaust**Associated Items:** SV 047

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0710, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0710, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0710, subp. 1(B)
B. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before end of each year following Resuming Operation of Line 1 to measure PM and Opacity. The first test is due on or before December 31 of the year of startup. Each test shall be completed before the end of the applicable calendar year.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before end of each year following Resuming Operation of Line 1 (7 days before each performance test)	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 042 Line 2 Pellet Induration**Associated Items:** CE 049 Wet Scrubber-High Efficiency w/o Lime

CE 050 Wet Scrubber-High Efficiency w/o Lime

SV 048

SV 049

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0610, subp.1(A)(1) and Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0610, subp.1(A)(1) and Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.	Minn. R. 7011.0610, subp. 1(A)(2)
Sulfur Dioxide: less than or equal to 4 lbs/million Btu heat input using 3-hour Average when a solid fossil fuel is burned.	Minn. R. 7011.0610, subp. 2(B)
Sulfur Dioxide: less than or equal to 2 lbs/million Btu heat input using 3-hour Average when a liquid fossil fuel is burned. The Permittee shall maintain records of vendor certification of fuel sulfur content and relevant calculations.	Minn. R. 7011.0610, subp. 2(B)
B. OPERATIONAL REQUIREMENTS	hdr
Fuel Usage: limited to pulverized coal, coal/coke blend, distillate oil, and natural gas.	Minn. R. 7007.0800, subp. 2
Fuel Sampling: The Permittee shall collect a solid fuel sample each weekday from the pulverized fuel pipe. The Permittee shall form a weekly composite of all samples collected in a given calendar week.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 4(B)
Fuel Sulfur Content Monitoring: The Permittee shall analyze the weekly fuel composite samples for sulfur content in weight percent and heating value in BTU per pound, in accordance with current ASTM Methods.	Minn. R. 7007.0800, subp. 2 and Minn. R. 7007.0800, subp. 4(B)
Sulfur Dioxide Emissions Calculation: Within 21 days after the end of a calendar week, the Permittee shall calculate the SO ₂ emissions rate in lbs/MMBtu from the results of the weekly fuel composite analysis, and the Sulfur Dioxide control efficiency of 25 percent or the value directly determined by recent performance testing - whichever is lower in value. The Permittee shall maintain a record of the analysis, calculations, and emission rate.	Minn. R. 7007.0800, subp. 2 and Minn. R. 7007.0800, subp. 4(B)
C. CONTROL EQUIPMENT MONITORING	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(B); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure drop: Monitor and record daily when in operation at each wet scrubber, CE049 and CE050.	Minn. R. 7007.0800, subp. 4(B); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Water Flow Rate or Total Water Pressure: Monitor and record daily when in operation at each wet scrubber, CE049 and CE050.	Minn. R. 7007.0800, subp. 4(B); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
D. PERFORMANCE TESTING REQUIREMENTS	hdr
Performance Test: due before end of each 36 months starting 12/31/2000 to measure PM, Opacity, and SO ₂ emissions, including a mass-balance evaluation of SO ₂ control efficiency. The first test is due on or before 4/30/01. The second test is due on or before 06/30/2004. The 2A and 2B stacks (SV048 and SV049) shall be tested simultaneously or successively as soon as possible. A fuel analysis including a minimum of Btu heat value, moisture and sulfur content shall be conducted in conjunction with the performance test.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before end of each 36 months starting 12/31/2000 (7 days before each performance test)	Minn. R. 7017.2030, subp. 4
E. COMBUSTION OF FLINT HILLS' COKER POND FINES	hdr
The Permittee shall be limited to combust 19,200 tons of Flint Hills' coker pond fines at EU 042. The Permittee shall maintain monthly and cumulative records of coker pond fines usage.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 4(B)
Solid Fuel Blend Fractions: The Permittee shall monitor and record daily the dry mass fractions of coal, petroleum coke, and coker pond fines for the solid fuel conveyed from the day bin silos to EU 042. This information must also be summarized in the monthly records.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 4(B)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Solid Fuel Blend Composition: The Permittee shall collect fuel samples at least weekly to form a monthly composite for determination of total dry mass basis mercury content (ug/g) from the solid fuel conveyed from the day bin silos to EU 042. ASTM Methods D2234 and D2013 or similar procedures must be followed in fuel preparation and sampling. EPA Method 7473, as modified, or ASTM Method D3684 must be followed to analyze the monthly composites for mercury, with a detection limit of 0.01 ug/g or lower. The analytical records must include evidence of accuracy and precision of mercury analysis, including concurrent analyses of National Institute of Standards and Technology Standard Reference Materials.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 4(B)
Solid Fuel Blend Composition: The Permittee shall collect fuel samples at least weekly to form biweekly composite for determination of total dry mass basis sulfur content (lb/lb), ash content (lb/lb), and heating value (Btu/lb) from the solid fuel conveyed from the day bin silos to EU 042. ASTM Methods D2234 and D2013 or similar procedures must be followed in fuel preparation and sampling. Current ASTM Methods D3177 or D4239 must be followed to analyze the biweekly fuel composites for sulfur. The analytical records must include evidence of accuracy and precision of sulfur analysis, including concurrent analyses of National Institute of Standards and Technology Standard Reference Materials.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 4(B)
Water Sampling at CE 049 and CE 050: The Permittee shall take monthly grab samples simultaneously at inlet water and outlet water of each wet scrubber, as flow-weighted composite of various inlet and outlet flows, respectively. The Permittee shall analyze the inlet and the outlet composites for the following parameters: Flow; total suspended solids, mercury (per EPA Methods 1669 and 1631); dissolved (filtered on-site immediately after sample collection using a 0.45-micron membrane filter) F, Cl, Ca, Mg, Na, K, bicarbonate, sulfate; total dissolved solids, conductivity, and pH.	Minn. Stat. Sections 115.04, subd. 1 and 116.091, subd. 1
Water Sampling at Tailings Basin 2 Pond Water: The Permittee shall take monthly grab samples in well mixed sites of pond to determine the following parameters: Total suspended solids, mercury (per EPA Methods 1669 and 1631); dissolved (filtered on-site immediately after sample collection using a 0.45-micron membrane filter) F, Cl, Ca, Mg, Na, K, bicarbonate, sulfate; total dissolved solids, conductivity, and pH.	Minn. Stat. Sections 115.04, subd. 1 and 116.091, subd. 1
Sampling Prior to Initial Startup: The Permittee shall obtain two samples of Solid Fuel Blend Fractions, Solid Fuel Blend Composition, Scrubber Inlet and Outlet Water, and Tailings Basin 2 Pond Water before Initial Startup of coker pond fines combustion.	Minn. Stat. Sections 115.04, subd. 1 and 116.091, subd. 1
Performance Test: due 120 days after Initial Startup of coker pond fines combustion or before 9600 tons of coker pond fines have been combusted, whichever is sooner, to determine the emissions of mercury and other elements tabulated in EPA Method 29. Testing must be performed simultaneously at both SV 048 and SV 049, while EU 042 is fired with the blended fuel of coker pond fines and coal.	Minn. R. 7017.2020, subp. 1
Performance Test Pre-test Meeting: due 7 days before Performance Test	Minn. R. 7017.2030, subp. 4

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 057 Soda Ash/ Binder Day Bin 1**Associated Items:** CE 041 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 057

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 058 Soda Ash/ Binder Addition**Associated Items:** CE 042 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 058

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 062 Soda Ash/ Binder Day Bin 2**Associated Items:** CE 057 Fabric Filter - Low Temperature, i.e., T<180 Degrees F
SV 038

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Total Particulate Matter: greater than or equal to 85 percent collection efficiency or higher for the pollution control equipment, the entire emission facility is in compliance with NAAQS and MAAQS, and the emission facility is located not less than one-fourth mile from any residence or public roadway. (This is an alternative requirement to the Total Particulate Matter Limit.)	Minn. R. 7011.0715, subp. 3
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)
B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS	hdr
Process Monitoring: Check stack visible emissions (opacity) once daily using a checklist in Appendix B.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)
Gas Stream Pressure Drop: Monitor and record once per week when in operation once the pressure gauges are installed.	Minn. R. 7007.0800, subp. 4(D); Minn. R. 7007.0800, subp. 14; Minn. R. 7007.0800, subp. 16(J)

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Subject Item: EU 064 Pellet Loadout Bins Venting**Associated Items:** SV 064

What to do	Why to do it
A. POLLUTANT LIMITS	hdr
Total Particulate Matter: less than or equal to 0.3 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.	Minn. R. 7011.0715, subp. 1(A)
Opacity: less than or equal to 20 percent opacity .	Minn. R. 7011.0715, subp. 1(B)

TABLE B: SUBMITTALS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant
Permit Number: 13700113 - 004

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by parts 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send any application for a permit or permit amendment to:

Permit Technical Advisor
Permit Section
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Technical Advisor notices of:

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

Unless another person is identified in the applicable Table, send all other submittals to:

Supervisor
Compliance Determination Unit
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Mr. George Czerniak
Air and Radiation Branch
EPA Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue NW (6204N)
Washington, D.C. 20460

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

What to send	When to send	Portion of Facility Affected
Application for Permit Reissuance	due 180 days before 02/23/2005	Total Facility
Computer Dispersion Modeling Results	due 120 days after receipt of written MPCA request. This submittal is the refined modeling results. Results are due 120 days after notification from the MPCA that the final taconite processing plant Title V permit is issued. This submittal is only necessary if the initial modeling does not show attainment with the National Ambient Air Quality Standards and the Minnesota Ambient Air Quality Standards. This and the initial CDMR are state-only requirements and are not enforceable by the EPA administrator or citizens under the Clean Air Act.	Total Facility
Fugitive Control Plan	due 90 days after 02/23/2000 for review and approval by the Commissioner. The plan shall identify all fugitive emission sources, primary and contingent control measures and practices, and records kept. The plan will include a statement of objectives, fugitive emission sources, operating and control measures, dust suppressant application description, corrective actions, training, and records. The Commissioner may require additions or changes to the Fugitive Emission Control Plan when granting approval. The Permittee will be given an opportunity to comment on any required additions or changes to the plan before the Commissioner grants approval of the plan. (Submitted: 6/2/2000.)	Total Facility
Notification of the Actual Date of Initial Startup	due 15 days after Initial Startup	GP007, GP008
Notification of the Actual Date of Initial Startup	due 15 days after Initial Startup of coker pond fines combustion.	EU042
Notification of the Actual Date of Initial Startup	due 15 days after Resuming Operation of Line 1 processing equipment. This is a state-only requirement and is not enforceable by the EPA administrator or citizens under the Clean Air Act.	Total Facility
Notification of the Date Construction Began	due 30 days after Start Of Construction. Submit the name and number of each unit and the date construction of each unit began.	GP007, GP008
Notification	due 30 days after Cease Operation of combusting Flint Hills' coker pond fines. The Permittee shall submit a summary of records that are collected during the coker pond fines combustion period. The Permittee shall also submit those records that are collected but have not been provided to the MPCA.	EU042
Operation and Maintenance Plan	due 120 days after 02/23/2000 the Permittee shall provide an O&M plan for review and approval by the Commissioner. The O&M plan shall identify all air pollution control equipment, a preventative maintenance program for that equipment, description of corrective actions to be taken in the event of a malfunction or breakdown, description of the employee training program, and the records kept to demonstrate plan implementation. The Commissioner may require additions or changes to the O&M plan when granting approval. The Permittee will be given an opportunity to comment on any required additions or changes to the plan before the Commissioner grants approval of the plan. Upon MPCA approval, the O&M plan shall become an enforceable part of the permit. (Submitted: 6/21/2000.)	Total Facility

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Operation and Maintenance Plan	due 225 days after Initial Startup the Permittee shall submit a Revised Fugitive Control Plan to include the parameter ranges that have been established for the fugitive emission sources. Upon MPCA approval, the revised fugitive control plan shall become an enforceable part of the permit.	GP008
Operation and Maintenance Plan	due 225 days after Initial Startup the Permittee shall submit a Revised Operation and Maintenance Plan to include the parameter ranges that have been established for normal operation of CE 064 (wet scrubber). Upon MPCA approval, the revised O&M plan shall become an enforceable part of the permit.	GP007
Operation and Maintenance Plan	due 365 days after 02/23/2000 the Permittee shall submit a Revised Operation and Maintenance Plan to include the parameter ranges that have been established for normal control equipment operation. Upon MPCA approval, the revised O&M plan shall become an enforceable part of the permit.	Total Facility
Performance Test Notification (written)	due 30 days before Performance Test	EU002, EU004, EU010, EU019, EU020, EU022, EU037, EU038, EU039, EU040, EU042, GP001, GP002, GP003, GP004, GP005, GP007, GP008
Performance Test Notification (written)	due 30 days before Performance Test	EU033, EU034, EU035
Performance Test Plan	due 30 days before Performance Test	EU002, EU004, EU010, EU019, EU020, EU022, EU037, EU038, EU039, EU040, EU042, GP001, GP002, GP003, GP004, GP005, GP007, GP008
Performance Test Plan	due 30 days before Performance Test	EU033, EU034, EU035
Performance Test Report - Microfiche Copy	due 105 days after Performance Test	EU002, EU004, EU010, EU019, EU020, EU022, EU037, EU038, EU039, EU040, EU042, GP001, GP002, GP003, GP004, GP005, GP007, GP008
Performance Test Report - Microfiche Copy	due 105 days after Performance Test	EU033, EU034, EU035
Performance Test Report	due 45 days after Performance Test	EU002, EU004, EU010, EU019, EU020, EU022, EU037, EU038, EU039, EU040, EU042, GP001, GP002, GP003, GP004, GP005, GP007, GP008
Performance Test Report	due 45 days after Performance Test	EU033, EU034, EU035
Testing Frequency Plan	due 60 days after Initial Performance Test under this permit for Particulate Matter emissions. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on one-year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required upon written approval of the MPCA.	GP007, GP008

TABLE B: RECURRENT SUBMITTALS

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Initial Performance Test. The Permittee shall report occurrences when the measurements of the scrubber pressure loss (or gain) and liquid flow rate differ by more than 30 percent, plus or minus, from the average obtained during the most recent performance test.	GP007, GP008
Semiannual Deviations Report	due 30 days after end of each calendar half-year starting 02/23/2000 . The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31.	Total Facility
Compliance Certification	due 30 days after end of each calendar year starting 02/23/2000 (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner, and to the U.S. EPA regional office in Chicago. This report covers all deviations experienced during the calendar year.	Total Facility
Performance Test Notification (written)	due 30 days before end of each year following Resuming Operation of Line 1 (30 days before each performance test)	EU041
Performance Test Notification (written)	due 30 days before end of each year starting 12/31/1999 (30 days before each performance test)	EU036
Performance Test Plan	due 30 days before end of each year following Resuming Operation of Line 1 (30 days before each performance test)	EU041
Performance Test Plan	due 30 days before end of each year starting 12/31/1999 (30 days before each performance test)	EU036
Performance Test Report - Microfiche Copy	due 105 days after end of each year following Resuming Operation of Line 1 (105 days after each performance test)	EU041
Performance Test Report - Microfiche Copy	due 105 days after end of each year starting 12/31/1999 (105 days after each performance test)	EU036
Performance Test Report	due 45 days after end of each year following Resuming Operation of Line 1 (45 days after each performance test)	EU041
Performance Test Report	due 45 days after end of each year starting 12/31/1999 (45 days after each performance test)	EU036
Performance Test Notification (written)	due 30 days before end of each 36 months starting 12/31/2000 (30 days before each performance test)	EU042
Performance Test Plan	due 30 days before end of each 36 months starting 12/31/2000 (30 days before each performance test)	EU042
Performance Test Report - Microfiche Copy	due 105 days after end of each 36 months starting 12/31/2000 (105 days after each performance test)	EU042
Performance Test Report	due 45 days after end of each 36 months starting 12/31/2000 (45 days after each performance test)	EU042

TABLE C: COMPLIANCE SCHEDULE

01/07/04

Facility Name: United Taconite LLC - Fairlane Plant

Permit Number: 13700113 - 004

Table C contains the compliance schedule as required by Minn. R. 7007.0500, subp. 2 (K). You must complete the actions required in Table C by the dates listed in the table. All submittals must be postmarked or received by the date specified in the table, and certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21.

Subject Item: EU 041 Line 1 Pellet Cooler Exhaust

Associated Items: SV 047

Citation	Corrective Action	When to complete the action
Minn. R. 7011.0710, subp. 1(A)	Equipment Installation	due before Startup. The Permittee shall install air pollution control equipment to comply with Industrial Process Equipment Rule, Minn. R. 7011.0715, subp. 1(A). Line 1 was shut down in June, 1999. Within 90 days of the startup of the Line 1 pellet cooler after this shutdown, the Permittee shall demonstrate compliance with Minn. R. 7011.0715, subp. 1(A).
Minn. R. 7011.0710, subp. 1(A)	Initial Performance Test	due 90 days after Resuming Operation of Line 1 to measure PM emissions.
Minn. R. 7011.0710, subp. 1(A)	Performance Test Pre-test Meeting	due 7 days before Initial Performance Test

January 8, 2004

Mr. Bradley E. Anderson
Manager Environmental Affairs
United Taconite LLC
P.O. Box 180
Eveleth, MN 55734-0180

RE: Air Emission Permit No. 13700113-004

Dear Mr. Anderson:

The enclosed permit, Air Emission Permit No. 13700113-004, authorizes operation of your facility located at Highway 16, Forbes, St. Louis County, Minnesota. According to Minn. R. 7007.1400, subp. 1(H) the performance testing deadline for a number of emission units at the facility have been extended so that they can be tested at maximum capacity and/or worst case conditions.

Since this permit is an administrative amendment to a Part 70 permit, per Minn. R. 7007.1400, subp. 4, a copy of the permit is also being forwarded to U.S. Environmental Protection Agency, Region V offices.

The amendment is effective from the issuance date of the amendment until the expiration date of the permit. Please read through the permit and review its conditions and requirements. Distribute the permit to staff members responsible for ensuring compliance with the conditions and limitations in the permit. If appropriate, post the permit at the facility.

We appreciate your cooperation and compliance with environmental laws. If you have questions about the permit, please contact me at (218) 723-4664.

Sincerely,

Bob Beresford
Majors Air and Construction Section
Majors and Remediation Division

BB:lh

Enclosure

cc: Ms. Pamela Blakley, U.S. Environmental Protection Agency
Bob Beresford, MPCA, Duluth Regional Office
AQ File No. 869A