

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
SOUTHWEST REGION - FIELD OPERATIONS
AIR QUALITY CONTROL
400 WATERFRONT DRIVE
PITTSBURGH, PENNSYLVANIA 15222-4745

RACT OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the Rules and Regulations of the Department of Environmental Resources, the Department hereby issues this permit for the operation of the air contamination source described below.

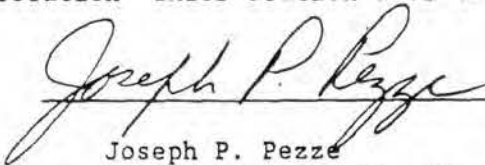
Permit No.:04-000-044	Source: Zinc Plant & 2 P.C. Boilers
Owner: Zinc Corporation of America	Air: ESP's
Address: 300 Frankfort Road	Cleaning:Baghouses
Monaca, PA 15061	Devices:
Attention: Jim Reese	Plant: Monaca Plant
Director, Environmental Affairs	Location:Potter Township
	County: Beaver

This permit is subject to the following conditions:

- (1) That the source and any associated air cleaning devices are to be:
 - (a) operated in such a manner as not to cause air pollution;
 - (b) operated and maintained in a manner consistent with good operating and management practices.
- (2) This permit valid only for the specific equipment, location and owner named above.
- (3) See attached.

Failure to comply with the conditions placed on this permit is a violation of Section 127.25. Violation of this or any other provision of Article III of the Rules and Regulations of the Department of Environmental Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: 12/29/94



Joseph P. Pezze
Regional Air Quality Manager
Southwest Region

Permit Term: 12/29/94 - ~~12/29/99~~

3. This RACT Approval is for the combustion modifications to incorporate bias-firing technology and automated air controllers to two Combustion Engineering boilers at ZCA's George F. Weaton Power Station at Monaca, Beaver Co.
4. The facility is to be operated in accordance with the RACT plan submitted as approved herein.
5. NOx emissions for Boilers # 1 and 2 shall not individually exceed 0.45 lbs/MM BTU's, based on a 30 day rolling average.
6. NOx emissions for Boilers # 1 and 2 shall not exceed 1754 tons/yr combined total, based on a 12 month rolling average basis.
7. Continuous emission monitors for nitrogen oxides on Boilers #1 and 2, shall be installed, certified, operated and maintained in accordance with 25 Pa Code Chapter 139 and with the Department's "Continuous Source Monitoring Manual".
8. The Department may establish final NOx and CO emission limits based on a minimum of six (6) months of CEM data.
9. Stack testing shall be conducted for CO, VOC's and PM-10 in accordance with 25 Pa Code Chapter 139 and the Department's Source Testing Manual.
10. The Department may establish final VOC emission limits based on stack testing results.
11. Stack testing shall be conducted for NOx and VOC's from the sinter line in accordance with 25 PA Code Ch. 139 and the Department's Source Testing Manual. An instrumental method for determining VOC emissions approved by the Department may be used in lieu of stack testing to more accurately reflect average emissions over a longer period of time.
12. A pre-test protocol shall be submitted to the Department for review at least 60 days prior to the performance of the stack test.
13. The Department shall be notified at least two (2) weeks prior to the stack test of the date and time of the test so that an observer may be present.
14. A copy of the stack test results shall be supplied to the Department for review within 60 days of completion of the testing.

15. ZCA shall maintain records in accordance with the recordkeeping requirements of 25 Pa Code Ch. 129.95.

(a) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa Code Ch. 129.91-94 are met and to verify compliance with conditions # 5 and 6.

(b) Records shall be retained for at least 2 years and shall be made available to the Department on request.

(c) All CEM reports shall be submitted to the Department within thirty (30) days after each quarter, but no later than established in the Department's latest Continuous Source Monitoring Manual.

16. ZCA shall maintain and operate all other miscellaneous sources subject to 25 Pa Code Ch.129.93 (c)(1) within manufacturers specifications.

17. ZCA shall perform an annual adjustment or tune-up as required by 25 Pa Code Ch.129.93(2) and the recordkeeping requirements of Ch. 129.93(3) on the natural gas auxiliary boiler.

18. This RACT approval applies to the emissions of NOx and VOC pollutants only. Emissions of other pollutants, including criteria pollutants, shall be governed by existing Plan Approvals, Operating Permits and the applicable requirements of the Rules and Regulations of the Department. Such approval, permits and requirements are incorporated herein by reference and made part of this permit.

