DCN:	WI-EN-004	Revision Date:	3/4/	2021	F	Page 1 of 4 Pag
. Gene	ral					
	e following contains in	formation rec	uired to be ma	aintained by	one or m	ore
	gulations. This information		•			
Pla	in as it is contains four	ndational info	rmation that is	required to	be mainta	ained, yet is
	t necessarily required	•			•	
	ntains specifics related		•	•	Assuranc	e Monitoring
•	AM) Plan (contained in ditional information ca			•	d Air Dollu	ution Control
1.3. Au Pla			i the facility's a	ir permit an		
-	liance Assurance Mor	nitoring Plan				
-	in for Pollutant-Specifi	-	its ("PSEU") Ut	ilizing a Bag	house to	Control
	rticulate Matter Emiss	sions	·	-		
2.1.	1.Background					
	2.1.1.1. Emissions					
			ntification): EL			ING, EU-
			T, EU-SANDSYS			
	2.1.1.2. Applicable	Regulation, E	mission Limits,	and Monito	oring Requ	
	2.1.1.2. Applicable 2.1.1.2.1. Reg	Regulation, E gulations:	mission Limits,		oring Requ	
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003,	Regulation, E gulations: R 336.2004	mission Limits, 40 CFR 64	and Monito	oring Requ	
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003,	Regulation, E gulations:	mission Limits, 40 CFR 64	and Monitc ; R 336.121	oring Requ 3(3), R 33	
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em	Regulation, E gulations: R 336.2004 issions Limits:	mission Limits, 40 CFR 64	and Monito	oring Requ 3(3), R 33	
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003,	Regulation, E gulations: R 336.2004	mission Limits, 40 CFR 64 Lbs/1000lbs	and Monito ; R 336.121 Limit	oring Requ 3(3), R 33 ts	6.2001 <i>,</i> R
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em	Regulation, E gulations: R 336.2004 issions Limits:	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust	and Monitc ; R 336.121	oring Requ 3(3), R 33	
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em	Regulation, E gulations: R 336.2004 issions Limits:	mission Limits, 40 CFR 64 Lbs/1000lbs	and Monito ; R 336.121 Limit	oring Requ 3(3), R 33 ts	6.2001 <i>,</i> R
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit	Regulation, E gulations: R 336.2004 issions Limits:	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust	and Monito ; R 336.121 Limit	oring Requ 3(3), R 33 ts	6.2001, R
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit EU-MELTING (limits include preheater &	Regulation, E gulations: R 336.2004 issions Limits: APCE East & West Melt	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust	and Monito ; R 336.121 Limit	oring Requ 3(3), R 33 ts	6.2001 <i>,</i> R
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit EU-MELTING (limits include preheater & inoculation as	Regulation, E gulations: R 336.2004 issions Limits: APCE East &	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust gas, dry	and Monito ; R 336.121 Limit	ts T/Yr	6.2001, R
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit EU-MELTING (limits include preheater & inoculation as well)	Regulation, E gulations: R 336.2004 issions Limits: APCE East & West Melt	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust gas, dry	and Monito ; R 336.121 Limit	ts T/Yr	6.2001, R
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit EU-MELTING (limits include preheater & inoculation as well) EU-POURING	Regulation, E gulations: R 336.2004 issions Limits: APCE East & West Melt	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust gas, dry	and Monito ; R 336.121 Limit	ts T/Yr	6.2001, R % Opacity 5
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit EU-MELTING (limits include preheater & inoculation as well) EU-POURING EU-COOLING	Regulation, E gulations: R 336.2004 issions Limits: APCE East & West Melt Baghouses	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust gas, dry	and Monito ; R 336.121 Limit	ts T/Yr	6.2001, R
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit EU-MELTING (limits include preheater & inoculation as well) EU-POURING EU-COOLING EU-SHAKEOUT	Regulation, E gulations: R 336.2004 issions Limits: APCE East & West Melt Baghouses East &	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust gas, dry .01	and Monito ; R 336.121 Limit Lbs/Hr 2.5	ts 10.95	6.2001, R % Opacity 5
	2.1.1.2. Applicable 2.1.1.2.1. Reg 336.2003, 2.1.1.2.2. Em Emission Unit EU-MELTING (limits include preheater & inoculation as well) EU-POURING EU-COOLING	Regulation, E gulations: R 336.2004 issions Limits: APCE East & West Melt Baghouses East & West Sand	mission Limits, 40 CFR 64 Lbs/1000lbs exhaust gas, dry .01	and Monito ; R 336.121 Limit Lbs/Hr 2.5	ts 10.95	6.2001, R % Opacity 5

2.1.1.3. Control Technologies:

2.1.1.3.1. Fabric Filters:

RDI Air Pollution Control Plan Supporting Information					
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:

Emission Unit	APCE	Indicator	Method	Range
	East & West Melt Baghouses		DP Gauge	East: 1-
		Diff		10" water
		Pressure		West: 2-
EU-MELTING				10" water
		Visible	Reading	Normal /
		Emissions	Reading	Abnormal
		Particulate	BBD	See BBD
		Faiticulate	000	Plan
	East & West Sand Baghouses			East: 2-
		Diff Pressure	DP Gauge	10" water
EU-POURING				West: 2-
EU-COOLING				10" water
EU-SHAKEOUT		Visible	Reading	Normal /
EU-SANDSYSTEM		Emissions	Reduing	Abnormal
		Particulate	BBD	See BBD
				Plan
	West Blast Baghouse	Diff	DP Gauge	2-10"
EU-CLEAN		Pressure	Di Gauge	water
		Visible	Reading	Normal /
		Emissions	Neaung	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/m³ or less.

RDI Air Pollution Control Plan Supporting Information						
DCN: WI-EN-004	Revision Date:	3/4/2021	Page 3 of 4 Pages			
2.1.2.3.1.	day to verify systems are	measured continuously operating as designed.				
leas	least every 10 seconds to verify systems are operating as designed.					
2.1.2.4.1. the req	Pressure gauges are ch y cannot be reset to opera uirements, they are replac	ite within the above ser ed.	nsitivity			
2.1.2.4.2. ann	BLDS is cleaned and tes ually.	sted monthly and a zero	o check is performed			
2.1.2.5.1.	itoring Frequency Differential pressure is day to verify systems are a	measured continuously	y and recorded once			
2.1.2.5.2.	Particulate loading is m t every 10 seconds to veri	neasured continuously a fy systems are operatin	g as designed.			
2.1.2.5.3. Pre	Data is maintained in tl ventive Maintenance reco	he facility's datalogging rds.	system and			
-	pproach Justification					
	ndry processes subject to (te matter ("PM") as the pr .5.		-			
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. Bagh controllin has set (a for existi designed gr/dscf a Control T Deteriora	nouses are generally recoging PM emissions by indust and retained through the 2 ang electric induction furna and maintained baghouse nd below. Also, baghouse rechnology (BACT) during r ation (PSD) determinations	ry and regulators alike. 2018 RTR) an emission l aces (40 CFR 63.7690(a) es routinely achieve lev es have been determine many Prevention of Sign	For example, EPA imit of .005 gr/dscf (1)(i)). Well els down to .003 d as Best Available nificant			
for PM c		a and narticulate land	ing woro choson as			
the appr permittir control s	sure drop, visible emissior opriate indicators during t ng actions. An increase in ystem that is not operatin r pulse frequency, or plugg	he facility's initial and/o any of these indicators g properly, typically due	or subsequent air can indicate a e to blockages,			

RDI Air Pollution Control Plan Supporting Information					
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		

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