

West Virginia Department of Environmental Protection

Austin Caperton
Cabinet Secretary

Title V Operating Permit Revision



For Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

Permit Action Number: MM02 **SIC:** 3353
Name of Permittee: Novelis Corporation
Facility Name/Location: Fairmont Plant
County: Marion
Facility Address: P. O. Box 912, Fairmont, WV 26555-0912

Description of Permit Revision: The permittee is replacing two purge gas generators with two new, identically-sized generators.

Title V Permit Information:

Permit Number: R30-04900038-2018
Issued Date: March 13, 2018
Effective Date: March 27, 2018
Expiration Date: March 13, 2023

Directions To Facility: From Charleston, WV, take I-79 to Fairmont, WV, to exit 137. Turn left at bottom of the ramp onto Route 310 West to Speedway Ave. Follow Speedway Ave. approximately 1.2 miles to plant. Plant is on the left.

THIS PERMIT REVISION IS ISSUED IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL ACT (W.VA. CODE §§ 22-5-1 ET SEQ.) AND 45CSR30 - "REQUIREMENTS FOR OPERATING PERMITS." THE PERMITTEE IDENTIFIED AT THE FACILITY ABOVE IS AUTHORIZED TO OPERATE THE STATIONARY SOURCES OF AIR POLLUTANTS IDENTIFIED HEREIN IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THIS PERMIT.

A handwritten signature in blue ink, appearing to read "Laura M. Crowder".

Laura M. Crowder
Director, Division of Air Quality

January 6, 2020
Date Issued

1.0 Emission Units and Active R13, R14, and R19 Permits

1.1 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
Rolling Mills Group 001					
001-01	001	Rolling Mill #1 Manufacturer: United	1960	Confidential	Oil Demister Mill #1 Manufacturer: Robert C. Murphy
001-02	002	Rolling Mill #2 Manufacturer: Pittsburgh	1967/ 1999	Confidential	Oil Demister Mill #2 Manufacturer: Robert C. Murphy
Annealing Furnace Group 002					
002-02	100	Annealing Furnace #4 Manufacturer: Swindell Dresler	1960	8.6 MMBtu/hr 75,336 MMBtu/yr	N/A
002-03	150	Annealing Furnace #5 Manufacturer: AMCO	1964	14.0 MMBtu/hr 122,640 MMBtu/yr	N/A
002-08	160	Annealing Furnace #6 Manufacturer: Sunbeam Serial Number: F04/05-73	1973 2001	5.0 MMBtu/hr 43,800 MMBtu/yr	N/A
002-09	170	Annealing Furnace #7 Manufacturer: Sunbeam	1973 2001	5.0 MMBtu/hr 43,800 MMBtu/yr	N/A
002-04	180	Annealing Furnace #8 Manufacturer: Rockwell	1994	6.0 MMBtu/hr 52,560 MMBtu/yr	N/A
Purge Gas Generator Group 003					
002-06	100 151 161 171 180	Purge Gas Generator #2 Manufacturer: Kemp SECO/WARWICK Model: DCV-30-LREX-30 Serial Number: 2-1710-11618A	1985 2019	30,000 ft ³ /hr 262.8 X 10 ⁶ ft ³ /yr	N/A
002-07	100 151 161 171 180	Purge Gas Generator #3 Manufacturer: Sunbeam SECO/WARWICK Model: LREX-15 Serial Number: F-06/07-11518A	1973 2019	15,000 ft ³ /hr 131.4 X 10 ⁶ ft ³ /yr	N/A
Fugitives (VOC)					
003	N/A	Recycling systems for used lubricant that involves vacuum distillation at Mill #1 as well as filtering of the oil at Mill #1 and Mill #2. This system has a removal efficiency of approximately 85%.	Unknown	50 gallons/hour 438,000 gallons/year	Relative High Concentrations of Hydro-carbons Filter
003	N/A	Vacuum distillation system—Oil from the Mill #1 Oil Cellar. From the Vacuum distillation system to the Recovered Coolant / Lubricant Storage Tanks back to the Rolling Mills. The heavier oils at the bottom of the Coolant / Lubricant Storage Tanks are Shipped off Site.	1979	25 gallons/hour 220,000 gallons/year	N/A