

Statement of Basis - Narrative

NSR Permit

Type of Permit Action: Significant Modification

Facility: Chino Mine
Company: Freeport-McMoRan Chino Mines Co
Permit No(s): 0298-M11 and P066-R3M1
Tempo/IDEA ID No.: 526 - PRN20220001
Permit Writer: Joseph Kimbrell

Fee Tracking (not required for Title V)

Tracking	NSR tracking entries completed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	NSR tracking page attached to front cover of permit folder: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Paid Invoice Attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Balance Due Invoice Attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Invoice Comments:

Permit Review	Date to Enforcement: NR	Date of Enforcement Reply: NR
	Date to Applicant: 9/1/2022	Date of Applicant Reply: TBD
	Date to EPA: NR	Date of EPA Reply: NR
	Date to Supervisor: Draft 8/25/2022; Proposed	

1.0 Plant Process Description:

Freeport-McMoRan Chino Mines Company (Chino Mines) owns and operates the Chino Mine (Chino) facility. The Chino mine is an open-pit copper mine located approximately 15 miles east of Silver City in Grant County, New Mexico (UTM Zone 12 and Air Quality Control Region 12). The primary purpose of the facility is to produce copper cathode using the Solvent Extraction – Electro-winning (SXEW) process and produce copper concentrate using a wet flotation process. Chino is a PSD Minor source under the Prevention of Significant Deterioration (PSD) rules as currently permitted and will remain a minor source after this proposed permit renewal/significant modification. This facility will also remain a major source for operating permit purposes under Title V (20.2.70 NMAC).

The Chino Mine is located near Bayard, New Mexico, within Grant County. The mine produces copper cathode using the Solution Extraction - Electro-winning (SX/EW) process in the SX/EW Plant and produces copper concentrate using a wet flotation process in the Ivanhoe Concentrator. Mine operations associated with the Santa Rita Pit consist of blasting, loading, hauling, placement of waste rock and leach rock on stockpiles, and transport of concentrator ore to the Primary Crusher. Concentrate slurry from the Ivanhoe Concentrator travels approximately seven miles by pipeline to the Filter and Blending Plants near Hurley, New Mexico where the slurry is dewatered and loaded into over-the-road trucks and rail cars for transport to off-site smelters for further processing. Other operations at Chino include a portable screening plant operated in the pit area and operation of the Chino Power Plant near Hurley. The Chino Power Plant produces electric power on an as-needed basis from one (1) Westinghouse natural gas-fired turbine and one (1) Nooter/Ericksen natural gas-fired Heat Recovery Steam Generator (HRSG) duct burner. The Cobre Mine is located approximately two miles north of the Chino Mine. The Cobre Mine property is contiguous and adjacent to the Chino Mine property. Mining at the Cobre mine is occurring at

the Hanover Mountain and the Continental pit with mined material sent to Chino via haul trucks on a haul road connecting the two facilities. Magnetite is screened by a contractor owned and operated screening plant and loaded into over-the-road trucks and rail cars for transport to customers off-site. There are many diesel-fired emergency generators at Chino & Cobre for use during unplanned power outages and a tailing impoundment.

2.0 Description of this Modification:

This application seeks to authorize the construction of a material borrow pit near the Cobre Haul road to provide material for maintenance of the facility haul roads. This construction will require four blasts that are to occur separately, but only for this single construction event, these blasts are not to be completed during any other blasting events at the facility. With this revision blasting and material handling at this borrow pit are to be included to the facility emissions. These new emission sources are not to modify any preexisting sources or scenarios. New Units include BORR_BLST: Cobre Haul Road Borrow Pit Blasting and BORR_MH: Cobre Haul Road Borrow Pit Material Handling.

3.0 Source Determination:

1. All emission sources from Chino and Cobre Mines are included. This may not be a complete list, see Table 2-A of the application for a complete list.

UNIT	DESCRIPTION
WH Crush	White House Crushing and Screening Plant
Conveyor Belt Drop Point #1-6	Hurley Filter Plant and Blending Plant Conveyors
Front End Loader	Hurley Blending Plant Loader
Turbine	Hurley Power Plant 455 MMBtu/hr, 37.5MW, Gas Turbine
HRSB Duct Burner	Hurley Power Plant Heat Recovery Steam Generator w/ 48.8 MMBtu/hr Duct Burner
Misc. Fugitive Emissions	Fugitives - All Areas
Molybdenum Plant Wet Scrubber	Wet scrubber controlling emissions from Moly Plant circuit
Primary Crusher Dump Point	Ore Dump to Crusher
Primary Crusher	Crusher
Conveyer Transfer System	Coarse Ore Conveyer
Coarse Ore Conveyer Transfer Point	Enclosed Concentrator Conveyer Transfer Point
Stacker Conveyer Drop Point	Coarse Ore Conveyer Drop Point
SAG Mill Feeders	Concentrator Mill Conveyors
Lime Unloading System	Lime Unloading controlled by wet scrubber
Lime Handling System	Milk of Lime mixing controlled by wet scrubber
SX/EW Plant Six Mixer/Settler Tanks	6,150 sqft tanks each
SX/EW Plant Four Mixer/Settler Tanks	9,776 sqft tanks each
SX/EW Plant Sulfuric Acid Tankhouse	Electrowinning Tankhouse
SX/EW Boiler No. 1	SX/EW Plant – 1.255 MMBtu/hr Propane-fired Boiler
SX/EW Boiler No. 2	SX/EW Plant – 1.255 MMBtu/hr Propane-fired Boiler
SX/EW Boiler No. 3	SX/EW Plant – 1.4 MMBtu/hr Propane-fired Boiler
SIPX	Reagent mixing facility
Cobre Mine Material Handling	Rail/Truck loading/unloading of magnetite
Cobre Mine Screening Plant (CO/CO)	Fugitive emissions from material handling and screening, Contractor Owned/Contractor Operated

UNIT	DESCRIPTION
Cobre Mine Screening Plant Engine	Cobre Mine Screening Plant Diesel Engine
Cobre Mine Haul Roads	Fugitive emissions from traffic on unpaved surfaces
Cobre Tailings Impoundment	Fugitive emissions from tailings impoundment area
Cobre Mine Caterpillar Generator Set #2	Emergency Diesel Engine
Cobre Mine Caterpillar Generator Set #3	Emergency Diesel Engine
Chino Mine Material Handling	Truck loading/unloading of fragmented stone
Chino Mine Haul Roads	Fugitive emissions from traffic on unpaved surfaces
Chino Mine Screening Plant (FO/FO)	Material handling and screening fugitive emissions, Facility Owned /Facility Operated
Chino Mine Screening Plant Diesel Engine	Chino Mine Screening Plant Diesel Engine
Chino Mine Blasting	Chino Mine Blasting using ammonium nitrate fuel oil (ANFO)
Chino Tailings Impoundment	Fugitive emissions from tailings impoundment area
Chino Gasoline Dispensing Facilities	Fugitive emissions from fuel dispensing

2. Single Source Analysis:

- A. SIC Code: Do the facilities belong to the same industrial grouping (i.e., same two-digit SIC code grouping, or support activity)? Yes, SIC 1021
- B. Common Ownership or Control: Are the facilities under common ownership or control? Yes, all are now owned by the same company.
- C. Contiguous or Adjacent: Are the facilities located on one or more contiguous or adjacent properties? Yes, cover extensive amount of land with some areas separated by public roadways.

3. Is the source, as described in the application, the entire source for 20.2.70, 20.2.72, or 20.2.74 NMAC applicability purposes? Yes, all sources from Chino and Cobre Mines which are separated by some distance in places are owned and operated now by one company, Freeport-McMoRan Chino Mines Co.

4.0 PSD Applicability:

This facility is a PSD minor source.

5.0 History (In descending chronological order, showing NSR and TV): *The asterisk denotes the current active NSR and Title V permits that have not been superseded.

Permit Number	Issue Date	Action Type	Description of Action (Changes)
P066R4	TBD	Title V Renewal	Application for renewal due NLT 8/10/2022.
*0298M11	TBD	Regular-Significant Revision (Joe Kimbrell)	This application seeks to authorize the construction of a material borrow pit near the Cobre Haul road to provide material for maintenance of the facility haul roads. This construction will require four blasts that are to occur separately, but only for this single construction event, these blasts are not to be completed during any other blasting events at the facility. With this revision blasting and material handling at this borrow pit are to be included to the facility emissions. These new emission sources are not to modify any preexisting sources or scenarios. New Units include BORR_BLST: Cobre Haul Road Borrow Pit Blasting and BORR_MH: Cobre Haul Road Borrow Pit Material Handling.
P066R3M1	4/15/22	Title V Significant Modification (Joe Kimbrell)	Application for modification to incorporated NSR Permit 298M9, M10, and M10R1&R2.
0298M10R2	8/30/21	Admin Revision (Joe Kimbrell)	Equipment information updates following a field inspection by Margaret Doyle. Information updated in Permit P066R3M1 and Tempo database.
0298M10R1	1/28/21	Technical Revision (Joe Kimbrell)	Table 108.B is removed from the permit and the reference to the table that appears in Specific Condition A112.A, Recordkeeping (3). This Technical Revision modifies Control Scenario 2, in order to accommodate increased throughput for the SWRDF stock pile material handling from 40,000 tons/day to 75,000 tons/day. The increase in fugitive PM10 emissions to 0.84 tpy are minimum and still does not trigger a required permit emissions limit in Table 106.A of Permit 0298M10. The 75,000 tons/day throughput limit was already shown in Table 105.D2 of Permit 0298M10. However, Table 108.B represented the limit of 40,000 tons/day. Table 108.B has been determined to be redundant and removed by this action.

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Permit Number	Issue Date	Action Type	Description of Action (Changes)
0298M10	4/21/20	Regular-Significant Revision (Joe Kimbrell)	The proposed modification will consist of 1) updating Specific Condition Table 105.D, Maximum Cobre Mine Throughput Limits & Haul Road Control Requirements by updating the name to Control Scenario 1 and showing new control efficiencies; 2) increasing emissions associated with the haul roads, material handling, and screening plant operations in a new Control Scenario 2; 3) adding a new crusher and screen plant to facilitate the production of aggregate and road base material; 4) increasing the impoundment area of the tailings pond, and 5) remove two permitted diesel engines along with the covers from the SXEW mixer/settler tanks, which will not change the emissions associated with the SXEW units.
0298M9	1/25/19	Regular-Significant Revision (Joe Kimbrell)	The proposed modification will consist of adding a lime slaking process to the Chino Mine. There are multiple factors contributing to the need for a lime slaker. Total Suspended Particulates (TSP) emission limits were removed from the permit since the New Mexico State TSP Rule was repealed in November 2018.
P066R3	8/10/18	Title V Renewal (Joe Kimbrell)	P066R3 - This operating permit application is for a permit renewal/significant modification. Per 20.2.70.401.C.(4) NMAC, this permitting action will incorporate the changes authorized by NSR Permit 0298-M8-M8R3, & M7 remove 2 SX/EW Boilers 4 & 5 that were never installed, and add engines to the permit that are exempt under an NSR regulations but cannot be considered insignificant under a Title V permit since the units are subject to a Federal regulation such as MACT ZZZZ. Units 9-LPG Emergency Generators-GENERAC1-7, RT-1&2
0298M8R5	6/14/18	Admin Revision (Joe Kimbrell)	This application form is for the Chino facility's raffinate pond, which will be an exempt unit pursuant to 20.2. 72.202.8(5) NMAC as VOC emissions are less than 0.5 tpy. Also included the removal of 2 SX/EW Boilers 4 & 5 that were never installed.
0298M8R4	1/9/18	Admin Revision (Joe Kimbrell)	The exemption is authorized under paragraph 3 regarding standby generators. Section 219.A.3 specifies that administrative permit revisions under 202.B become effective upon receipt of the notification by the Department.

5.0 History (In descending chronological order, showing NSR and TV): *The asterisk denotes the current active NSR and Title V permits that have not been superseded.

Permit Number	Issue Date	Action Type	Description of Action (Changes)
0298M8R3	4/20/17	Admin Revision (Joe Kimbrell)	The exemption is authorized under paragraph 4 “The act of repositioning or relocating sources of air emissions or emissions points within the plant site, but only when such change in physical configuration does not increase air emissions or the ambient impacts of such emissions”. Section 219.A.3 specifies that administrative permit revisions under 202.B become effective upon receipt of the notification by the Department. FMI’s request to adjust Santa Rita pit boundary and the property boundary is also authorized by General Permit Conditions B101.A-C since it was determined this change does not cause a change in the method of control of emissions or in the character of emissions, and will not increase the discharge of emissions or affect modeling results.
0298M8R2	1/19/17	Admin Revision (Joe Kimbrell)	The exemptions are authorized under paragraphs 202.A, 202.B3, and 202.B5 for the Emergency Fire Water Pumps, Emergency Standby Generators, and Electrolyte Recovery Sump described in your request.
0298M8R1	12/5/2016	NSR Technical Revision (Joe Kimbrell)	PSD Minor Source Revision consists of adding two (2) 2.9 MMBtu/hr LPG-fired boilers, units SXEW Boiler No. 4 and SXEW Boiler No. 5 per 20.2.72.219(1)(b) NMAC. [removed from permit June 2018 as never installed]
0298M8	7/12/2016	Regular-Significant Revision (Joe Kimbrell)	PSD Minor Source Modification consists of increasing the waste rock and ore throughputs for Cobre and Chino Mines and adding operating Scenarios 2 to Chino and operating Scenarios 1a and 1b to Cobre, (This increases emission rates for Units CBM HR, CM MH, CM TLNGS, CV-01C, and SCDP) and also added are particulate blasting to Hanover Mountain, Continental Pit, and the Santa Rita Pit. One additional stockpile, NSPE, has been added to Chino. The mill throughput was increased to match the throughput for the crusher. For the Chino portion, mining scenario 1 represents filling the NSPE stockpile at maximum throughput and mining scenario 2 represents operation after NSPE stockpile at Chino is full. This action increases the control efficiency for unpaved haul roads under several combined control measures from 80% to 88.8% resulting in an emission reduction for Chino Mine Haul Roads (Unit CM HR). This action also increases VOC emissions from gasoline dispensing facilities (Unit GDF). The magnetite

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			operation at Cobre will not be affected by the proposed operations at Chino.
0298M7	5/5/2015	Regular-Significant Revision (Joe Kimbrell)	<p>PSD Minor Source Re-open Cobre Mine for the removal of Hanover Mountain and build bridge connecting Cobra and Chino Mines with alternative scenarios for PM emission controls. Cobre Mine ceased active mining operations in 1999 and applied for stand-by status designation through NMED and MMD, that request was granted. Permit NSR 0298M5 issued on 1/20/2012 partially returned operational status only for the screening and shipment of Magnetite, the remaining activities remaining on stand-by status designation. Current permit application 0298M7 seeks potential restart of mining activities and return to operational status, still under review by the agencies.</p> <ul style="list-style-type: none"> - CBM EGEN: exempt from NSR but will remain subject to MACT and Title V. - CBM HR, CBM MH, CM BLST: emissions associated with mining Hanover Mountain and Continental Pit. - CM MH: The material handling throughputs are not affected by the proposed changes but permitted emission rates are being updated to match current calculations. - SXEW 10MST & SXEW RT: The calculations were updated to include diluent ORFOM SX-80. - SXEW SAT: Calculations for this unit were updated; wind speed was changed from 6.49 mph to 10 mph based on recent on-site meteorological tower data.
298M6R7	3/19/2015	Admin Revision (Joe Kimbrell)	This revision consists of an Administrative Revision (NOE) to add six (6) stand-by generators to the previous list of standby generators recognized in the previous 0298M7R6 action, for a total of 14 (fourteen) active stand-by generators; it is understood that these generators are to be used solely in the event of unavoidable loss of commercial utility power to maintain pond levels and process control monitoring during upset conditions. Please note that units No. sxlpwrprm 3, 6, 7, 9 and 10 do not meet the requirements of stationary engines and have been removed from the list.
298M6R6	6/25/2014	Admin Revision (Joe Kimbrell)	This revision consists of an Administrative Revision (NOE) for the following for fourteen (14) standby generators to be used solely in the event of unavoidable loss of commercial utility power to maintain pond levels and process control monitoring during upset conditions.

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Permit Number	Issue Date	Action Type	Description of Action (Changes)
298M6R5	5/5/2014	Admin Revision (NOE) (Joe Kimbrell)	This Admin authorizes the addition of a rental unit, a Laars Pennant Boiler (hot water heater) with the capacity of 1.7 MM BTU/hr. has been approved with the understanding that it will be used to heat a small flow (50 gpm) of electrolyte for cathode quality experiments for six (6) weeks. Even though the boiler is expected to operate for only six (6) weeks, the potential emission rates of particulate matter, sulfur dioxide, carbon monoxide, nitrogen dioxide and VOC's, based on 8760 hours per year of operation, will still be under the permitting threshold of 1/2 tons per year further meeting the NOE requirements.
298M6R4	2/7/2014	Technical Rev (Joe Kimbrell)	Freeport-McMoRan Chino Mines Company (Chino) submitted a Technical Revision to the New Mexico Environment Department (NMED), Air Quality Bureau (AQB) to incorporate following:1. North haul road from the In-Pit NW Stockpile to the West Stockpile.2. Expand the footprint of the South Stockpile by adding STS2 and Upper South Stockpiles.3. Addition of a 1.4 MMBtu/hr propane-fired Boiler (Water Heater) Pursuant to 20.2.72.219 B. (1) (a)(b) NMAC technical revision may be employed to make this change because; a. Chino Mines is incorporating a change in the permit solely involving a change in monitoring, record keeping of through put via the temporary North haul road, and South stockpile footprint expansion. b. The potential emission rate from SXEW Boiler No.3 for any single regulated pollutant is less than one pound per hour.
298M6R3	Denied	Admin Rev	11/27/2013 denied as Admin, needs to be Tech at least with modeling.
298M6R2	8/29/13	Admin Rev	Add exempt source.
298M6R1	4/1/2013	NSR Technical Revision	Revise Permit Condition A302 A. to: - Increase the hourly throughput limit of the Cobre Mine Screening Plant (Unit CB SCRN) from 300 tons per hour to 450 tons per hour and increase the annual throughput limit from 700,000 tons per year to 1,346,800 tons per year. Revise Permit Condition A108 C. to: - Increase the daily throughput limit of the Cobre Mine Material Handling of Magnetite (Unit CBM MH) from 2,700 tons per day to 4,500 tons per day and increase the annual throughput limit from 600,000 tons per year to 1,346,800 tons per year. NOE application to construct and operate the reagent mixing facility (Unit SIPX).

5.0 History (In descending chronological order, showing NSR and TV): *The asterisk denotes the current active NSR and Title V permits that have not been superseded.

Permit Number	Issue Date	Action Type	Description of Action (Changes)
P066R2	12/13/2012	Title V Renewal	Incorporate all changes authorized by NSR Permit 0298M6. Application was ruled Incomplete on 6/15/11 until NSR 285M6 is issued. Title V permit expires on 5/23/2012 and this application must be ruled complete before this date or the Company loses its permit shield.
298M6	9/14/2012	NSR Significant Modification	This modification consists of increasing the amount of blasting agents used at the Chino Mine; increasing the material handling and hauling capacity of the Chino Mine; increasing the throughput and operating hours of the Chino Screening Plant; and revising the emission factors for calculating emissions from the Primary Crusher Dump Pocket and the Stacker Conveyor Dump Point. PSD Major for GHG only. This action was not significant.
298M5	1/20/2012	NSR Significant Modification	<p>No new operations are being added. All equipment and operations are existing sources.</p> <p>This significant revision proposes that the consolidated Construction Permit incorporate the following changes from existing Construction Permits now owned by one Company, Freeport-McMoRan Chino Mines Co:</p> <ul style="list-style-type: none"> • Cobre Mine - The existing emission sources include magnetite loading and hauling, two emergency generators, haul road traffic, and the inactive tailings impoundment. Other operations currently contained in NSR 1089-M1 such as drilling, blasting, crushing, conveying, concentrating, and solvent extraction are not required for anticipated operations at Cobre and therefore are not required for the consolidated permit. A contractor owned/operated screening plant powered by a diesel engine will be used to screen debris from magnetite prior to loading into trucks, • Chino Power Plant – The Continuous Emissions Monitoring System (CEMS) is not required by New Mexico or USEPA regulations and we are proposing that it be removed from the permit requirements for the Power Plant. In place of the CEMS, Chino proposes to conduct periodic emissions testing on the combustion turbine and HRSG to provide a reasonable assurance of compliance with emission limits. • Chino Screening Plant – This Screening Plant is currently permitted under General Permit GCP-2-3629. Chino is proposing to accept operating limits on the Screening Plant to incorporate it into the consolidated permit and cancel the current General Permit. Inclusion of the

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Permit Number	Issue Date	Action Type	Description of Action (Changes)
			Screening Plant in the consolidated permit will eliminate the need to submit a Relocation Notice to NMED for operation of the plant anywhere in the Santa Rita Pit. Startup, Shutdown, and Maintenance emissions are included in the Potential-to-Emit emissions for both non-combustion sources such as material handling and combustion sources. Canceled permits following issuance of 298M5: GCP2-3629, 1089M1, 0376M5, and 1964M1.
GCP2-3629	10/6/2007	New	Freeport-McMoRan - Chino Mine Road Base Screening Plant GCP2-3629
P066R1M2	6/6/2008	Administrative Revision	The Department corrects the emission limits due to transposing and calculation error in the permits as follows: (1) For Unit No. SAG-F1 (IC-04), the SAG Mill Feeder, the emission limits for Total PM are corrected from 0.7 pph/0.2 tpy to 0.2 pph/0.7 tpy. (2) For Unit No. LSH-01 (IC-06), the Lime Handling System, the Total PM emission rates are corrected from 0.001 pph and 0.0001 tpy to 0.001 pph and 0.0046 tpy. Since the emission rates are well below Title V significant level and the Toxic Air Pollutant threshold of 0.333 pph (202.72.502 NMAC), the Total PM emission limits for Unit No. LSH-01 (IC-06) should not have been established and now removed.
P066R1M1	5/2/2008	Administrative Revision	This revision consists of an action to change the Chino Mines Company name to Freeport-McMoRan Chino Mines Company; also, Phelps Dodge Corporation, a wholly-owned subsidiary of Freeport-McMoRan Copper and Gold Inc, will change its name to Freeport-McMoRan Corporation.
P066R1	5/23/2007	Renewal	Renewal of operating permit without smelter, flash furnace, acid plant, Anode and converter operations. A modification application was submitted by Company which was close to time for a renewal, so 2004 modification was changed to a renewal application. Combines NSR 0376 and 0298 into one TV Permit.
0376M5R4	2/13/2007	Administrative Revision	Applicable – add to P066R1. In an effort to verify actual operating equipment in the Title V renewal, Chino requested that the equipment associated with the “Sulfur Burner project” authorized by NSR permit 0376M5 be rescinded since the modifications was never and will not be constructed. See the equipment table in SB-DBS for list of equipment not to be permitted. This will remove all emission units and conditions associated with the “Sulfur Burner project”.

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Permit Number	Issue Date	Action Type	Description of Action (Changes)
0298M4R2	2/13/2007	Administrative Revision	Applicable – add to P066R1. In an effect to verify actual operating equipment in the Title V renewal, Chino requested NSR permit 0298M4 be rescinded since the modifications authorized for the “SAG Pre-Crushing Circuit” were never constructed. See the equipment table in SB-DBS for list of equipment not to be permitted. This will remove all emission units and conditions associated with the “SAG Pre-Crushing Circuit. The emissions decreased as a result of this by 10.6 tpy to 21.3 tpy for TSP and 5.1 tpy for PM ₁₀ to 16.0 tpy.
0376M5R3	1/6/2006	Administrative Revision	Applicable – add to P066R1 Removal of equipment associated with Smelter from operation.
0376M5R2	5/7/2004	Administrative Revision	Applicable – add to P066R1 This revision consists of adding (30) thirty various types and sizes of exempt space heaters to Permit No. 0376M5 in accordance with 20.2.72.202.B.1 NMAC. The fuel burning equipment will be used solely for heating buildings for personal comfort and or producing hot water for personal use with a gaseous fuel design rate less than or equal to five (5) million BTU per hour.
0298M4R1	3/7/2004	Administrative Revision to Ivanhoe Concentrator	Applicable – add to P066R1 This revision consists of adding (11) eleven various types and sizes of exempt space heaters to Permit No. 0298M4 in accordance with 20.2.72.202.B.1 NMAC. The fuel burning equipment will be used solely for heating buildings for personal comfort and or producing hot water for personal use with a gaseous fuel design rate less than or equal to five (5) million BTU per hour.
0376M5R1	3/9/2004	No Permit Required	No applicable requirements This action is the same as 376M5R2, an error in numbering and lost application resulted in two numbers being assigned. JK, 1/11/2006
0376M5	12/21/2001	Technical Revision to NSR 0376-M2	No remaining applicable requirements based on 376M5R3. Specific conditions to M2 were added for the: q) operation of the Hurley Smelter’s acid plant; r) equipment added included: Sulfuric Acid Production Unit, and a furnace startup burner; s) added 3 scenarios; v) Sulfuric Acid production unit is subject to 40 CFR 60, Subpart H.

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Permit Number	Issue Date	Action Type	Description of Action (Changes)
298-M4	11/16/2001	Ivanhoe Concentrator Significant Revision supersedes all portions of 298-M3.	Not Applicable – per NSR 0298M4R2, permit 298-M3 is now the effective permit. The permit authorized adding twelve new units (DG01, CV02, DS01, CV03, CV04, BN02, FE01, CR01, CV05, DC02, DC03, DC04) and two modifying existing units (CV-01A, CV-01B) and seven existing units (PC01, CTS01, CV01C, SAG-F1, LUS01, LHS01, PCBH01) associated with the Molybdenite heat treater, recycle crushers, and the tertiary grinding circuit.
0376M4	8/13/2001	Significant Revision, supersedes all conditions of 376-M3R1, except 2 RICE, Units TGC-1E and TGC-2W.	Remaining applicable requirements based on 376M5R3 relate to Turbine, HRSG and 2 engines. See note re: engines below. Units added: F-2-1-1.1, Boiler #6 F-2-1-1.2: Boiler #7 F-2-1-1.3 Boiler #8 F-2-1-1.4: Westinghouse 37.5 MW gas turbine; F-2-1-1.5: Nooter/Ericksen 48.8 MMBtu/hr Heat Recovery Steam Generator w/burner (HRSG); Superseded Permit 376-M3R1 except for the conditions applying to the two natural gas reciprocating engines (Unit TGC-1E and Unit TGC-2W). These two engines were installed under a temporary permit and were removed from the facility within 18 months in accordance with permit conditions. They are no longer present at the site.
P066	7/25/2000	Initial Operating Permit	Based on changes up to 376M2. NSR 298 was not added to this permit.
376-M3 & R1	2/20/2001	Emergency Permit Significant Permit Revision No. 376-M3	No remaining applicable requirements superseded by 376M4. Authorized the modification and operation of the Hurley Smelter. The facility was a primary copper smelter that produced copper anodes by processing concentrated copper feed stocks. NSR 376M3 was a letter emergency permit authorized by Pete Maggiore on 6/29/2001. The actual permit for the emergency authorization was done by NSR 376M3R1 dated 7/3/2001.
376-M2	5/9/1997	Significant Revision	Remaining applicable requirements to be added to P066R1 relate to Conveyors PM/PM10 limits and hours of operation. Authorized modifications and operation of Hurley Smelter. This permit superseded all portions of Permit 376M1 issued 5/12/1995.
298-M3	4/28/1994	Significant Revision	Per NSR 298M4R2 this permit is now Applicable since 298M4 was rescinded – add to P066R1 Concentrator Tertiary Expansion

6.0 Public Response/Concerns: A mailed comment letter was received by AQB June 3, 2022. AQB sent the first citizen letter to the commenter on June 7, 2022. The second citizen letter, along with the draft permit and SOB was sent to the commenter on XXXXX. Public Involvement Plan (PIP) signed 7/23/2022.

7.0 Compliance Testing:

Unit No.	Compliance Test	Test Dates
F-2-1-1.4	Testing in accordance with EPA Test Method 19 as required by NSR permit 0298-M8-R5 and Title V permit P066-R3 sections A401(B) and B111A(1).	03/06/2018

8.0 Startup and Shutdown:

- A. If applicable, did the applicant indicate that a startup, shutdown, and emergency operational plan was developed in accordance with 20.2.70.300.D(5)(g) NMAC? **Yes**
- B. If applicable, did the applicant indicate that a malfunction, startup, or shutdown operational plan was developed in accordance with 20.2.72.203.A.5 NMAC? **Yes**
- C. Did the applicant indicate that a startup, shutdown, and scheduled maintenance plan was developed and implemented in accordance with 20.2.7.14.A and B NMAC? **Yes**
- D. Does the facility have emissions due to routine or predictable startup, shutdown, and maintenance? If so, have all emissions from startup, shutdown, and scheduled maintenance operations been permitted? **Yes, SSM emissions were included in the steady-state allowable emission limits. Therefore, separate SSM Limits are not required.**

9.0 Compliance and Enforcement Status:

For NSR 0298M11: A July 19, 2022, email from Jeremy Espinoza of the C&E Section indicated there is an open enforcement case with this facility potentially dealing with failure to submit reports in a timely manner. Since the case is in progress there is nothing in the form of special conditions needed in this permit action.

For Title V P066R3M1: Email reply from Teri Waldron on 6/25/2021 states: *“There is no outstanding notice of violation and no settlement agreement for which all actions have not been completed. No compliance plan needs to be placed in the Title V Permit.”*

For NSR 0298M10: Email from Shannon Duran on 4/21/2020 for verification of compliance stated: There are currently no outstanding notices of violation or ongoing settlement agreements with the Enforcement team for this Facility.

For NSR 0298M9: Per 11/13/2018 email from Mariah Baldonado, “There are no outstanding Notice of Violations or SASFCOs for this facility.”

10.0 Modeling:

For NSR 0298M11: Modeling is being reviewed by Angela Raso?.

For NSR 0298M10: Per his 3/25/2020 modeling analysis and report, Eric Peters concluded the following: “is modeling analysis demonstrates that operation of the facility described in this report neither causes nor contributes to any exceedances of applicable air quality standards. The standards relevant at this facility are NAAQS for PM10 and PM2.5, and Class I and Class II PSD increments for PM10. 20.2.72.400-499 NMAC establishes permitting requirements for State Toxic Air Pollutants (TAPs) which are identified in 20.2.72.502 NMAC. The regulations require a source to conduct modeling to predict the concentration of a TAP if its potential emission rate is greater

than the screening level identified in that section. The screening level may be adjusted by the stack height correction factor listed in 20.2.72.502 NMAC. If a source must model the concentration of a TAP, the TAP is not expected to pose an environmental concern, and no further action is required, if its concentration remain below one percent of the Occupational Exposure Limit (OEL) for that TAP. For this application, modeling demonstrates that the concentrations of Sulfuric acid remain below one percent of the OEL.”

Modeling Waiver for 298M9 was approved by Eric Peters on 9/28/2018.

Modeling for 298M8 was reviewed by Eric Peters and completed on June 8, 2016.

298M8 Conclusion: This modeling analysis demonstrates that operation of the facility described in this report neither causes nor contributes to any exceedances of applicable air quality standards. The standards relevant at this facility are NAAQS for PM₁₀, and PM_{2.5}; NMAAQs for TSP; and Class I and Class II PSD increments for PM₁₀.

298M8 Action: The permit can be issued based on this modeling analysis.

Modeling report submitted by Trinity Consultants (dated 3/14/2016)

The air quality analysis demonstrates compliance with applicable regulatory requirements for PM₁₀, TSP, and PM_{2.5}.

Model(s) Used: AERMOD was used to run the modeling analysis.

Note: Complete modeling input and output files can be made available and are located on the server Aurora in the directory AQB/ModelingArchives/0298M8_Freeport-McMoRan_Chino Mine M8.

Previously, Modeling for 298M7 was reviewed by Eric Peters and completed on April 2, 2015. New emission factors and dust control plan to offset increase in emissions.

298M7 Conclusion: This modeling analysis demonstrates that operation of the facility described in this report neither causes nor contributes to any exceedances of applicable air quality standards. The standards relevant at this facility are NAAQS for CO, NO₂, PM₁₀, PM_{2.5}, and SO₂; NMAAQs for CO, NO₂, SO₂, and TSP; and Class I and Class II PSD increments for NO₂, PM₁₀, and SO₂.

298M7 Action: The permit can be issued based on this modeling analysis.

Modeling report submitted by Trinity Consultants (dated 1/7/2015)

The air quality analysis demonstrates compliance with applicable regulatory requirements. For this permit, modeling was required for the following pollutants: Carbon Monoxide (CO), Nitrogen Dioxide (NO₂), Particulate Matter 10 micrometers or less in aerodynamic diameter (PM₁₀), Particulate Matter (2.5 microns or less) (PM_{2.5}), Sulfur Dioxide (SO₂), and Total Suspended Particulate Matter (TSP).

Different scenarios have different emission rates, depending on which areas are being mined. The emissions presented below are those related to the highest impacts, which are not necessarily the highest overall emission rates (due in part to the proximity of the sources to the property boundary).

For 298M5: Email from Eric Peters on 1/12/2012 stating facility’s modeling met standards. Modeling review report completed 1/19/2012 and stated the Cobre Screening Plant can only operate during day light hours, TSP at 100% and PM₁₀ at 97% of standards.

11.0 State Regulatory Analysis (NMAC/AQCR):

CITATION 20 NMAC	Title	Applies (Y/N)	Unit(s) or Facility	JUSTIFICATION:
2.1	GENERAL PROVISIONS	Yes, Always	Entire Facility	The facility is subject to Title 20 Environmental Protection Chapter 2 Air Quality of the New Mexico Administrative Code so is subject to Part 1 General Provisions, Update to Section 116 of regulation for Significant figures & rounding. Applicable with no permitting requirements.
2.3	Ambient Air Quality Standards	Yes for NSR, No for TV	Entire Facility	<p>NSR: 20.2.3 NMAC is a SIP approved regulation that limits the maximum allowable concentration of Total Suspended Particulates, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide.</p> <p>Title V: 20.2.3.9 NMAC, LIMITATION OF APPLICABILITY TO 20.2.70 NMAC. The requirements of NMAAQs are not applicable requirements under 20.2.70 NMAC, as defined by 20.2.3.9 NMAC, 20.2.3.9 NMAC does not limit the applicability of this part to sources required to obtain a permit under the minor NSR regulation, 20.2.72 NMAC, nor does it limit which terms and conditions of NSR permits issued pursuant to 20.2.72 NMAC are applicable requirements in a Title V permit.</p>
2.7	Excess Emissions	Yes, Always	Entire Facility	Applies to all facilities' sources
2.61	Smoke and Visible Emissions	Yes	F-2-1-1.4, F-2-1-1.5, CH SCR ENG, CB SCR ENG, SXE Boilers No. 1-3, ENG-1	This regulation that limits opacity to 20% applies to Stationary Combustion Equipment, such as engines, boilers, heaters, and flares unless your equipment is subject to another state regulation that limits particulate matter such as 20.2.19 NMAC (see 20.2.61.109 NMAC).
2.70	Operating Permits	Yes	Entire Facility	<p>The source is a Title V Major Source as defined at 20.2.70.7 NMAC.</p> <p>This regulation establishes requirements for obtaining an operating permit. This regulation does apply as the facility is a Title V major source of NO_x, CO, PM₁₀, and PM_{2.5}. This facility operates under Title V Permit P066-R3.</p>
2.71	Operating Permit Fees	Yes	Entire Facility	Source is subject to 20.2.70 NMAC as cited at 20.2.71.109 NMAC.

CITATION 20 NMAC	Title	Applies (Y/N)	Unit(s) or Facility	JUSTIFICATION:
2.72	Construction Permits	Yes	Entire Facility	Section 219.D(1)(a) This regulation establishes the requirements for obtaining a construction permit. The facility is a stationary source that has potential emission rates greater than 10 pounds per hour or 25 tons per year of any regulated air contaminant for which there is a National or New Mexico Air Quality Standard.
2.73	NOI & Emissions Inventory Requirements	Yes, Always	Entire Facility	This regulation establishes emission inventory requirements. The facility meets the applicability requirements of 20.2.73.300 NMAC. The facility will meet all applicable reporting requirements under 20.2.73.300.B.1 NMAC.
2.74	Permits-Prevention of Significant Deterioration	No	Entire Facility	Source is not one of the 28 listed at 20.2.74.501 NMAC and – PTE \geq 100 tpy for a regulated pollutant (both fugitive and stack emissions are counted toward applicability) This regulation establishes requirements for obtaining a prevention of significant deterioration permit. Facility-wide non-fugitive emission rates are below PSD-major thresholds. This regulation does not apply.
2.75	Construction Permit Fees	No, for TV	Entire Facility	If subject, this would apply to the entire facility. It is not necessary to include each low level regulatory citation for this regulation. This regulation applies if you are submitting an application pursuant to 20.2.72, 20.2.73, 20.2.74, and/or 20.2.79 NMAC. If this is a 20.2.73 NMAC application, it is subject to the filing fee at 20.2.75.10 NMAC. If this is a 20.2.72, 20.2.74, and/or 20.2.79 NMAC application it is subject to 20.2.75.10, 11 permit fee, and 11.E annual fees. You are not subject to the 75.11.E annual fees if you are subject to 20.2.71 NMAC. TV: No, In accordance with 20.2.75.11.E an annual NSR enforcement and compliance fee shall not apply to sources subject to 20.2.71 NMAC.

CITATION 20 NMAC	Title	Applies (Y/N)	Unit(s) or Facility	JUSTIFICATION:
2.77	New Source Performance	Yes	See Sources subject to 40 CFR 60	This regulation establishes state authority to implement NSPS for stationary sources subject to 40 CFR 60. This regulation applies as the following NSPS subparts apply: -Subpart Dc – Unit F-2-1-1.5 is subject -Subpart GG – Unit F-2-1-1.4 is subject -Subpart LL – Metallic mineral processing units are subject: PC-01, PC DUMP, CTS-01, CV-01A, CV-01B, CV-01C, SAG-F1, IC 01, SCDP -Subpart OOO – Nonmetallic mineral processing unit is WH Crush -Subpart IIII –12 diesel emergency generators -Subpart JJJ-1 natural gas emergency generator and 6 LPG emergency generators
2.78	Emissions Standards for HAPs	No	See Sources subject to 40 CFR 61	This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 61.
2.79	Permits -Nonattainment Areas	No		This facility is not located in, not does it affect, a nonattainment area. Link to Non-attainment Link areas
2.82	MACT Standards for Source Categories of HAPs	Yes	See sources subject to 40 CFR 63	This regulation established state authority to implement MACT Standards for source categories of HAPs. This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63. This regulation applies as the following MACT subparts apply: - Subpart ZZZZ – The following engines are subject: 12-Diesel Emergency Generators, 1-Natural Gas emergency Generator, 6-LPG Emergency Generators, CH SCRNG, CB SCRNG, ENG-1 - Subpart CCCCC – Unit GDF is subject

12.0 Federal Regulatory Analysis:

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
Air Programs Subchapter C (40 CFR 50)	National Primary and Secondary Ambient Air Quality Standards	Yes	Entire Facility	This regulation defines national ambient air quality standards. The facility meets all applicable national ambient air quality standards for NO _x , CO, SO ₂ , lead, ozone, PM ₁₀ , and PM _{2.5} under this regulation.
NSPS Subpart A (40 CFR 60)	General Provisions	Yes	See sources subject to a Subpart	This regulation defines general provisions for relevant standards that have been set under this part. This subpart applies as the following NSPS subparts apply:

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
			in 40 CFR 60	<ul style="list-style-type: none"> -Subpart Dc – Unit F-2-1-1.5 is subject -Subpart GG – Unit F-2-1-1.4 is subject -Subpart LL – Metallic mineral processing units are subject: PC-01, PC DUMP, CTS-01, CV-01A, CV-01B, CV-01C, SAG-F1, IC 01, SCDP -Subpart OOO – Nonmetallic mineral processing unit is WH Crush. -Subpart IIII –12 diesel emergency generators -Subpart JJJJ-1 natural gas emergency generator and 6 LPG emergency generators
40 CFR60.40a, Subpart Da	Standards of Performance for Electric Utility Steam Generating Units,	No		This regulation establishes standards of performance for electric utility steam generating units. This regulation does not apply as this facility does not operate any electric utility steam generating units.
40 CFR 60.40b, Subpart Db,	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	No		This regulation establishes standards of performance for industrial-commercial-institutional steam generating units. This regulation does not apply because the facility's steam generating units do not have capacities which exceed the 100 MMBtu/hr threshold.
40 CFR 60.40b, Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Yes	F-2-1-1.5 (HRSG)	Applicable: facility has steam generating units for which construction, modification or reconstruction is commenced after June 9, 1989 and that have a maximum design heat input capacity of 29 MW or less, but greater than or equal to 2.9 MW. This regulation applies to unit F-2-1-1.5. This regulation establishes standards of performance for small industrial-commercial-institutional steam generating units. This regulation applies to unit F-2-1-1.5 as its heat input (48.8 MMBtu/hr) exceeds the 10 MMBtu/hr threshold. The SXEW Boilers No. 1, 2, 3, are below the 10 MMBtu/hr threshold and are not subject.
40 CFR 60, Subpart Ka	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or	No		Applies to Tanks that have a storage capacity greater than 151,416 liters (40,000 gallons) that are used to store petroleum liquids for which construction is commenced after May 18, 1978.

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
	Modification Commenced After May 18, 1978, and Prior to July 23, 1984			This regulation establishes performance standards for storage vessels for petroleum liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984. There are no petroleum liquid storage vessels located at the facility which are an affected facility under this subpart. Specifically, there are no storage vessels with capacity greater than 40,000 gallons which are used to store petroleum liquids as defined in §60.111a(b). Diesel fuel is not considered petroleum liquid under this definition. Accordingly, this regulation does not apply.
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	No		Applies to facilities that have storage vessels each with storage capacity greater than 75m ³ that are used to store volatile organic liquids and for which construction, reconstruction, or modification commenced after 7/23/84. This facility does not have any organic liquid storage vessels with capacities greater than or equal to 151 m ³ storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with capacities greater than or equal to 75 m ³ but less than 151 m ³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa; therefore, this regulation is not applicable §60.110b(b)].
40 CFR 60.330 Subpart GG	Stationary Gas Turbines	Yes	F-2-1-1.4	Unit F-2-1-1.4 has a heat input = 455 MMBtu/hour which is greater than the 10 MMBtu/hour threshold. This unit was installed in CY2000 which is after the October 3, 1977 applicability date and before the applicability date of February 18, 2005, for Subpart KKKK.
40 CFR 60.380 Subpart LL	Performance Standards for Metallic Mineral Processing Plants	Yes	PC-01, PC DUMP, CTS-01, CV-01A, CV-01B, CV-01C, SAG-	The provisions of this subpart are applicable to the following affected facilities in metallic mineral processing plants: each crusher and screen in open-pit mines; each crusher, screen, bucket elevator, conveyor belt transfer point,

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
			F1, IC-01, SCDP	thermal dryer, product packaging station, storage bin, enclosed storage area, truck loading station, truck unloading station, railcar loading station, and railcar unloading station at the mill or concentrator. This facility includes several units involved in metallic mineral (copper and molybdenum) processing, therefore this regulation is applicable.
40 CFR Part 60 Subpart KKKK	Standards of Performance for Stationary Combustion Turbines	No		There are no units with a heat input greater than the 10 MMBtu/hour threshold and were installed after the applicability date of February 18, 2005.
40 CFR Part 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	Yes	WH Crush	This regulation establishes standards for the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station is an applicable unit. The unit WH Crush processes nonmetallic minerals through a crusher at greater than 150 tph, therefore this regulation is applicable.
40 CFR Part 60 Subpart UUU	—Standards of Performance for Calciners and Dryers in Mineral Industries	No		
40 CFR Part 60 Subpart IIII (Quad-I)	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Yes	12-Diesel Emergency Generators , CB SCRNG, CH SCRNG	(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (3) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator. This regulation establishes standards of performance for stationary compression ignition combustion engines. Engines CB SCRNG and CH SCRNG commenced construction after July 11, 2005 and were manufactured after April 1, 2006. Engine CB SCRNG was

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
				manufactured in February 2012 and engine CH SCRNG was manufactured in August 2006. These engines are subject to NSPS Subpart IIII.
40 CFR Part 60 Subpart JJJ (Quad -J)	Standards of Performance for Stationary Spark. Ignition Internal Combustion Engines	Yes for TV	GENERAC1, GENERAC2, GENERAC3, GENERAC4, GENERAC5, GENERAC6, GENERAC7 RT-1&2	<p>The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (5) of section 60.4230. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.</p> <p>This regulation establishes standards of performance for stationary spark ignition combustion engines.</p> <p>6-LPG Emergency Generators-GENERAC1-7, RT-1&2 are stationary spark ignition engines which commenced construction after June 12, 2006. These engines are exempt equipment under 20.2.72 NMAC. These engines comply with applicable NSPS JJJ standards. Other exempt spark ignition engines at this facility are non-road portable sources and are not subject to this standard.</p>
NESHAP Subpart A (40 CFR 61)	General Provisions	No	See sources subject to a Subpart in 40 CFR 61	Applies if any other subpart applies.
40 CFR 61 Subpart E	National Emission Standards for Mercury	No		This regulation establishes a national emission standard for mercury. The facility does not have stationary sources which process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge [40 CFR Part 61.50]. The facility is not subject to this regulation.
NESHAP 40 CFR 61	National Emission Standards for Asbestos	No	Contingent See Comments	This regulation establishes a national emission standard for asbestos. During normal operation, this regulation is not

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
Subpart M				applicable. However, during any asbestos demolition or renovation work, this subpart would apply.
MACT Subpart A (40 CFR 63)	General Provisions	Yes	See sources subject to a Subpart in 40 CFR 63	This regulation defines general provisions for relevant standards that have been set under this part. This subpart applies as the following MACT subparts apply: -Subpart ZZZZ – The following engines are subject: 12-Diesel Emergency Generators, 1-Natural Gas emergency Generator, 6-LPG Emergency Generators, CH SCRNG, CB SCRNG, ENG-1 -Subpart CCCCCC – Unit GDF is subject
40 CFR 63 Subpart ZZZZ (Quad Z)	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE MACT)	Yes	12-Diesel Emergency Generators, 1-Natural Gas emergency Generator, 6-LPG Emergency Generators, CH SCRNG, CB SCRNG, ENG-1	This regulation defines national emissions standards for HAPs for stationary reciprocating Internal Combustion Engines. The natural gas and 6 LPG emergency generators are new SI RICE sources located at an area source of HAPs. These units must meet the requirements of 40 CFR 60 Subpart JJJJ which also comply with the requirements of 40CFR 63 Subpart ZZZZ. Units CB SCRNG, CH SCRNG, and the 12 diesel emergency generators are new stationary RICE located at an area source of HAPs as the engines commenced construction after June 12, 2006. New compression ignition RICE at an area source of HAPs must meet the requirements of 40 CFR 63 Subpart ZZZZ by complying with the requirements of 40 CFR 60 Subpart IIII. Unit ENG-1 was constructed before June 12, 2006 and not subject to 40 CFR 60 Subpart JJJJ. However, is a source of HAPs and subject to this regulation.
40 CFR 63 Subpart YYYYY (Quad Y)	National Emission Standard for Hazardous Air Pollutants for Stationary Combustion Turbines	No		

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
MACT 40 CFR 63 Subpart JJJJJ	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources	No		This regulation defines national emission standards for HAPs for industrial, commercial, and institutional boilers at area sources of HAPs. The boilers at this facility are fueled by natural gas and LPG and therefore do not fit into any of the subcategories listed in § 63.11200. This facility therefore does not have an affected sources under this subpart. This regulation does not apply.
40 CFR 63 Subpart DDDDD (5-Ds)	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	No		This facility is a minor source for HAPs. This regulation does not apply. Facility is subject to this subpart if it owns or operates an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP as defined in §63.2 or §63.761 (40 CFR part 63, subpart HH, National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities), except as specified in §63.7491.
40 CFR 63 Subpart BBBBB (6-Bs)	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facility			
40 CFR 63 Subpart CCCCC (6-Cs)	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities	Yes	GDF (4 tanks)	This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from the loading of gasoline storage tanks at gasoline dispensing facilities (GDF). The affected source to which this subpart applies is each GDF that is located at an area source. This facility is an area source which has loading of gasoline storage tanks at gasoline dispensing facilities. This regulation applies. Chino has 4 gasoline dispensing tanks and 1 contractor owned tank. As noted in the September 30, 2013 Notification of Compliance Status for Gasoline Dispensing Facilities at the Chino Mine, Chino owns a

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
				GDF with a monthly throughput greater than 10,000 gallons per month, but less than 100,000 gallons per month that is subject to the requirements of 40 C.F.R. §63.11117.
40 CFR 63 Subpart HHHHHH (6-Hs)	National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	No		Categories and entities potentially affected by the rule are paint stripping operations using methylene chloride (MeCl)-containing paint strippers, motor vehicle and mobile equipment surface coating operations, and miscellaneous surface coating operations located at area sources.
40 CFR 64	Compliance Assurance Monitoring	No		This regulation defines compliance assurance monitoring. The facility does not use a control device to meet an emission standard or limitation for units with potential uncontrolled emissions greater than 100 tons per year of a regulated pollutant. This regulation does not apply.
40 CFR 68	Chemical Accident Prevention	No		The facility is not an affected facility because it does not have quantities of materials regulated by 40 CFR Part 68 that are in excess of the triggering threshold.
40 CFR 70	Title V- State Operating Permit Programs	No		Operating Permit Program – is not applicable – New Mexico State has full delegated authority and Title V is administered under 20.2.70 NMAC.
Title VI – 40 CFR 82	Protection of Stratospheric Ozone	Yes	Class I or Class II appliances	<p>This regulation establishes a regulation for protection of the stratospheric ozone. The regulation is applicable because the facility does “service”, “maintain” or “repair” class I or class II appliances and “disposes” of the appliances [40 CFR Part 82.1(a)].</p> <p>Note: Disposal definition in 82.152: Disposal means the process leading to and including: (1) The discharge, deposit, dumping or placing of any discarded appliance into or on any land or water; (2) The disassembly of any appliance for discharge, deposit, dumping or placing of its discarded component parts into or on any land or water; or (3) The disassembly of any appliance for reuse of its component parts. “Major maintenance, service, or repair means” any maintenance, service, or repair that involves the removal of any or all of the following appliance components: compressor, condenser, evaporator, or auxiliary heat exchange coil; or any maintenance, service, or repair that involves</p>

Federal Regulation	Title	Applies (Y/N)	Unit(s) or Facility	Comments
				uncovering an opening of more than four (4) square inches of "flow area" for more than 15 minutes.

13.0 Exempt and/or Insignificant Equipment that do not require monitoring:

NSR Exempt and Title V - INSIGNIFICANT ACTIVITIES (Dated March 24, 2005) as defined by 20.2.70.7.P NMAC: Appendix E of the application provided two lists of activities and sources to be considered exempt and/or insignificant. See list attached to this document.

14.0 New/Modified/Unique Conditions (Format: Condition#: Explanation):

- Monitoring-IC Engines and Grapgh_11Dec2019
- COOLING TOWER Monitoring PROTOCOL PM.1.0 – 26Feb2018
- Flare Monitoring Protocol -Regulatory 12July2017
- Flare Monitoring Protocol-Emissions-12Feb2018
- Monitoring-Fugitive_VOC-HAPS and Graph_29Sept2017
- Monitoring-Glycol Dehydrators Text-12February2018
- Monitoring-Heaters Boilers text-18Aug2017.1.0
- Monitoring-CLAUS SRU 12209
- Monitoring-Tanks loading 19Sep17
- Monitoring-Turbines 26May2017

- a) Revised conditions due to NSR 0298M11:
 - a. A102.C,
 - b. Table 102.A,
 - c. Table 104.A, added Unit BORR_BLST and BORR_MH.
 - d. Section A105.E was added for Cobre Haul Road Borrow Pit Operational parameters.
 - e. Table 106.A, added Unit BORR_BLST and BORR_MH.
 - f. A108.D, Cobre Haul Road Borrow Pit Material Handling (Unit BORR_MH).
 - g. A606.C, Cobre Haul Road Borrow Pit Blasting (Unit BORR_BLST)

15.0 For Title V action: Cross Reference Table between NSR Permit [0298-M10&M11](#) and TV Permit [P066R3M1](#). NSR permit conditions cross referenced to the TV permit are federally enforceable conditions, and therefore brought forward into the TV permit:

Changed by NSR*	NSR Condition #	TV Section #
	A100 Introduction	A100 Introduction
	A101 Permit Duration	A101 Permit Duration
	A102 Facility Description	A102 Facility Description
X	Table 102.A Total Potential Emissions	Table 102.A Total Potential Emissions
X	A103 Facility: Applicable Regulations	A103 Facility: Applicable Regulations
X	A104 Facility: Regulated Sources	A104 Facility: Regulated Sources
X	A105 Facility: Control Equipment	A105 Facility: Control Equipment

Changed by NSR*	NSR Condition #	TV Section #
	A105.B	
	A105.C	
X	A106 Facility: Allowable Emissions	A106 Facility: Allowable Emissions
X	A107 Facility: Allowable SSM	A107 Facility: Allowable SSM
		A107.C SSM
		A107.D Malfunction
	A108 Facility: Allowable Operation	A108 Facility: Allowable Operations
	A108.A Continuous Operation	
	A108.B Cobre Mine Throughput (Unit CBM MH)	
	A108.C Chino Mine Throughput: - Copper Ore Production Limits (Unit CM MH)	
New	A108.D Cobre Haul Road Borrow Pit Material Handling (Unit BORR_MH)	
	A109 Facility: Reporting Schedules NR for NSR	A109 Facility: Reporting Schedules
		A109.A TV Semi-Annual
		A109.B TV ACC
X	A110 Facility: Fuel and Fuel Sulfur Requirements	A110 Facility: Fuel and Fuel Sulfur Requirements
X	A111 Facility: 20.2.61 NMAC Opacity	A111 Facility: 20.2.61 NMAC Opacity
	A112 Facility: Haul Roads	A112 Facility: Haul Roads
	A113 Facility: 40 CFR 82, Subpart F	A113 Facility: 40 CFR 82, Subpart F
	A600 Mining Operations Introduction	A600 Mining Operations Introduction
	A601 Turbines and Heat Recovery Steam Generator (HRSG)	A601 Turbines and Heat Recovery Steam Generator (HRSG)
	A602 Engines	A602 Engines
X	A603 Screening Operations	A603 Screening Operations
	A604 Non-NSPS Affected Equipment	A604 Non-NSPS Affected Equipment
	A605 Ivanhoe Concentrator	A605 Ivanhoe Concentrator
	A606 Mine Blasting Operations	A606 Mine Blasting Operations
	A606.A Chino Mine Blasting (Unit CM BLST)	
	A606.B Cobre Mine Blasting (Unit CBM BLST)	
New	A606.C Cobre Haul Road Borrow Pit Blasting (Unit BORR_BLST)	
	A607 Gasoline Dispensing Facilities (GDF)	A607 Gasoline Dispensing Facilities (GDF)
	A608 Solvent Extraction – Electro-winning (SX/EW) Plant	A608 Solvent Extraction – Electro-winning (SX/EW) Plant
	A609 Fugitive Dust	A609.A Fugitive Dust Control Plan (FDCP)
	A609.B Filter/Blending Plant Production Limits (Unit FLTR/BLND)	A609.B Filter/Blending Plant Production Limits (Unit FLTR/BLND)
	A609.C Lime Slaking Operation	

Changed by NSR*	NSR Condition #	TV Section #
X	Part B General Conditions	Part B General Conditions, entire Section updated

16.0 Permit specialist’s notes to other NSR or Title V permitting staff concerning changes and updates to permit conditions.

- A. During final permit review, AQB management required the emergency generators to be removed from the NSR Permit 0298M9.
- B. **All Emergency Generators are NSR exempt and not listed or shown in the NSR permit but are subject to Title V since they have Federal applicable requirements.** Since NOx and CO are major pollutants for stack emission under Title V, emission limits for the emergency generators are established under Title V authority for any value greater than 1.0 pph or 1.0 tpy.
- C. **For NSR 0298M11:** No comments added as of 8/25/2022.

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
EMERGENCY ENGINES/GENERATORS						
GENERAC1	MIS Building	Generac	QT04524	60	20.2.72.202.B3	2009
			5578228	hp	N/A	2009
GENERAC2	SX-EW Tankhouse	Generac	QT03624	50	20.2.72.202.B3	2011
			6460608	hp	N/A	2011
GENERAC3	Dispatch Building	Generac	G0064380	15	20.2.72.202.B3	Dec-14
			9343857	hp	N/A	Dec-14
GENERAC4	Mine Pit Slope Monitoring Station - Slope 2	Generac	G0064383	15	20.2.72.202.B3	Jul-16
			3000668968	hp	N/A	Jul-16
GENERAC5	Santa Rita Tower	Generac	TBD	15	20.2.72.202.B3	Jan-14
			TBD	hp	N/A	Jan-14
GENERAC6	Nun Complex Communication Station	Generac	G007033	15	20.2.72.202.B3	TBD
			TBD	hp	N/A	TBD
GENERAC7						
Elliot Magnetek	Mine Warehouse	Elliot Magnetek	MPSG12	16	20.2.72.202.B3	TBD
			90871	hp	N/A	TBD
Sxlpwrprm8	20 Dam Hanover	CAT/3126B	CAT/3126B	275	20.2.72.202.B3	2005
			BEJ38448	hp	N/A	2005
Sxlpwrprm5	11 Dam Hanover	CAT/3126B/IND	CAT/3126B/IND	225	20.2.72.202.B3	2010
			BEJ10891	hp	N/A	2010
Sxlgdwn1	10 Dam Hanover	CAT/3126	CAT/3126	309	20.2.72.202.B3	2005
			BEJ09668	hp	N/A	2005
Sxlpwrprm4	14 Dam Hanover	CAT/3126B	CAT/3126B	225	20.2.72.202.B3	2005
			BEJ10895	hp	N/A	2005
Sxlpwrprm2	Sump #3	CAT/3126	CAT/3126	309	20.2.72.202.B3	2005
			BEJ09674	hp	N/A	2005
Cummins Generator/1823	South Side Tailing office	Cummins 4BT-3.9	Cummins 4BT-3.9	32	20.2.72.202.B3	1984
			Unknown	hp	N/A	1984

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
Mase 1	Slope 1	Mase	PD 50 YS	4.5	20.2.72.202.B3	2010
			G101753	hp	N/A	2010
CB EGEN2	Cobre Mine Generator Set #2 Diesel Engine	Caterpillar	D399 PCTA	1300	20.2.72.202.B3	1979
			36Z01236	hp	N/A	1979
CB EGEN3	Cobre Mine Generator Set #3 Diesel Engine	Caterpillar	D399 PCTA	1300	20.2.72.202.B3	1979
			36Z01234	hp	N/A	1979
DEUTZ	Sump Pump	DEUTZ	F6L914	114	20.2.72.202.B3	TBD
			CE84/1	hp	N/A	TBD
EE5	SXEW Fire Emergency Pump	Detroit Diesel	Detroit Diesel	195	20.2.72.202.B3/ A4	Feb-88
			08GR109034	hp	N/A	Jan-96
FWP01	Concentrator Fire Emergency Pump	Detroit Diesel	10447312	185	20.2.72.202.B3	Aug-81
			4A0252067	hp	N/A	Aug-81
RT-1	West Stockpile Radio Tower	N/A	N/A	238	20.2.72.202.B5	N/A
			Unknown	ft ²	N/A	N/A
RT-2	Cobre Radio Tower	Caterpillar	DG50-2	67	20.2.72.202.B5	N/A
			Unknown	hp	N/A	N/A
LABORATORY EQUIPMENT						
Lab 001	Laboratory Flotation test kits	N/A	N/A	-	20.2.72.202.A2	N/A
			Unknown	-	Insignificant Activity #5	N/A
Lab 002	Laboratory Test sample dryer	N/A	N/A	8 samples /hr	20.2.72.202.A2	N/A
			Unknown	ppd	Insignificant Activity #5	N/A
Lab 003	Laboratory Test sample dryer	N/A	N/A	8 samples /hr	20.2.72.202.A2	N/A
			Unknown	ppd	Insignificant Activity #5	N/A
Lab 004	Laboratory Test sample dryer	N/A	N/A	8 samples /hr	20.2.72.202.A2	N/A
			Unknown	ppd	Insignificant Activity #5	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
Lab 008	Laboratory Dryer concentrate pulverizer/manual grind	N/A	N/A	50	20.2.72.202.B5	N/A
			Unknown	ppd	Insignificant Activity #1a	N/A
Lab 009	Jaw Crusher/Cone Crusher	N/A	N/A	240	20.2.72.202.B5	N/A
			Unknown	ppd	Insignificant Activity #1a	N/A
Lab 010	Laboratory Dry concentrate manual grind (2 hoods)	N/A	N/A	120	20.2.72.202.B5	N/A
			Unknown	ppd	Insignificant Activity #1a	N/A
Lab 011	Laboratory Moly Grind	N/A	N/A	50	20.2.72.202.B5	N/A
			Unknown	ppd	Insignificant Activity #1a	N/A
Lab 012	Laboratory Sample splitter	N/A	N/A	240	20.2.72.202.B5	N/A
			Unknown	ppd	Insignificant Activity #1a	N/A
MISCELLANEOUS EQUIPMENT						
ABE-001	Clemco Abrasive Industries, BNP 210-600P&DF 3 PH	N/A	N/A	270	20.2.72.202.B7	N/A
			47425	pph	Insignificant Activity #2	N/A
ABE-002	Empire Abrasive, EF- 2248	N/A	N/A	270	20.2.72.202.B7	N/A
			C-24355	pph	Insignificant Activity #2	N/A
ABE-003	Titan Abrasive, 4040 SDC	N/A	N/A	270	20.2.72.202.B5	N/A
			4942 89	pph	Insignificant Activity #1a	N/A
ANP	Ammonium Nitrate Pill Delivery	N/A	N/A	300,000	20.2.72.202.B5	N/A
			Unknown	ppd	Insignificant Activity #1a	N/A
Sioux-H	Sioux Corporation heater 360-H (Pressure washer)	N/A	N/A	0.36	20.2.72.202.B5	N/A
			29087	MMBtu/hr	Insignificant Activity #1a	N/A
Raff Pond	SX Raffinate Pond	N/A	N/A	67	20.2.72.202.B5	N/A
			N/A	hp	N/A	N/A
ERP-001	Electrolyte Recovery Pump	Caterpillar	DG50-2	29,098	20.2.72.202.B5	N/A
			Unknown	ft ²	N/A	N/A
FUEL STORAGE TANKS						
001	Used Oil	N/A	N/A	10500	20.2.72.202.B2	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
006	Gasoline	N/A	N/A	2000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
007	Red-dyed diesel	N/A	N/A	10000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
008	ISO- 150 NL Gear	N/A	N/A	1300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
009	ISO- 150 NL Gear	N/A	N/A	1300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
012	Hydraulic Oil 32	N/A	N/A	1500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
013	Used Oil	N/A	N/A	6250	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
014	Power-D Engine Oil SAE 15W- 40	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
015	Powerdrive Fluid SAE 60	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
016	Powerdrive Fluid SAE 10W	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
017	Powerdrive 10W	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
018	Powerdrive Fluid SAE 30	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
019	Super All Season Oil SAE SW-30	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
020	ATF	N/A	N/A	1500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
021	Powerdrive Oil	N/A	N/A	15600	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
022	Powerdrive Oil	N/A	N/A	10000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
023	Used Oil (Ploy Tank)	N/A	N/A	4100	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
024	Used Oil	N/A	N/A	1550	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
025	Used Oil for Blasting	N/A	N/A	3500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
026	Used Oil for Blasting	N/A	N/A	3500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
027	Powerdrive Fluid SAE 60	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
028	Powerdrive Fluid SAE 10W	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
029	Powerdrive Fluid SAE 30	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
030	M5 Grease No. 2	N/A	N/A	850	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
031	15W-40 Oil	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
032	15W-40 Oil	N/A	N/A	1000	20.2.72.202.B2	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
033	SAE 30	N/A	N/A	11650	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
034	SAE 15W-40 Oil	N/A	N/A	10100	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
037	Diesel	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
038	Gear Lube 85W-140	N/A	N/A	650	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
039-A	Diesel	N/A	N/A	6110	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
040-A	Diesel	N/A	N/A	8209	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
042	Red-dyed Diesel	N/A	N/A	300788	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
043	Red-dyed Diesel	N/A	N/A	300788	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
046	Red-dyed Diesel	N/A	N/A	50750	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
047	Used Oil	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
048-A	Diesel	N/A	N/A	5264	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
049	Diesel	N/A	N/A	10869	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
049-A	Diesel	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
049-B	Diesel	N/A	N/A	10000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
050-A	Diesel	N/A	N/A	6000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
051-A	On-Road Diesel	N/A	N/A	20000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
052	Used Oil	N/A	N/A	750	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
053-A	Gasoline	N/A	N/A	4000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
054	Diesel	N/A	N/A	50500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
055	SAE 10W	N/A	N/A	8650	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
056	Used Oil	N/A	N/A	1450	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
057	Diesel	N/A	N/A	550	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
063	Diesel	N/A	N/A	265	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
065	Used Oil	N/A	N/A	1150	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
067	Diesel	N/A	N/A	3000	20.2.72.202.B2	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
069	Used Oil	N/A	N/A	1300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
071	Used Oil	N/A	N/A	5000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
072	Turbine Oil	N/A	N/A	800	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
077	Diesel	N/A	N/A	3950	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
081	Transformer Oil	N/A	N/A	1300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
084	Gear lube	N/A	N/A	500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
086	Used Oil	N/A	N/A	400	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
101	Unleaded and Diesel	N/A	N/A	8000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
102	Diesel	N/A	N/A	20000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
103	Oily Water	N/A	N/A	2200	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
104	DEF	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
105	Oil	N/A	N/A	500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
106	Magaplex-Grease	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
109	Diesel	N/A	N/A	150	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
117	Diesel	N/A	N/A	265	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
119	Diesel	N/A	N/A	12000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
120-A	Used Oil & Lubricants	N/A	N/A	2300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
121-A	Diesel	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
122	Diesel	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
124-Wagner	Diesel	N/A	N/A	1500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
125	Diesel	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
126	Gasoline	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AA	New and Used Oils, Diesel	N/A	N/A	220	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AB	New and Used Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AC		N/A	N/A	100	20.2.72.202.B2	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
	New and Used Oils and Greases		N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AD	Lubricants	N/A	N/A	220	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AE	Used Oil	N/A	N/A	250	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AF	New and Used Oils and Greases	N/A	N/A	275	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AG	Transformer Oil	N/A	N/A	1500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AH	Transformer Oil	N/A	N/A	1500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AI	Transformer Oil	N/A	N/A	1200	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AJ	New and Used oil products	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
AM	Transformer Oil	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
A	Used Oils (Oil Pad)	N/A	N/A	200	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
C	Diesel, Oil	N/A	N/A	200	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
D	New and Used Oils and Greases	N/A	N/A	500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
D2	Lubricants	N/A	N/A	220	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
E	Product: Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
F	Various oils and greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
G	Used Oils & Gear Lube	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
H	New and Used Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
I	New and Used Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
K	Oil	N/A	N/A	550	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
L	New and Used Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M	New and Used Oils and Greases	N/A	N/A	275	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
N	New and Used Oils and Greases	N/A	N/A	180	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
O	New and Used Oils and Greases	N/A	N/A	180	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
P	New and Used Oils and Greases	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
Q	New and Used Oils and Greases	N/A	N/A	110	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
R	Oils and Greases	N/A	N/A	800	20.2.72.202.B2	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
TS	Oil and Diesel	N/A	N/A	250	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
U	New and Used Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
V	New and Used Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
V2	Diesel	N/A	N/A	495	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
V3	Diesel (SX mobile pumps)	N/A	N/A	275	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
W1	Diesel	N/A	N/A	0	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
X	New and Used Oils and Greases	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
Y	New and Used Oils and Greases	N/A	N/A	550	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
ZA	Diesel	N/A	N/A	500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
ZB	Diesel (Mill mobile pumps)	N/A	N/A	55	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
OF-001	Diesel	N/A	N/A	10500	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
OF-002	Unleaded	N/A	N/A	1000	20.2.72.202.B5	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A

13 Exempt and/or Insignificant Equipment that do not require monitoring:

Unit Number	Source Description	Manufacturer	Model No.	Max Capacity	List Specific 20.2.72.202 NMAC Exemption (e.g. 20.2.72.202.B.5)	Date of Manufacture /Reconstruction ²
			Serial No.	Capacity Units	Insignificant Activity citation (e.g. IA List Item #1.a)	Date of Installation /Construction ²
OF-003	Diesel	N/A	N/A	550	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M2-001	Lube Oil	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M2-002	Lube Oil	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M2-003	Lube Oil	N/A	N/A	300	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M2-004	Lube Oil	N/A	N/A	360	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M2-005	Diesel	N/A	N/A	10000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M2-006	Used Oil	N/A	N/A	1000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
M2-007	Lube Oil	N/A	N/A	605	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
Tank 123	Cobre Diesel Tank	N/A	N/A	2000	20.2.72.202.B2	N/A
			N/A	Gallons	Insignificant Activity #5 & #8/ SDS	N/A
NON ROAD ENGINES³						
NR 1	Compressors	N/A	N/A	Variable	40 CFR 89	Variable
			N/A	hp	Insignificant Activity #1a and #6	Variable
NR 2	Pumps	N/A	N/A	Variable	40 CFR 89	Variable
			N/A	hp	Insignificant Activity #1a and #6	Variable
NR 3	Maintenance Equipment (Small Generators and Engines)	N/A	N/A	Variable	40 CFR 89	Variable
			N/A	hp	Insignificant Activity #1a and #6	Variable