



## **PERMIT CONDITIONS**

**PERMIT NO.: OP-41-0007**

**COMPANY: Coastal Aluminum Rolling Mills, Inc.**

3. This operating permit incorporates Reasonably Available Control Technology (RACT) determinations as required by the provisions of Title I of the Clean Air Act Amendments and 25 Pa. Code Sections 129.91 through 129.95 for the following air contamination sources:
- a. a coating solutions mixing area and associated cleanup operations (identified as "Mixing Building" operations and further described in the application submitted for a RACT operating permit by Chromagraphic Processing Co. on September 3, 1995).
  - b. a coating solutions storage area, coating transfer operations, associated cleanup operations and coil coating line cleanup operations (identified as "Main Plant" preparation and cleanup operations and further described in the application submitted for a RACT operating permit by Chromagraphic Processing Co. on September 3, 1995).
  - c. 21 natural gas-fired space and process heaters, all with heat inputs of less than 10,000,000 Btu per hour
  - d. one 60 inch wide, four high Lowey-Davis aluminum cold rolling mill, designated Mill #1, the air contaminant emissions from which are controlled by an impingement vane separator
  - e. one 60 inch wide, four high Pittsburgh aluminum cold rolling mill, designated Mill #2, the air contaminant emissions from which are controlled by an impingement vane separator
  - f. two electrically-heated aluminum coil annealing ovens
  - g. a cold-cleaning degreaser (covered, 2 foot x 3 foot opening)
  - h. five mill lubricant tanks and four oil tanks (as listed in Coastal's 1/5/96 RACT proposal addendum letter)
  - i. a vegetable oil/animal fat application operation
  - j. quality control laboratory operations

This operating permit supersedes the operating permit bearing the same number which was issued on March 20, 1996.

4. The expiration date shown in this permit is for state purposes. For federal enforcement purposes the conditions of this operating permit which pertain to the implementation of RACT regulations shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51 and approved by the U.S. Environmental Protection Agency (EPA).
5. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, the volatile organic compound emissions from Mills #1 and #2 shall not exceed the limitations contained in condition 19 herein.

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6. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, all materials used in Mills #1 and #2 shall comply with the specifications contained in condition 20 herein.
7. Pursuant to the RACT provisions of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, Mills #1 and #2 shall be operated in accordance with the operating practice requirements contained in conditions 21 and 22 herein.
8. The potential to emit volatile organic compounds from each of the source categories identified in conditions 3a, 3b, 3c, 3g, 3h, 3i and 3j herein shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period (as determined by the Department). Should any of these limitations ever be exceeded for any of the respective source categories, a detailed RACT analysis which meets the criteria specified in Section 129.92 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection must be submitted to the Department for each source contained in the respective source category.
9. Neither of the 2 annealing ovens identified in condition 3 herein shall individually emit volatile organic compounds at a rate greater than 1 ton in any 12 consecutive month period ~~unless prior plan approval to do so has been obtained from the Department~~.
10. Pursuant to the recordkeeping requirements of 25 Pa. Code 129.95, the company shall keep accurate, comprehensive records of the following:
  - a. the number of hours per month each mill identified in condition 3d and 3e herein is operated
  - b. the amount of Exxon 698 Normal Paraffin coolant/lubricant purchased per month
  - c. the amount of Isopar G and the amount of Isopar L purchased per month
  - d. the amount(s) and type(s) of all coolant/lubricants and other volatile organic compound-containing materials used per month in the mills identified in condition 3d and 3e herein other than Exxon 698 Normal Paraffin coolant/lubricant, Isopar G and Isopar L
  - e. the amount of product processed per month through each annealing oven identified in condition 3f herein
  - f. the amount(s) and type(s) of all volatile organic compound-containing materials used per month in the cold cleaning degreaser identified in condition 3g herein
  - g. the combined volume of coating solutions mixed per month
  - h. the amount per month of cleanup solvents used and the amount of spent solvents shipped offsite as liquid hazardous waste associated with the operations identified in condition 3a herein
  - i. the amount per month of cleanup solvents used and the amount of spent solvents shipped offsite as liquid hazardous waste associated with the operations identified in 3b herein

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- j. the combined volume of natural gas used per month in all combustion sources identified in condition 3c herein

These records shall be maintained on a monthly basis. All records shall be retained onsite for at least two years and shall be submitted to the Department and/or shown to Department personnel upon request.

11. By no later than 4.5 years after the issuance of this operating permit, volatile organic compound testing shall be performed on the exhausts of Mill #1 and Mill #2 (identified in conditions 3d and 3e herein) using test methods and procedures deemed acceptable by the Department. This testing shall be performed under conditions of the maximum gauge reduction and speed at which these mills are typically operated.
12. At least 60 days prior to the scheduled date of the testing required by condition 11 herein, two copies of a pretest plan shall be submitted to the Department. This pretest plan shall describe the test methods and procedures proposed for use as well as the mill operating data to be recorded during testing and shall be accompanied by a dimensioned drawing showing the mill exhaust configurations and proposed sampling locations.
13. At least 10 days prior to the actual performance of the testing required by condition 11 herein, the company shall notify the Department of the actual date(s) on which testing is to occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without such prior notice being given.
14. Within 60 days following the completion of the testing required by condition 11 herein, 2 copies of a test report shall be submitted to the Department. This test report shall contain a description of the test methods and procedures actually used for testing, the results of the testing, copies of all raw data and all calculations performed, and copies of all mill operating data recorded during testing.
15. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, rags used during the hand cleaning of coating line equipment with organic solvents shall be stored in closed containers prior to reuse or disposal. They shall not be subjected to air drying or any other treatment process intended to intentionally promote the evaporative loss of organic solvent. Additionally, containers of all volatile organic compound-containing materials shall remain closed when not in actual use.

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*Conditions 16 through 24 pertain to Mill #1 and Mill #2 which previously operated pursuant to Operating Permit #41-308-001A.*

16. If at any time the permittee causes, permits or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations of the Department of Environmental Protection) of the aforementioned air contamination source(s), the operation and use of which is authorized by this permit, or causes, permits or allows any modifications, malfunction or removal of any air pollution control device required as a condition of this permit, then and in that event, this permit shall be suspended, and the permittee shall not thereafter continue to operate or use said air contamination source(s).
17. The aforementioned source(s) may be operated and used only so long as any associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.
18. This operating permit is issued for the operation of two 60 inch wide 4 high aluminum cold rolling mills, the air contaminant emissions from each of which are controlled by a separate impingement vane separator.
19. Pursuant to the best available technology requirements of Chapter 127 of Article III of the Rules and Regulations of the Department of Environmental Protection, the volatile organic compound emissions from Mills #1 and #2 shall not at any time exceed a rate of 30.5 pounds per hour each. Additionally, the total combined emissions from the two mills shall not exceed 225 tons in any 12 consecutive month period (as determined by the Department).
20. The coolant/lubricant used in Mill #1 and Mill #2 (identified in conditions 3d and 3e herein) shall be limited to Exxon 698 Normal Paraffin (blend of 75% Norpar 13 and 25% Norpar 15) ~~or such other product(s) as may be determined to be equivalent by the Department.~~ The only exception to this will be the use of Isopar G or Isopar L in plannish operations only. Additive materials may be used as needed with the 698 normal paraffin to the extent that the evaporative potential of the coolant/lubricant blend (as measured by its vapor pressure) is not increased by their addition.
21. The coolant/lubricant application rate at each mill shall be maintained at the lowest rate possible without adversely affecting product quality.
22. The bulk coolant/lubricant temperature at each mill shall not exceed 110°F.
23. Each mill shall be equipped with instrumentation which accurately monitors the coolant/lubricant flow rate to the mill and the mill speed.

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24. The impingement vane separators shall be equipped with drains which shall be kept open and free-flowing at all times.
25. The operation of the aforementioned sources shall not at any time result in the emission of any air contaminant in excess of any limitation specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection or in excess of any limitation specified in any condition contained herein, nor otherwise result in noncompliance with the requirements specified in any condition contained herein.
26. The company shall immediately notify the Department of any malfunction of the sources or associated air cleaning devices which results in, or may be resulting in, the emission of any air contaminant in excess of any limitation specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection or in excess of any limitation specified in any condition contained herein or which otherwise results in, or may possibly be resulting in, noncompliance with the requirements specified in any condition contained herein.
27. If a subject source is taken out of operation for a period of one year or more during the term of this operating permit, the permittee shall not thereafter resume operation of the respective source in a manner which is contrary to the requirements specified in Section 127.11a of Chapter 127 of Article III of the Rules and Regulations of the Department of Environmental Protection.
- ~~28. This operating permit is valid for a limited period of time and may be renewed before its expiration. Requests for an operating permit renewal must be in writing and must be accompanied by the appropriate permit application processing and annual permit administration fees as specified in Section 127.703 of the Rules and Regulations of the Department of Environmental Resources. These fees shall be paid in the form of a check payable to the "Commonwealth of Pennsylvania - Clean Air Fund". The request should be made using the appropriate application form and must be received by the Department along with a completed Air Pollution Control Act Compliance Review form no later than November 1, 2002.~~  
  
~~Additional annual operating permit administration fees may also be required pursuant to Section 127.703. If required, these fees are to be paid by no later than November 30, 1998, November 30, 1999, November 30, 2000 and November 30, 2001. The administration fee is to be submitted with an Annual Operating Permit Administration Fee Transmittal form.~~  
  
~~All necessary forms can be obtained from the Department upon request.~~
29. Any notification required as a result of any condition herein should be directed to: R. Laurence Selleck, Air Quality Specialist, 208 West Third Street, Suite 101, Williamsport, PA 17701-6448, telephone (717) 321-6522.