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COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

EPA

Revised

(RACT)  
OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, the 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 Protection, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No.	<u>54-0022</u>	Source &	<u>See Condition No. 3</u>
Owner	<u>Alcoa Extrusions, Inc. (a.k.a. Alumax Extrusions)</u>	Air	<u></u>
Address	<u>53 Pottsville Street</u>	Cleaning	<u></u>
	<u>Cressona, PA 17929-0187</u>	Device	<u></u>
Attention:	<u>Mr. Eric M. Brzostek</u>	Location	<u>Cressona Borough</u>
	<u>Environmental Engineering Manager</u>		<u>Schuylkill County</u>

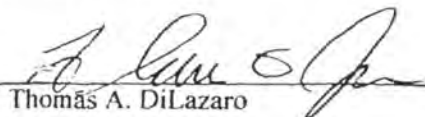
This permit is subject to the following conditions:

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. in compliance with the specifications and conditions of the plan approval issued under the same number;
  - C. operated and maintained in a manner consistent with good operating and maintenance practices.
2. This permit is valid only for the specific equipment, location and owner named above.

(SEE ATTACHED)

Failure to comply with the conditions placed on this permit is in violation of Section 127.444. Violation of this or any other provisions of Article III of the rules and regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued APR 19 1999

  
Thomas A. DiLazaro  
Program Manager  
Air Quality Program

This permit is subject to the following conditions:

- 3) This Operating Permit includes Reasonable Available Control Technology (RACT) determinations for Nitrogen Oxide (NOx) and Volatile Organic Compounds (VOCs) as required by Title I of the CAAA, and 25 Pa. Code Section 129.91 through 129.95 for the following sources:

**Source**

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No. 1 Package Boiler  
No. 2 Package Boiler  
Holding Furnace No.1  
Holding Furnace No.2  
Holding Furnace No.3  
Melting Furnace No.4  
Melting Furnace No.5  
Melting Furnace No.6  
Melting Furnace No.7  
Holding Furnace Nos. 8, 9  
Preheat Furnace Nos. 1, 2, 5  
Casting Unit Nos. 1, 3, 4, 5  
Press Billet Furnaces  
2, 3, 5, 6, 9, 10, 12, 14, 15, 16, 17  
Age Ovens 3 through 14, 18, 19  
Propane Vaporizer  
200 HP Package Boiler

- 4) The following sources are regulated under Title 25, Section 129.93 (b)(2). To comply with the Presumptive RACT requirements the permittee shall conduct an annual adjustment or tune-up on the combustion processes.

Source	Heat Input (MMBtu/hr)	Description or Process Rate	Potential NOx Emissions (TPY)	Actual NOx Emissions (TPY)
No. 1. Package Boiler	33.5	Natural Gas-Fired Boiler	8.6	1.29
No. 2. Package Boiler	33.5	Natural Gas-Fired Boiler	8.6	1.29
Melting Furnace No. 4	24	31,000 lbs/hr Aluminum Melted	6.09	1.94
Melting Furnace No. 6	24	36,000 lbs/hr Aluminum Melted	22.57	14.09
Melting Furnace No. 7	24	34,400 lbs/hr Aluminum Melted	22.57	10.77
Melting Furnace No. 8	34	36,667 lbs/hr Aluminum Melted	75.21	18.5
Melting Furnace No. 9	34	36,667 lbs/hr Aluminum Melted	75.21	15.47
Preheat Furnace No. 1	23	Homogenizing Furnace	9.4	2.82
Preheat Furnace No. 2	23	Homogenizing Furnace	9.4	3.29
Preheat Furnace No. 5	30	Homogenizing Furnace	10.1	1.13

- 5) The following sources are regulated under Title 25, Section 129.93 (c). To comply with the Presumptive RACT requirements the permittee shall install, maintain, and operate the source in accordance with manufacturers specification.

Source	Potential NOx Emissions (TPY)	Actual NOx Emissions (TPY)
Holding Furnaces	34.2	4.8
Nos. 1,2,3,8,9	(combined)	(combined)
Casting Units	2.29	1.6
Nos. 1,3,4,5,	(combined)	(combined)
Press Billet Furnaces	18.6	9.7
Nos. 2,3,5,6,9,10,12,14,15,16,17	(combined)	(combined)
Age Ovens Nos. 4, 5, 6,	3.5	3.3
7,8,9,10,11,12,13,14,18,19	(combined)	(combined)
Age Oven No. 3	7.2	
Propane Vaporizer	3.5	1.8
200 HP Package Boiler	3.6	2.1
Melting Furnace No. 5	4.06	3.21

- 7) Recordkeeping and reporting requirements are as follows:
- (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit in accordance with 25 PA Code Section 129.95, such that the records provide sufficient data and calculations to clearly demonstrate that the requirements of PA Code Sections 129.91-4 are met. The file shall include, but not be limited to records of the fuel usage for the combustion units (updated monthly/12 month rolling sum); calculations of the entire facilities NOx emissions (updated monthly/12 month rolling sum); all air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this Operating Permit. All measurements, records and other data required to be maintained by the company shall be retained for at least five years following the date on which such measurements, records or data are recorded. These records shall be made available to the Department upon request.