AMAX Lead (Doe Run) Company

ORDER

This matter coming before the Commission on the Stipulation of the parties and after public hearing, the Commission having jurisdiction over the subject matter and the parties, and being fully advised in the premises;

IT IS ORDERED that AMAX undertake and complete, at its Boss, Missouri facility, the following emission control projects, on the schedule set forth:

Project	Milestone dates or number of months after Lead SIP approval By the U.S. EPA
1. New Sinter Stacked Crusher Building	
Reconstruct sinter material handing system to enclose, ventilate, and capture emissions. This reconstruction shall eliminate two (2) vibrating feeders, four (4) conveyors, 420 linear feet of transfer belts, eight (8) transfer points and four (4) wet scrubbers. Captured emissions shall be filtered by a 30,000 CFM baghouse with a rated efficiency of 99%.	Procurement - Completion by Sept. 31, 1980. Construction - Completion by July 1, 1981.
2. Plant Conveyor Upgrade and/or Modification	Begin construction by Sept. 1, 1981 in sinter preparation and sinter plant areas.
Belt skirting and installation of impact idlers will be added to any belts at the sinter plant which do not, at present, have such devices.	Construction - Completion of construction in sinter preparation and sinter plant areas within 33 months of approval by U.S. EPA. Begin construction in blast furnace area by March 1, 1982. Construction - Completion of construction in blast furnace area within 40 months of approval by U.S. EPA.
3. Plant Area Paving	
Formed concrete (12" thickness) is being installed adjacent to work areas to facilitate area wetting by water	

Project	Milestone dates or number of months after Lead SIP approval By the U.S. EPA
spray trucks, mobile vacuum sweeping and washdown by plant personnel. The established concrete paving program is as follows:	
a. 110,000 square feet of plant area north of the acid plant and around the baghouse.	Completion by December 31, 1980.
b. 100,000 square feet of plant area south of the acid plant and east of the trestle.	Completion by December 31, 1981.
c. 300,000 square feet of plant area.	Completion within 48 months of approval by the U.S. EPA.
4. Vacuum Sweeping	
Purchase and operation of water spray trucks and mobile vacuum sweepers as necessary to wash and/or vacuum all paved areas once per day subject to meteorological conditions which make surface maintenance impossible or unnecessary.	Completion within 24 months after approval of SIP by U.S. EPA.
5. Feed Material Storage Building	
Construction and use of a 16,000 square feet building consisting of eight covered bins capable of storing a total of 10,000 tons of lead bearing material in the concentrate charging area, in order to provide covered storage for feed materials which are presently stored outside.	Construction - Completion by December 1, 1980.
6. Blast Furnace Dust/Fume Collection	
a. Install an additional (spare) hygiene exhaust fan for furnace tapping and settler ventilation. This fan shall be the same size as the original hygiene exhaust fan which is rated at 150 horsepower. The spare fan shall be operated as a backup when the original fan is not in use.	

Project	Milestone dates or number of months after Lead SIP approval By the U.S. EPA
b. Recondition the offtake thimble at the south blast furnace.	
c. Institute the practice of allowing pots of lead bullion to cool at least 30 minutes before the molten bullion is poured into the dross kettles.	
d. Install improved rotary discharge valves at the main baghouse dust hoppers. The valves shall have air pressurized packing glands to ensure positive pressure against the seals.	
e. Install and operate a water spray system at the cooling chamber ahead of the main baghouse. The spray system shall be operated when gas temperatures to the baghouse reach 240°F or greater.	Complete construction and place in operation by October 1, 1984.

It is acknowledged and agreed that the schedule set forth above shall not apply in the event AMAX is prevented from completing these emission control projects during the time periods as stated as the result of strikes, Acts of God, and other circumstances beyond its control, and the completion dates will be extended for periods of time corresponding to the time said circumstances are in effect.

EPA Rulemakings

CFR: 40 C.F.R. 52.1320(c)(49)
FRM: 50 FR 768 (1/7/85)
PRM: None
State Submission: 10/5/84
State Proposal: 7/31/84
State Final: 9/27/84
APDB File: MO-47
Description: The EPA approved a revision to the order which specified alternate control measures for Item No. 6 pertaining to collection and control of fugitive lead emissions in the blast furnace feed area.

CFR: 40 C.F.R. 52.1320(c)(26)
FRM: 46 FR 23412 (4/27/81) and 40 FR 26769 (5/15/81) (correction)
PRM: 45 FR 85481 (12/29/80)
State Submission: 9/2/80
State Proposal: 7/11/80
State Final: 8/13/80
APDB File: MO-16
Description: The EPA approved this order requiring controls on lead emissions as part of the approval of the lead SIP.

Difference Between the State and EPA-Approved Regulation

None.