State of Utah

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Department of
Environmental Quality

Tim Davis
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN108470018-26

April 28, 2026

Bill Ferre
Hydro Extrusion USA, LLC
1550 Hydro Way
Spanish Fork, UT 84660
bill.ferre@hydro.com

Dear Mr. Ferre:

Re: Approval Order: Administrative Amendment of Approval Order DAQE-AN108470016-22 to Replace Homogenizing Furnace #23 with a Smaller Unit
Project Number: N108470018

The attached Approval Order (AO) is issued pursuant to the Notice of Intent (NOI) received on November 19, 2025. Hydro Extrusion USA, LLC must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **John Persons**, who can be contacted at (385) 306-6503 or jpersons@utah.gov. Future correspondence on this AO should include the engineer's name as well as the DAQE number shown on the upper right-hand corner of this letter.

Sincerely,

Bryce C. Bird
Director

BCB:JP:jg

cc: Utah County Health Department
EPA Region 8

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN108470018-26
Administrative Amendment of Approval Order DAQE-AN108470016-22 to Replace Homogenizing Furnace #23 with a Smaller Unit

Prepared By
John Persons, Engineer
(385) 306-6503
jpersons@utah.gov

Issued to
Hydro Extrusion USA, LLC - Unrecycled Aluminum Scrap Production

Issued On
April 28, 2026

Issued By



Bryce C. Bird
Director
Division of Air Quality

TABLE OF CONTENTS

TITLE/SIGNATURE PAGE 1

GENERAL INFORMATION 3

CONTACT/LOCATION INFORMATION 3

SOURCE INFORMATION 3

General Description 3

NSR Classification 3

Source Classification 3

Applicable Federal Standards 3

Project Description 4

SUMMARY OF EMISSIONS 4

SECTION I: GENERAL PROVISIONS 4

SECTION II: PERMITTED EQUIPMENT 5

SECTION II: SPECIAL PROVISIONS 7

PERMIT HISTORY 8

ACRONYMS 9

GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name
Hydro Extrusion USA, LLC

Source Name
Hydro Extrusion USA, LLC - Unrecycled Aluminum Scrap Production

Mailing Address
1550 Hydro Way
Spanish Fork, UT 84660

Physical Address
1550 Hydro Way
Spanish Fork, UT 84660

Source Contact
Name: Bill Ferre
Phone: (801) 798-4747
Email: bill.ferre@hydro.com

UTM Coordinates
444,950 m Easting
4,442,300 m Northing
Datum NAD83
UTM Zone 12

SIC code 3354 (Aluminum Extruded Products)

SOURCE INFORMATION

General Description
Hydro Extrusions USA, LLC (Hydro), formerly Sapa Extrusion, Inc., operates an aluminum plant in Spanish Fork. Hydro recycles painted and non-painted aluminum scrap at this facility. Aluminum scrap is melted down to form ingots, also called logs. Hydro also produces chip briquettes from the sawing of aluminum logs.

NSR Classification
Administrative Amendment

Source Classification
Located in Southern Wasatch Front O3 NAA
Utah County
Airs Source Size: B

Applicable Federal Standards
MACT (Part 63), A: General Provisions
MACT (Part 63), RRR: National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

Project Description
Hydro has requested an administrative amendment to AO DAQE-AN108470016-22 dated July 12, 2022. Hydro has requested to perform a reduction in air pollutants of Homogenizing Furnace #23 (AO DAQE-AN108470016-22 Equipment List Item II.A.5) with a smaller unit. The currently permitted furnace is rated at 38 MMBtu/hr, and the replacement unit will be rated at 20 MMBtu/hr. This change in equipment results in a reduction of all pollutants, and no new pollutants will be emitted. Therefore, this equipment meets the criteria for a reduction in air pollutants as defined in UAC R307-401-12.

SUMMARY OF EMISSIONS

The emissions listed below are an estimate of the total potential emissions from the source. Some rounding of emissions is possible.

Criteria Pollutant	Change (TPY)	Total (TPY)
CO_2 Equivalent	-9222	76488.00
Carbon Monoxide	-6.44	53.35
Nitrogen Oxides	-0.73	43.67
Particulate Matter - PM_{10}	-0.58	15.14
Particulate Matter - $PM_{2.5}$	-0.58	14.84
Sulfur Dioxide	-0.05	0.38
Volatile Organic Compounds	-0.42	6.27

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Chlorine (CAS #7782505)	0	306
Formaldehyde (CAS #50000)	0	74
Generic HAPs (CAS #GHAPS)	-280	556
Hexane (CAS #110543)	0	1800
Hydrochloric Acid (Hydrogen Chloride) (CAS #7647010)	0	10580
Hydrogen Fluoride (Hydrofluoric Acid) (CAS #7664393)	0	384
Lead (CAS #7439921)	0	0
Methanol (CAS #67561)	0	3060
	Change (TPY)	**Total (TPY)**
Total HAPs	-0.14	8.38

SECTION I: GENERAL PROVISIONS

I.1	All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]
I.2	The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]
I.3	Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]

I.4	All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Director or Director's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of two (2) years. [R307-401-8]
I.5	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]
I.6	The owner/operator shall comply with UAC R307-107. General Requirements: Breakdowns. [R307-107]
I.7	The owner/operator shall comply with UAC R307-150 Series. Inventories, Testing, and Monitoring. [R307-150]
I.8	The owner/operator shall submit documentation of the status of construction or modification to the Director within 18 months from the date of this AO. This AO may become invalid if construction is not commenced within 18 months from the date of this AO or if construction is discontinued for 18 months or more. To ensure proper credit when notifying the Director, send the documentation to the Director, attn.: NSR Section. [R307-401-8]

SECTION II: PERMITTED EQUIPMENT

II.A THE APPROVED EQUIPMENT

II.A.1	**Recycling Processes and Equipment**
II.A.2	**One (1) Aluminum Sow Preheat Oven** Fuel: Natural Gas Max Rating 2.5 MMBtu/hr
II.A.3	**One (1) Melting Furnace #21** Fuel: Natural Gas Max Burner Rating 35.4 MMBtu/hr Control: Regenerative burner
II.A.4	**One (1) Oxy-fuel Burner** Capacity: 12 MMBtu/hr Attached to Melting Furnace #21
II.A.5	**One (1) Homogenizing Furnace #23 - NEW** Fuel: Natural Gas Capacity: 20 MMBtu/hr Max Burner Rating: 60 ppm NO_x

II.A.6	**One (1) Holding Furnace #21** Fuel: Natural Gas Max Burner Rating: 12.1 MMBtu/hr Control: Low-NO_x Burner
II.A.7	**One (1) Degassing Unit** Removes impurities from molten aluminum - Hydrogen Chloride (HCl) and Chlorine emissions
II.A.8	**One (1) Homogenizing Furnace #21** Fuel: Natural Gas Max Burner Rating: 30.2 MMBtu/hr Control: Low-NO_x Burner
II.A.9	**One (1) Homogenizing Furnace #22** Fuel: Natural Gas Max Burner Rating: 30.2 MMBtu/hr Control: Low-NO_x Burner
II.A.10	**One (1) Log Heating Furnace #21** Fuel: Natural Gas Max Rating: 10.8 MMBtu/hr
II.A.11	**One (1) Billet Furnace #22** Fuel: Natural Gas Max Burner Capacity: 14.7 MMBtu/hr
II.A.12	**One (1) Aluminum Age Oven #20** Fuel: Natural Gas Max Rating: 15.6 MMBtu/hr Control: Low NO_x Burner
II.A.13	**One (1) Aluminum Age Oven #21** Fuel: Natural Gas Max Rating: 15.6 MMBtu/hr Control: Low NO_x Burner
II.A.14	**One (1) Age Oven #22** Fuel: Natural Gas Max Rating: 16.2 MMBtu/hr
II.A.15	**One (1) Grieve Oven** Fuel: Natural Gas Max Rating: 0.18 MMBtu/hr
II.A.16	**One (1) Nitride Oven** Electric oven included for informational purposes only
II.A.17	**Various Metal Saws** Control: cyclone system
II.A.18	**Video Jet Ink and Make Up Fluid Operations** Ink used to stamp finished material
II.A.19	**Cast House and Extrusion Cooling Towers**
II.A.20	**Die Cleaning System** Included for informational purposes

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	**Site-wide Requirements**
II.B.1.a	The owner/operator shall only use natural gas as fuel for the furnaces, heaters, and ovens. [R307-401-8]
II.B.1.b	The owner/operator shall not allow visible emissions on-site to exceed 10% opacity. [R307-401-8]
II.B.1.b.1	Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.1.c	The owner/operator shall not consume more than 990,000,000 cubic feet of natural gas per rolling 12-month period. [R307-401-8]
II.B.1.c.1	The owner/operator shall: A. Determine natural gas consumption from billing records and/or meter readings. B. Record natural gas consumption daily. C. Use the consumption data to calculate a new rolling 12-month total by the 20th day of each month using data from the previous 12 months. [R307-401-8]
II.B.1.d	The owner/operator shall not charge more than 90,000 tons of purchased aluminum scrap, excluding "clean charge" as defined in 40 CFR §63.1503, at the source per rolling 12-month period. [R307-401-8]
II.B.1.d.1	The owner/operator shall: A. Determine the amount of aluminum scrap charged from purchase records. B. Record the amount of aluminum scrap charged daily. C. Use the charge data to calculate a new rolling 12-month total by the 20th day of each month using data from the previous 12 months. [R307-401-8]
II.B.1.e	The owner/operator shall not allow painted scrap to exceed 10% of the total charge weight per charge. [R307-401-8]
II.B.1.e.1	The owner/operator shall record the percentage of painted scrap in each charge. [R307-401-8]
II.B.1.f	All aluminum scrap processed shall consist of approved scrap as defined in the facility's Operations Maintenance and Monitoring (OM&M) plan. [R307-401-8]
II.B.1.g	The owner/operator shall install and operate a burner on Homogenizing Furnace #23 that is specified to meet a NO_x emission concentration of 60 ppm at 3% O_2 or less. [R307-401-8]
II.B.1.g.1	The owner/operator shall keep a record of the manufacturer's specification of the emission concentration. The record shall be kept for the life of the equipment. [R307-401-8]

II.B.1.h	The owner/operator shall install and operate an Oxy-fuel Burner (II.A.4) that is specified to meet a NO_x emission rate of 0.07 lb/MMBtu or less. [R307-401-8]
II.B.1.h.1	The owner/operator shall keep a record of the manufacturer's specification of the emission concentration. The record shall be kept for the life of the equipment. [R307-401-8]
II.B.2	**VOC & HAP Requirements**
II.B.2.a	The owner/operator shall not emit more than the following from Video Jet Ink and Make Up Fluid Operations: 1.65 tons per rolling 12-month period for VOCs. 1.53 tons per rolling 12-month period for Methanol. [R307-401-8]
II.B.2.a.1	The owner/operator shall calculate a new 12-month total by the 20th day of each month using data from the previous 12 months. The owner/operator shall use a mass-balance method to calculate emissions from evaporative sources. The owner/operator may use the following equations with applicable units to comply with the mass-balance method: VOCs = [% VOCs by Weight/100] x [Density] x [Volume Consumed]. HAP = [% HAP by Weight/100] x [Density] x [Volume Consumed]. [R307-401-8]
II.B.2.a.2	The owner/operator shall keep records each month of the following: A. The name (as per SDS) of the VOC- and HAP-emitting material. B. The maximum percent by weight of VOCs and each HAP in each material used. C. The density of each material used. D. The volume of each VOC- and HAP-emitting material used. E. The amount of VOCs and the amount of each HAP emitted from each material. F. The total amount of VOCs, the total amount of each HAP, and the total amount of all HAPs combined emitted from all materials (in tons). [R307-401-8]

PERMIT HISTORY

This Approval Order shall supersede (if a modification) or will be based on the following documents:

Is Derived From	NOI dated November 19, 2025
Replaces	AO DAQE-AN108470016-22 dated July 12, 2022
Incorporates	Additional Information dated January 13, 2026

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by Environmental Protection Agency to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CMS	Continuous monitoring system
CO	Carbon monoxide
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent - Title 40 of the Code of Federal Regulations Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ/UDAQ	Division of Air Quality
DAQE	This is a document tracking code for internal Division of Air Quality use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - Title 40 of the Code of Federal Regulations 52.21 (b)(49)(i)
GWP	Global Warming Potential - Title 40 of the Code of Federal Regulations Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/YR	Pounds per year
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO_x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM_{10}	Particulate matter less than 10 microns in size
$PM_{2.5}$	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO_2	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
VOC	Volatile organic compounds