State of Utah

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Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-IN100280019-23

November 27, 2023

Darin Gardner
Vulcraft - Division of Nucor Corporation
1875 West Highway 13 South
PO Box 637
Brigham City, UT 84302-0637
aaron.bell@nucor.com

Dear Mr. Gardner:

Re: Intent to Approve: Modification to Approval Order DAQE-AN100280018-23 to Add a New TrueCore Insulated Panels Process and a Mini-Joist Line
Project Number: N100280019

The attached document is the Intent to Approve (ITA) for the above-referenced project. The ITA is subject to public review. Any comments received shall be considered before an Approval Order (AO) is issued. The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. An invoice will follow upon issuance of the final AO.

Future correspondence on this ITA should include the engineer's name, **Sarah Foran,** as well as the DAQE number as shown on the upper right-hand corner of this letter. Sarah Foran, can be reached at (385) 306-6724 or sforan@utah.gov, if you have any questions.

Sincerely,

Jon L. Black
Jon Black (Nov 22, 2023 09:39 MST)

Jon L. Black, Manager
New Source Review Section

BCB:SF:jg

cc: Bear River Health Department
DJ Law, EPA Region 8

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

INTENT TO APPROVE
DAQE-IN100280019-23 Modification to Approval Order DAQE-AN100280018-23 to Add a New TrueCore Insulated Panels Process and a Mini-Joist Line

Prepared By
Sarah Foran, Engineer
(385) 306-6724
sforan@utah.gov

Issued to
Vulcraft - Division of Nucor Corporation - Steel Products Manufacturing

Issued On
November 27, 2023

Jon Black (Nov 22, 2023 09:39 MST)

New Source Review Section Manager
Jon L. Black

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name
Vulcraft - Division of Nucor Corporation

Source Name
Vulcraft - Division of Nucor Corporation - Steel Products Manufacturing

Mailing Address
1875 West Highway 13 South
PO Box 637
Brigham City, UT 843020637

Physical Address
1875 West Hwy 13 South
Brigham City, UT 84302

Source Contact
Name Aaron Bell
Phone (435) 734-4443
Email aaron.bell@nucor.com

UTM Coordinates
411363 m Easting
4598542 m Northing
Datum NAD83
UTM Zone 12

SIC code 3441 (Fabricated Structural Metal)

SOURCE INFORMATION

General Description
The Vulcraft - Division of Nucor Corporation - Steel Products Manufacturing (Nucor-Vulcraft) operations consist of four steel processing and fabrication plants: 1) Vulcraft Joist Plant; 2) Cold Finish Division; and 3) Nucor Building Systems (NBS) and 4) TrueCore Insulated Panels. The Vulcraft Joist Plant contains the Bridging Line System, Truck Stop, Steel Grating, and Joist and Truss Painting equipment. The Cold Finish Division encompasses the Wire Line, Coil Line, Bar Line, and Wire Mesh. The NBS includes the Built-Up Line, Purlin Line, Rod Line, Standing Seam Line (metal roofing), Accessory Dip Coating, and the Maintenance Shop. The TrueCore Insulated Panels include the FOAM-1 Line.

NSR Classification
Minor Modification at Major Source

Source Classification
Located in Salt Lake City UT $PM_{2.5}$ NAA
Box Elder County
Airs Source Size: A

Applicable Federal Standards
NSPS (Part 60), A: General Provisions
NSPS (Part 60), JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
MACT (Part 63), A: General Provisions
MACT (Part 63), ZZZZ: National Emissions Standards for Hazardous Air Pollutants for

Stationary Reciprocating Internal Combustion Engines
MACT (Part 63), CCCCCC: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities
MACT (Part 63), XXXXXX: National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories
Title V (Part 70) Major Source

Project Description
Nucor-Vulcraft requested the addition of a new TrueCore Insulated Panels facility. The TrueCore facility will manufacture polyisocyanurate foam insulated steel building panels. The production line will operate 8,760 hours per year. The addition of this line will result in an increase in VOCs, HAP (less than .01 tons per year), PM_{10}, and $PM_{2.5}$.

The mini-joist line will include dip coatings, welding equipment, and handheld plasma cutters. The mini-joist will increase structural steel joist assembly by 3,000 tons/year increasing the facility wide total to 154,200 tons/year.

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	0	18165.00
Carbon Monoxide	0	3.94
Nitrogen Oxides	0	19.26
Particulate Matter - PM_{10}	0.12	35.33
Particulate Matter - PM_{10} (Fugitives)	0	2.68
Particulate Matter - $PM_{2.5}$	0.07	25.86
Particulate Matter - $PM_{2.5}$ (Fugitives)	0	0.29
Primary PM_{10}, Condensible Portion Only	0	0.85
Primary $PM_{2.5}$, Condensible Portion Only	0	0.85
Sulfur Dioxide	0	0.09
Volatile Organic Compounds	36.79	187.10

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Chromium Compounds (CAS #CMJ500)	0	2
Generic HAPs (CAS #GHAPS)	0	18060
Lead (CAS #7439921)	0	100
Manganese Compounds (CAS #MAR500)	0	620
Methylene Diphenyl Diisocyanate (MDI) (CAS #101688)	13	13
Nickel & Compounds (CAS #226)	0	2
	Change (TPY)	**Total (TPY)**
Total HAPs	0.01	9.40

PUBLIC NOTICE STATEMENT

The NOI for the above-referenced project has been evaluated and has been found to be consistent with the requirements of UAC R307. Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an AO by the Director.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notification of the intent to approve will be published in the Box Elder News & Journal on November 29, 2023. During the public comment period the proposal and the evaluation of its impact on air quality will be available for the public to review and provide comment. If anyone so requests a public hearing within 15 days of publication, it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated. The proposed conditions of the AO may be changed as a result of the comments received.

SECTION I: GENERAL PROVISIONS

The intent is to issue an air quality AO authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

I.1	All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307) and Title 40 of the Code of Federal Regulations (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 in accordance with UAC R307-401. [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 five-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 five (5) 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. [R307-401-18]

SECTION II: PERMITTED EQUIPMENT

The intent is to issue an air quality AO authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

II.A THE APPROVED EQUIPMENT

II.A.1	**Nucor-Vulcraft Brigham City Group** Vulcraft Structural/Joist Plant, Cold Finish Plant, and Nucor Building Systems
II.A.2	**Nucor and Vulcraft Site Wide Equipment** A. Miscellaneous mobile equipment B. Handheld Plasma Cutters C. Multiple Welding Stations D. Fuel Tanks Outdoor gasoline or diesel fuel storage E. Compressor Building F. Miscellaneous Parts Washers G. Spray Painting Equipment H. Maintenance Shops
II.A.3	**Three Cold Finish Area Shot Blasters** Controls: A. Coil Line dust collector Maximum Airflow: 5,500 scfm B. Bar Line dust collector Maximum Airflow: 16,000 scfm C. Wire Line Baghouse (Dust Collector) Maximum Airflow: 2,800 scfm D. NCF Plasma Cutter Table (NEW) Control: Water Table
II.A.4	**Structural/Joist Plant**

II.A.5	**Eight surface coating dip tanks** one new dip tank (Mini-Joist Line)
II.A.6	**Bridging Paint Line System** One (1) electric oven and enclosed paint spray box Included for informational purposes
II.A.7	**One Structural Products Plasma Cutter** Control: water table
II.A.8	**One Steel Grating Plasma Cutter** Dry Plasma Cutter Control: Baghouse
II.A.9	**One Baseplate Processor (NEW)** Dry Plasma Cutter Control: Baghouse
II.A.10	**One Steel Grating dip tank**
II.A.11	**Four Heaters** Maximum rating: 6.48 MMBtu/hr Fuel: Natural Gas
II.A.12	**One Emergency Engine** Rating: 150 kW Fuel: Natural Gas/ Propane NSPS Applicability: Subpart JJJJ MACT Applicability: Subpart ZZZZ
II.A.13	**Beam Line** Includes: Structural Dry Plasma Cutter Table Control: Baghouse
II.A.14	**Nucor Building Systems**
II.A.15	**Built Up Line**
II.A.16	**Two Plasma cutters** Control: water table
II.A.17	**Two Spray Booths Areas** Includes: Two (2) separate Spray Booth Bays Each (4 bays total) Each bay vents to exhaust stacks Controls: Air collection system and fabric filters
II.A.18	**Two Drying Ovens** Maximum Ratings: 3.0 MMBtu/hr & 4.1 MMBtu/hr Fuel: Natural Gas and Propane
II.A.19	**Flange Line** Includes Plasma Bevel Preparation Dry Plasma Cutter Control: Dust and Fume Collection System

II.A.20	**Purlin Line** A. Roll-forming equipment B. Flow Coater Application Type: Automated/vacuum
II.A.21	**One Shot Blaster** Abrasive Blaster Manufacturer Name: Peddinghaus shot Blaster Control: Baghouse MACT Applicability: Subpart XXXXXX
II.A.22	**One Purlin Line Drying Oven** Maximum Rating: 4.5 MMBtu/hr Fuel: Natural Gas and Propane
II.A.23	**Rod Line** Flow Coater Line Application type: Automated/vacuum
II.A.24	**Accessory Dip Coating** Two open-topped dip tanks
II.A.25	**Metal Roofing and Siding Panel Forming** Various automated panel and trim roll forming equipment Incorporates: Highly evaporative lubricant application equipment
II.A.26	**Two Mastic-application Roll Former**
II.A.27	**TrueCore Insulated Panels Building (NEW)**
II.A.28	**FOAM-1 Line (NEW)** Foam insulation line Vent: FOAM-1 Stack Includes: Double belt laminator and cross-cut/edge trimming saws Control: Baghouse (DC-01)
II.A.29	**Mastic Applicator (MAST) (NEW)** Vents Internally
II.A.30	**Corona Treatment Machine (NEW)** High voltage coil treatment *Included for informational purposes, electrically powered
II.A.31	**One Baghouse (DC-01) (NEW)** Maximum Air Flow: 3,800 CFM
II.A.32	**Tanks (NEW)** One n-Pentane Tank Capacity: 12,200 gallons Two MDI Tanks Capacity: 8,000 gallons Each Two Polyol Tanks Capacity: 8,000-gallons Each

SECTION II: SPECIAL PROVISIONS

The intent is to issue an air quality AO authorizing the project with the following recommended conditions and that failure to comply with any of the conditions may constitute a violation of the AO.

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	**Site-Wide Requirements**
II.B.1.a	The owner/operator shall not exceed the following production limits: A. 79,100 tons of production from the Nucor Building Systems operations per rolling 12-month period B. 154,200 tons of production from the Joist Plant and mini-joist operations per rolling 12-month period C. 18,854 tons of production from the Structural Products operations per rolling 12-month period D. 15,000 tons of production from the Steel Grating operations per rolling 12-month period. [R307-401-8]
II.B.1.a.1	The owner/operator shall demonstrate compliance with the rolling 12-month total for each production limit. The owner/operator shall calculate and record a new 12-month total by the last day of each month using data from the previous 12 months. Records of production shall be kept for all periods when the plant is in operation. Production records shall be determined by examination of sales, billing records, or operation logs. The records of production shall be kept on a daily basis. [R307-401-8]
II.B.1.b	The owner/operator shall not exceed the following combined site-wide emissions of VOCs and HAPs from the dip tanks, paint booths, spray painting, degreasers, foaming operations, and parts cleaners used in operations at the facility: 185.44 tons per rolling 12-month period for VOCs 4.77 tons per rolling 12-month period for any individual HAP 9.39 tons per rolling 12-month period for all HAPs combined. [R307-401-8]
II.B.1.b.1	Compliance with each limitation shall be determined on a rolling 12-month total. Based on the last day of each month, a new 12-month total shall be calculated using data from the previous twelve months. Monthly calculations shall be made no later than 20 days after the end of each calendar month. [R307-401-8]

II.B.1.b.2	The VOC and HAP emissions shall be determined by maintaining a record of VOC- and HAP-emitting materials used each month. The record shall include the following data for each material used: A. Name of the VOC-, or HAP-emitting material, such as: paint, adhesive, solvent, thinner, reducers, chemical compounds, toxics, isocyanates, etc. B. Density of each material used (pounds per gallon) C. Percent by weight of all VOC, or HAP in each material used D. Gallons of each VOC-, or HAP-emitting material used E. The amount of VOC, or HAP emitted monthly by each material used shall be calculated by the following procedure: VOC = (% VOC by Weight/100) x [Density (lb/gal)] x Gal Consumed x 1 ton/2000 pounds HAP = (% HAP by Weight/100) x [Density (lb/gal)] x Gal Consumed x 1 ton/2000 pounds F. The amount of VOC, or HAP emitted monthly from all materials used G. The amount of VOCs, or HAPs reclaimed for the month shall be similarly quantified and subtracted from the quantities calculated above to provide the monthly total VOC, or HAP emissions H. The amount of VOC's from TrueCore foam operations shall be calculated as follows: VOC = lb foam generated x % Blowing Agent/100 x % VOC Release Rate/100 x 1 ton/2000 lbs I. HAP's from the TrueCore foam operation shall be calculated using the American Chemistry Council MDI Emission from Foam Production calculator. [R307-401-8]
II.B.1.c	The owner/operator shall not allow visible emissions from any fugitive dust source to exceed 20 percent opacity on site and 10 percent at the property boundary. [R307-401-8]
II.B.1.d	Opacity observations of fugitive dust from intermittent sources shall be conducted according to 40 CFR 60, Appendix A, Method 9; however, the requirement for observations to be made at 15-second intervals over a six-minute period shall not apply. The number of observations and the time period shall be determined by the length of the intermittent source. For fugitive dust generated by mobile sources, visible emissions shall be measured at the densest point of the plume but at a point not less than one-half vehicle length behind the vehicle and not less than one-half the height of the vehicle. [R307-401-8]
II.B.1.e	The owner/operators shall water spray and/or chemically treat all unpaved roads and other unpaved operational areas that are used by mobile equipment to maintain opacity limits unless the temperature is below freezing. [R307-401-8]
II.B.1.f	The owner/operator shall sweep paved areas on an "as needed" basis to maintain visible emission limits. If chemical treatment is to be used, the plan must be approved by the Director. [R307-401-8]

II.B.1.f.1	Records of water and/or chemical treatment shall be kept for all periods when the plant is in operation. The records shall include the following items: A. Date B. Number of treatments made, dilution ratio, and quantity C. Rainfall received, if any, and approximate amount D. Time of day treatments were made E. Records of temperature if the temperature is below freezing. [R307-401-8]
II.B.1.g	The owner/operator shall use only natural gas or propane as a fuel in the drying ovens. [R307-401-8]
II.B.1.h	The owner/operator shall keep all dip tanks and parts cleaners covered, except when they are in use. [R307-401-8]
II.B.1.i	The owner/ operator shall maintain records of steel product operations associated with paint dip tanks. [R307-401-8]
II.B.1.i.1	Records shall include the following: A. Dates and times when steel product assembly/painting commences and ends B. Verification that the dip tank covers are in a closed position within 1-hr of when steel product assembly/painting ceased. [R307-401-8]
II.B.1.j	The owner/operator shall not allow visible emissions from the following emission points to exceed the following opacities: A. Baghouse and dust collectors - 5% opacity B. Steel Grating Plasma Cutter - 10% opacity C. All-natural gas and propane fired equipment- 10% opacity D. All other points - 20% opacity. [R307-201, R307-401-8]
II.B.1.k	The owner/operator shall perform visual observations on the Bar Line dust collector, Coil Line dust collector, and Wire Line baghouse at least once during each week that they operate. [R307-401-8]
II.B.1.k.1	Visual observations shall be made by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination shall be performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9. The opacity determination shall be made within 24 hours, or at the beginning of the next day of dust collector/baghouse operation. [R307-401-8]

II.B.2	**Cold Finish Plant, Joist Plant, and TrueCore Requirements**
II.B.2.a	The owner/operator shall install a manometer, solid state electronic, or magnehelic pressure gauge to measure the differential pressure across each of the Coil Line Dust Collector, the Bar Line Dust Collector, the Wire Line Baghouse, DC-01 and the Steel Grating Plasma Cutter Baghouse. Each baghouse shall operate within the static pressure range recommended by the manufacturer for normal operations. [R307-401-8]
II.B.2.b	The owner/operator shall maintain records of the manufacturer recommended pressure ranges and gauge measurement metric. Each gauge shall be maintained, operated, and calibrated in accordance with manufacturer recommendations. Documentation of gauge calibration shall be maintained. All pressure gauges shall be located such that an inspector/operator can safely read the indicator at any time. [R307-401-8]
II.B.2.b.1	The owner/operator shall monitor the Coil Line and Bar Line dust collectors, the Wire Line baghouse, DC-01, and the Steel Grating Plasma Cutter baghouse at least once during each week of operation to demonstrate that pressure drop is within the required range. [R307-401-8]
II.B.3	**Abrasive Blasting and Dry Plasma Cutter Requirements**
II.B.3.a	The owner/operator shall route emissions as follows prior to venting to the atmosphere: A. Abrasive blaster to a baghouse B. Each Plasma Dry Cutter to the appropriate baghouse as listed in Section II.A of this AO. [40 CFR 63 Subpart XXXXXX, R307-401-8]
II.B.3.a.1	The owner/operator shall install a manometer or magnehelic pressure gauge to measure the differential pressure across each baghouse. The baghouse shall operate within the static pressure range recommended by the manufacturer for normal operations. [R307-401-8]
II.B.3.b	Pressure drop readings shall be recorded at least once during each week of operation while the baghouse is operating. Records documenting the pressure drop shall be kept in a log and shall include the following: A. Unit identification; B. Manufacturer recommended pressure drop for the unit including the gauge measurement metric (kPA, mbar, inches of water, etc) ; C. Weekly pressure drop readings with the appropriate metric, consistent with the condition above (kPA, mbar, inches of water, etc); D. Date of reading. [R307-401-8]
II.B.3.c	Each pressure gauge shall be located such that an inspector/operator can read the indicator safely at any time. [R307-401-8]

II.B.4	**Nucor Building System Requirements**
II.B.4.a	The owner/operator shall install a manometer or magnehelic pressure gauge to measure the differential pressure across the filter media of each spray booth bay. To ensure compliance the owner shall: A. Use a portable anemometer during initial operation to determine a correlation between pressure drop and spray booth face velocity B. Use the correlation to set a reference mark on each manometer or magnehelic pressure gauge to show the point at which in the future, the face velocity will be assumed to have dropped to 100 fpm C. Replace all or part of the filter media when the face velocity has dropped to 100 fpm D. Maintain documentation of these measurements E. Conduct inspections on a quarterly basis to verify adequate maintenance. [R307-401-8]
II.B.4.a.1	Records of inspections and maintenance shall be maintained including at a minimum: spray booth identification, date of inspection, results of inspection, manometer or magnehelic gauge repairs, and other corrective actions taken. [R307-401-8]
II.B.4.b	Visible emissions from the Spray Booth Exhaust stacks shall not exceed 5% opacity. [R307-401-8]
II.B.4.c	The owner/operator shall perform visual observations on the Spray Booth Stacks at least once during each week they operate. [R307-401-8]
II.B.4.c.1	Visual observations shall be made by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination shall be performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9. The opacity determination shall be made within 24 hours, or at the beginning of the next day of Spray Booth operation. [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 May 22, 2023
Supersedes	AO DAQE-AN100280018-23 dated May 22, 2023
Incorporates	Additional Information dated September 16, 2022
Incorporates	NOI dated September 28, 2023

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