#### 4 . . .... 4-1-....

DCN:	WI-EN-004	Revision Date:	3/4/	2021	F	Page 1 of 4 Pag
1. Gene 1.1. Th reg Pla no 1.2. Co (C/ 1.3. Ad	ral e following contains in gulations. This informa in as it is contains four t necessarily required ntains specifics related AM) Plan (contained in ditional information ca	formation rec ation is maintand dational infor for the day-to to the develo RDI's Air Poll an be found ir	quired to be ma ained separatel rmation that is o-day operation opment of the ution Control P o the facility's a	aintained by ly from the <i>i</i> required to s of the faci Compliance Plan). ir permit an	one or m Air Pollutio be mainta lity. Assuranc d Air Pollu	ore on Control ained, yet is e Monitoring ution Control
2. Comp 2.1. Pla Pa 2.1.	Iliance Assurance Mor in for Pollutant-Specifi rticulate Matter Emiss 1.Background 2.1.1.1. Emissions I 2.1.1.1.1. Des COOLING, 2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Emi	nitoring Plan c Emission Un sions Units: criptions (Ide EU-SHAKEOU Regulation, E gulations: R 336.2004 issions Limits:	ntification): EL ntification): EL IT, EU-SANDSYS mission Limits, 40 CFR 64	ilizing a Bag J-MELTING, STEM, & EU- and Monito I; R 336.121	House to EU-POUR CLEAN Dring Requ 3(3), R 33	Control ING, EU- iirements 6.2001, R
	Emission Unit	APCE	Lbs/1000lbs exhaust gas, dry	Limit Lbs/Hr	T/Yr	% Opacity
			- · ·			1
	EU-MELTING (limits include preheater & inoculation as well)	East & West Melt Baghouses	.01	2.5	10.95	5
	EU-MELTING (limits include preheater & inoculation as well) EU-POURING EU-COOLING EU-SHAKEOUT EU-SANDSYSTEM	East & West Melt Baghouses East & West Sand Baghouses	.01 .01	2.5	10.95 26.3	5

2.1.1.3. Control Technologies:

2.1.1.3.1. Fabric Filters:

<b>RDI Air Pollution Control Plan Supporting Information</b>					
DCN:	WI-EN-004	Revision Date:	3/4/2021	Page 2 of 4 Pages	

APCE	Туре	Nominal Volume
East/West Melt	Pulse Jet	70,000 cfm
East/West Sand	Pulse Jet	141,000 cfm
West Blast	Pulse Jet	70,000 cfm

#### 2.1.2. Monitoring Approach

2.1.2.1. Indicators, Measurement Approach, and Allowable Ranges:

<b>Emission Unit</b>	APCE	Indicator	Method	Range
				East: 1-
		Diff	DP Gauge	10" water
		Pressure		West: 2-
				10" water
EU-IVIELTING	Raghousos	Visible	Dooding	Normal /
	Bagnouses	Emissions	Reading	Abnormal
		Darticulato	BBD	See BBD
		Particulate		Plan
	East & West Sand Baghouses		DP Gauge	East: 2-
		Diff		10" water
EU-POURING		/est Pressure		West: 2-
EU-COOLING				10" water
EU-SHAKEOUT		Visible	Pooding	Normal /
EU-SANDSYSTEM		Emissions	Reading	Abnormal
		Particulate	BBD	See BBD
				Plan
	West Blast Baghouse	Diff		2-10"
		Pressure	DF Gauge	water
EU-CLEAN		Visible	Pooding	Normal /
		Emissions	Reading	Abnormal

- 2.1.2.2. Data Representativeness:
  - 2.1.2.2.1. Measurements are taken at the source:
    - 2.1.2.2.1.1. Differential Pressures one port in the clean side and one port in the dirty side of the baghouse. Each gauge has a minimum sensitivity of +/- 20% of full scale.
    - 2.1.2.2.1.2. BLDS probes located in the downcomer or stack of the baghouse. The BLDS is certified by the manufacturer to be capable of detecting emissions of PM at a concentration of .10 mg/m<sup>3</sup> or less.

RDI Air Pollution Control Plan Supporting Information					
DCN: WI-EN-004	Revision Date:	3/4/2021	Page 3 of 4 Pages		
2.1.2.3. Veri 2.1.2.3.1. per 2.1.2.3.2.	fication of Operational Sta Differential pressure is day to verify systems are Particulate loading is m	tus: measured continuously operating as designed. neasured continuously a	y and recorded once		
lea: 2.1.2.4. QA/	least every 10 seconds to verify systems are operating as designed. 2.1.2.4. QA/QC Practices and Criteria:				
2.1.2.4.1. the req	Pressure gauges are ch y cannot be reset to opera uirements, they are replac	ecked/calibrated at lease te within the above ser ced.	st semiannually. If		
2.1.2.4.2. anr	BLDS is cleaned and tes nually.	sted monthly and a zerc	o check is performed		
2.1.2.5. Mor 2.1.2.5.1. per	nitoring Frequency Differential pressure is day to verify systems are	measured continuously operating as designed.	y and recorded once		
2.1.2.5.2. leas	Particulate loading is m st every 10 seconds to veri	neasured continuously a fy systems are operatin	and recorded at g as designed.		
2.1.2.5.3. Pre	Data is maintained in tl ventive Maintenance reco	he facility's datalogging rds.	system and		
2.1.3. Monitoring A	pproach Justification				
2.1.3.1. Four particula and PM2	nary processes subject to ( ite matter ("PM") as the pi 2.5.	CAIVI at the facility prim rimary pollutant. This ir	arily emit ncludes PM, PM10,		
2.1.3.2. RDI PM emit	utilizes baghouses as the p ted.	primary means of contro	olling the amount of		
2.1.3.3. Bag controlli has set ( for existi designed gr/dscf a Control	nouses are generally recog ng PM emissions by indust and retained through the 2 ing electric induction furna I and maintained baghouse Ind below. Also, baghouse Fechnology (BACT) during in ation (PSD) determination	mized as the most appro ry and regulators alike. 2018 RTR) an emission I aces (40 CFR 63.7690(a) es routinely achieve lev es have been determine many Prevention of Sign s further verifying their	opriate method of For example, EPA imit of .005 gr/dscf (1)(i)). Well els down to .003 d as Best Available nificant		
for PM c	ontrol.				
2.1.3.4. Pres the appr permittin control s imprope	sure drop, visible emission opriate indicators during t ng actions. An increase in ystem that is not operatin r pulse frequency, or plugg	ns, and particulate loadi he facility's initial and/o any of these indicators g properly, typically due ged filters. A decrease i	ing were cnosen as or subsequent air can indicate a e to blockages, n the differential		

<b>RDI Air Pollution Control Plan Supporting Information</b>					
DCN:	WI-EN-004	Revision Date:	3/4/2021	Page 4 of 4 Pages	

pressure indicator can indicate that the system has lost some resistance to air flow, possibly due to holes in the equipment or filters. The parameters also serve to verify sufficient airflow through the system, ensuring enough volume is present to collect emissions.

2.1.3.5. The indicator levels have been verified during performance testing as being protective of emission limits.

### 3. Associated documents/resources

- 3.1. Environmental SharePoint Site
- 3.2. Environmental SharePoint Library
- 3.3. WI-EN-003 RDI Air Pollution Control Plan
- 3.4. RDI Air Permit MI-ROP-N5866-2019

Revision Date	Description of Changes			
3/4/2021	Document Creation			

<b>RDI Air Pollution Control Plan Supporting Information</b>					
DCN:	WI-EN-004	Revision Date:	3/4/2021	Page 5 of 4 Pages	