65-0049-14

Source Status: New⊠	Modification Expansion Reloc	eation Permit Status:	New⊠ Renewal□	
PSD NSPS NESHAPs	Previous Permit Number:	Construction	Operating	570857

Permit Number: 979077

	Pounds/Hour				Tons/	Tons/Year		Date of	*	Applicable Standard	
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change	e Data			
	Source 14 - Smelter										
										1200-03	
PM		0.92	0.92		4.04	4.04		5/25/2021		0701(5)	
SO_2		21.88	21.88		95.83	95.83		5/25/2021		1401(3)	
СО					14.59	14.59		5/25/2021		0707(2)	
VOC					0.05	0.05		5/25/2021		0707(2)	
NO_X					1.11	1.11		5/25/2021		0707(2)	
HC1		11.24	11.24		49.22	49.22		5/25/2021		0903(8)	
Total HAPs		11.24	11.24		49.22	49.22		5/25/2021		0903(8)	

^{* -} Source of data

65-0049-15

Source Status: New⊠	Modification Expansion Reloc	eation Permit Status:	New⊠ Renewal□	
PSD NSPS NESHAPs	Previous Permit Number:	Construction	Operating	570857

Permit Number: 979077

	Pounds/Hour				Tons/Year			Date of	*	Applicable Standard	
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change	Data			
	Source 15 – Calciner, Ball mills, Blender, and pouring										
										1200-03	
PM		4.87	4.87		21.33	21.33		5/25/2021		0701(5)	
SO_2		0.002	0.002		0.01	0.01		5/25/2021		1403(5)	
СО		0.31	0.31		1.37	1.37		5/25/2021		0707(2)	
VOC		4.18	4.18		18.31	18.31		5/25/2021		0707(2)	
NO_X		0.37	0.37		1.64	1.64		5/25/2021		0707(2)	
Pb		0.01	0.01		0.04	0.04		5/25/2021			
Total HAPs		0.13	0.13		0.55	0.55		5/25/2021		0903(8)	

^{* -} Source of data

Permit Number: 979077

65-0049-16

Source Status: New⊠	Modification Expansion Relo	cation Permit Status: N	New⊠ Renewal□	
PSD NSPS NESHAPs	Previous Permit Number:	Construction	Operating570857	

		Pounds/Ho	/Hour Tons/Year				Date of	*	Applicable Standard		
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change	Data			
	Source 16 – Hammer Mill, Silos, and Day Bins										
										1200-03	
PM		0.78	0.78		4.04	4.04		5/25/2021		0701(5)	
Total HAPs					0.01	0.01		5/25/2021		0903(8)	

^{* -} Source of data

Permit Number: 979077

65-0049-17

	Source Status: New⊠	Modification Expansion	Relocation Permit Status	s: New⊠ Renewal□	
SD	NSPS NESHAPs	Previous Permit Number	: Construction	Operating 570857	

	Pounds/Hour			Tons/Year				Date of	*	Applicable Standard	
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change	Data			
	Source 17 – Silos, and Day Bins										
										1200-03	
PM		2.39	2.39		10.45	10.45		5/25/2021		0701(5)	
Pb					0.02	0.02		5/25/2021			
Total HAPs					0.27	0.27		5/25/2021		0903(8)	

^{* -} Source of data

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name:	Heraeus America,	Precious LLC	Metals	North	Fil	e Number:	65-0049	EPS Initials	SPA
Permit Number(s):	979077				So	urce Point N	umber(s): 14		
Application Receive	ed (date):	5/25/2021			Aŗ	plication Co	omplete (date):	5/25/2021	
Air Quality Analysi	s Performe	d? Yes□ 1	No⊠						
Briefly describe the particular (replacing what source				(what the	process	s is) (type co	ntrols proposed)	(emissions expec	cted, qualitative)
includes mul smelter will in These source HCl emission compounds (The smelter only fuel sou	tiple sources be controlled s will be sub as are expect VOC) from afterburner a rce.	as a smelter, can be a lime-in- oject to a Case ted to be over the calciner, so and calciner when the calciner were the calciner when the calciner were and calciner when the calciner were and calciner were as the calciner when the calciner were as the calciner were as the calciner were as the calciner were the calcin	lciner (wit jected bagl by Case M 49 tons p o no furthe	th ball mills house, the contact to he er year from the VOC are combined 6	and blocalciner elp cont the si expecte 5.0 MM	ender), a hame and hammer rol HAPs, lan melter. There ed from the sn Btu/hr maxim	mer mill, and add mill will each be guage was borro is an expected e nelter.	o install a new proditional bins and secontrolled by a bewed from multiple mission of volatilatilizing Natural Cope performed according to the product of th	ilos. The baghouse. e MACT; e organic
Case by Case monthly PM Source 14 d requirement	e MACT records records epi ue to the posterior source 1 method is ba	quirements of ing requirements otential to en 5 (Condition States on the str	permit 979 nts for sou nit being b S2-4G) wa	9077 using arces 14 and below the instances skept becares	EPA Market 15, basing the second terms of the	Iethods 26A cased on bagho cant threshol PTE was abo	or 320. The periouse operation, the dof 5 tons per ove 20 tons per y	mittee asked to re he request was gr year. The recor ear. Source 14's y Case MACT and	move the canted for dkeeping PM limit
				Rules A	Analy	ysis			
Title V⊠ Cond.	Major 🗌	Minor	Sou	rce catego	ory list	ted in 1200-	03-0901(4)(b)1.(i)? Yes	No⊠
Reason for PSD: Applicable NSPS: Applicable NESHAP Applicable NESHAP		40 CFR P 40 CFR P	ource abov art 60, Sub art 61, Sub art 63, Sub	part		State R State R	increase in ule 1200-03-16 ule 1200-03-11 ule 1200-03-31		N/A ⊠ N/A ⊠ N/A ⊠ N/A ⊠
						tate Rules			-
PM Emissions: SO ₂ Emissions: CO Emissions: VOC Emissions:	1200-03- 1200-03- 1200-03- 1200-03-	07 - 01(5 14 - 03(5 07 - 07(2 07 - 07(2	(i)	N/A	HCl I	Emissions: Emissions: Emissions: Emissions:	1200-03- 1200-03- 1200-03- 1200-03-		N/A
Visible Emissions from		Source 14	not	to exceed	10	% opacity p	· · · · · · · · · · · · · · · · · · ·		03- <u>05</u> <u>03(6)</u>
Visible Emissions from		Source 16		to exceed	10	% opacity r	· · · · · · · · · · · · · · · · · · ·		03- <u>05</u> <u>03(6)</u> 03- <u>05</u> <u>03(6)</u>

Comments:			