St. Joe 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 St. Joe Lead Company undertake and complete, at its Herculaneum, Missouri facility, the following emission control projects, on the schedule set forth:

Project	Completion Date or Number of months after date the SIP for Lead is approved by EPA
1. Sinter Plant Ventilation Scrubbers numbers 9 through 13 (5 additional scrubbers-Ducon Dynamic Gas Scrubbers, Type VW-4, Model 2.)	March 31, 1981 - All materials delivered April 1, 1982 - Installation complete and equipment placed in normal operation
2. All conveyors and transfer points numbered CV-33, CV-35, CV-24, CV-23, CV-36, and CV-37 as listed in Item 1 shall be covered if they are not presently covered.	Sept. 1, 1981 - Construction Completed

Scrubber Number	Volume ACFM	Equipment Ventilated
9	6040	CV-33, CV-33 to CV-35 transfer point.
10	3000	CV-24
11	6500	Cage Paktor, CV-23, Part CV-37 to CV-23, transfer point.
12	11100	CV-36, CV-36 to sinter bin return storage transfer point, sinter bin return storage.
13	11240	Part CV-23 & CV-37 & CV-23 transfer point, sinter bin returns storage to CV-37 transfer point, CV-23 part.

	Project	Completion Date or Number of months after date the SIP for Lead is approved by EPA
3.	Redesign, purchase and installation of hooding, ducting, and associated exhaust equipment for ventilation of decopperizing kettles in the dross plant. Ducted gases from this equipment will be routed to existing dust collectors.	12 months - Engineering complete 24 months - Material delivery 36 months - Installation complete 42 months - Complete and placed in normal operation
4.	Purchase, install, and maintain a video camera, two monitors and time lapse video recorder. The camera shall be installed to view the excess emissions from the three blast furnaces 24 hours per day, 7 days per week. A monitor displaying the emissions shall be placed in the blast furnace foreman's office and the weather room in the main office. A time-lapse recorder shall be programmed to record images on tape. The monitors and tape shall be used by St. Joe to reduce visible excess emissions from the three blast furnaces.	April 1, 1984 - Installation complete
5.	Installation of new slag granulation water cooling tower, with associated piping, pumps, valves, etc., to reduce steamborne lead emissions. Unit is to be Marley Model 350-102, Series 9, Severe Duty, 3000 GPM capacity.	April 30, 1982 - Installation completed and placed in normal operation.
6.	New design and installation of hooding and enclosures at the blast furnace charge make-up and weighing floor. Ventilation (approximately 25,000 CFM) from the installation, via new fans, to two new, separate entrances to the #5 baghouse trail system.	Sept. 31, 1981 - Construction completed and placed in normal operation
7.	Transmissometer, and alarm system for the #2 and #3 baghouse outlet trail system to alarm and to alert baghouse personnel of baghouse upset conditions, thereby ensuring timely corrective action.	April 30, 1981 - Select and order first unit. Sept. 31, 1981 - Install first unit. April 30, 1982 - Install second unit.

	Project	Completion Date or Number of months after date the SIP for Lead is approved by EPA
8.	Concrete paving of 133,000 sq. ft. of smelter yard area.	Sept. 30, 1981 - Completed.
9.	Purchase and placed in normal operation Ecolotec Vacu-Sweep, Series 400, Model IHC-C1710B.	April 30, 1981 - Completely operational.
10.	Paving of approximately 285,000 sq. ft. of smelter parking lot area with asphalt.	Sept. 30, 1981 - 200,000 sq. ft. completed. April 1, 1982 - Balance complete

It is acknowledged and agreed that the schedule set forth above shall not apply in the event St. Joe 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)(43)

FRM: 49 FR 24022 (6/11/84)

PRM: None

State Submission: 3/26/84

State Proposal: 2/16/84

State Final: 3/21/84

PLDE File: MO-46

Description: EPA approved a revision to the order to allow substitution of a video camera system for a transmissometer system for monitoring lead emissions (Item No. 4).

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

PLDE File: MO-16

Description: 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.