



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

NEW SOURCE REVIEW PERMIT
TO CONSTRUCT AND OPERATE
A STATIONARY SOURCE

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-3a of the Regulations of Connecticut State Agencies (RCSA).

Owner/Operator:	United Aluminum Corporation
Address:	100 United Drive, North Haven, CT
Equipment Location:	100 United Drive, North Haven, CT
Equipment Description:	Aluminum Cold Rolling Mills Z-23 and Z-24

Town-Permit Numbers:	135-0136
Premises Number:	117
Permit Issue Date:	12/15/2003
Modification Issue Date:	7/9/10
Expiration Date:	None

/s/ Anne Gobin for
Amey Marrella
Commissioner

July 9, 2010
Date

PERMIT FOR PROCESS EQUIPMENT

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF AIR MANAGEMENT

PART I. DESIGN SPECIFICATIONS

A. General Description

United Aluminum Corporation operates two aluminum cold rolling mills. Rolls of aluminum are processed in batches through the mills. The mills have a preset gap between the work rolls used to reduce the sheet thickness. Reductions to desired gauge may occur in one or several passes. A rolling lubricant is used in the mills to cool the work rolls and provide lubrication for the product in contact with the work rolls. Aluminum Mill No. Z-23 exhausts through a synthetic fiber filter and Aluminum Mill No. Z-24 exhausts through an electrostatic precipitator.

B. Stack Parameters

1. Aluminum Mill No. Z-23
 Maximum Stack Height (ft.): 40
 Maximum gas flowrate (acfm): 24,214
 Minimum distance to property line (ft.): 275
2. Aluminum Mill No. Z-24 exhausts into the building.

PART II. OPERATING REQUIREMENTS

Notwithstanding the design specifications or description provided in Part I, above, the Permittee of the subject source shall comply with the following operating requirements.

A. Operating Parameter Limitations

1. Maximum Net Rolling Lubricant Consumption over any Consecutive Twelve (12) Month Period for Mills No. Z-23 and Z-24 combined: 18,787.88 gal.

PART III. MONITORING, RECORD KEEPING AND REPORTING REQUIREMENTS

- A. The Permittee shall keep records of the net rolling lubricant consumption in gallons. Net rolling lubricant consumption equals the gallons of make-up added to the system minus the sum of the gallons disposed with the lubricant filter media and the gallons disposed as manifested waste. Annual rolling lubricant consumption shall be based on any consecutive twelve (12) month time period and shall be determined by adding the current month's lubricant net usage and that of the previous eleven (11) months. The Permittee shall make these calculations monthly.

FIRM NAME:	<u>United Aluminum Corporation</u>
EQUIPMENT LOCATION:	<u>100 United Drive, North Haven, CT</u>
EQUIPMENT DESCRIPTION (MODEL, I.D. #):	<u>Aluminum Cold Rolling Mills Z-23 and Z-24</u>

PERMIT FOR PROCESS EQUIPMENT**STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT****PART III. MONITORING, RECORD KEEPING AND REPORTING REQUIREMENTS, cont.**

- B.** The Permittee shall keep records on premises indicating continual compliance with all above conditions at all times for the duration of this permit, or for the previous five (5) years, whichever is less and shall make all records available upon the request of the commissioner.

PART IV. ALLOWABLE EMISSION LIMITS**A. Criteria Pollutants**

The Permittee shall not exceed the emission limits stated herein at any time.

- i. Equipment: Aluminum Mills Nos. Z-23 and Z-24 Combined

<u>Pollutant</u>	<u>TPY</u>
VOC	62.0

Demonstration of compliance with the above emission limit shall be met by calculating the emission rates using mass balance.

PART V. ADDITIONAL TERMS AND CONDITIONS

- A.** This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the regulated activity in compliance with all applicable requirements of any federal, municipal or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Any representative of the DEP may enter the Permittee's site in accordance with constitutional limitations at all reasonable times without prior notice, for the purposes of inspecting, monitoring and enforcing the terms and conditions of this permit and applicable state law.
- C.** This permit may be revoked, suspended, modified or transferred in accordance with applicable law.
- D.** This permit is subject to and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut and conveys no property rights in real estate or material, nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby. This permit shall neither create nor affect any rights of persons of municipalities who are not parties to this permit.

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PART V. ADDITIONAL TERMS AND CONDITIONS, cont.

- E.** Any document, including any notice, which is required to be submitted to the commissioner under this permit shall be signed by a duly authorized representative of the Permittee and by the person who is responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute."
- F.** Nothing in this permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.
- G.** Within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under this permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the commissioner.
- H.** The date of submission to the commissioner of any document required by this permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this permit, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.
- I.** Any document required to be submitted to the commissioner under this permit shall, unless otherwise specified in writing by the commissioner, be directed to: Office of Director; Engineering & Enforcement Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127

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