



State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-IN109190024-24

November 18, 2024

Mike Jones
Kimberly-Clark Corporation
2010 North Rulon White Blvd.
Ogden, UT 84404 -7802
mdjones@kcc.com

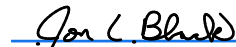
Dear Mr. Jones:

Re: Intent to Approve: Modification to Approval Order DAQE-AN109190023-23 to Add Equipment
and Increase Emissions
Project Number: N109190024

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, **Stockton Antczak**, as well as the DAQE number as shown on the upper right-hand corner of this letter. Stockton Antczak can be reached at (385) 306-6724 or santczak@utah.gov if you have any questions.

Sincerely,


Jon Black (Nov 11, 2024 21:22 MST)

Jon L. Black, Manager
New Source Review Section

JLB:SA:jg

cc: Weber-Morgan Health Department

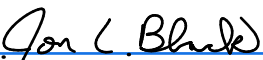
STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

INTENT TO APPROVE
DAQE-IN109190024-24
Modification to Approval Order DAQE-AN109190023-23
to Add Equipment and Increase Emissions

Prepared By
Stockton Antczak, Engineer
(385) 306-6724
santczak@utah.gov

Issued to:
Kimberly-Clark Corporation - Ogden Plant

Issued On
November 18, 2024


Jon Black (Nov 11, 2024 21:22 MST)

New Source Review Section Manager
Jon L. Black

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

Kimberly-Clark Corporation

Source Name

Kimberly-Clark Corporation - Ogden Plant

Mailing Address

2010 North Rulon White Blvd.
Ogden, UT 84404-7802

Physical Address

2010 North Rulon White Blvd.
Ogden, UT 84404-7802

Source Contact

Name: Mike Jones
Phone: (801) 786-2318
Email: mdjones@kcc.com

UTM Coordinates

415,874 m Easting
4,571,869 m Northing
Datum NAD83
UTM Zone 12

SIC code 2676 (Sanitary Paper Products)

SOURCE INFORMATION

General Description

Kimberly-Clark Corporation (KCC) operates a diaper manufacturing plant in Ogden, Weber County.

NSR Classification

Minor Modification at Minor Source

Source Classification

Located in Northern Wasatch Front O3 NAA, Salt Lake City UT PM_{2.5} NAA
Weber County
Airs Source Size: B

Applicable Federal Standards

NSPS (Part 60), A: General Provisions
NSPS (Part 60), Dc: Standards of Performance for Small Industrial-Commercial-Institutional
Steam Generating Units
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

Project Description

KCC plans to modify the Ogden Plant to add capability to produce a new type of product. The process change includes additional vacuum conveyors with a vacuum fan. Exhaust air from the fan will be routed through the existing U8 Machine Dust Bag filter rack assembly. Additionally, KCC is requesting to add two (2) sets of cooling towers to the permit. The addition of the cooling towers will result in an increase in PM₁₀ and PM_{2.5} emissions.

Process Description

The KCC Ogden plant is a disposable garment manufacturing facility. Various components are purchased from suppliers and are shipped to the plant by truck. Absorbent fluff (made from cellulose and polymer), a protective liner, and an outer plastic shell enter an automated assembly line to form various garments. The fluff material enters the form machine at the front of the line and is uniformly shredded and mixed.

The combined fluff moves by conveyor through a compression stage to form the absorbent bulk of the garment. Once the fluff has been shaped, the protective inside liner and plastic outer shell are added. When all three components have been combined, the final shape is cut and the garment is sealed. The finished garments are stacked and packaged by an automated machine and are conveyor-transported to the loading dock/warehouse area for shipment or storage. The production lines are all vented to cyclones and/or baghouses to control particulate emissions and recycle material.

This facility has a reclaim system where rejected garments and fluff are separated and either baled into fluff bricks, fluff bales, or tailings bales. All processed waste material is sold.

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	19016.41
Carbon Monoxide	0	8.46
Nitrogen Oxides	0	12.99
Particulate Matter - PM ₁₀	5	41.53
Particulate Matter - PM _{2.5}	3.80	40.33
Sulfur Dioxide	0	0.06
Volatile Organic Compounds	0	39.91

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Cresols/Cresylic Acid (Isomers And Mixture) (CAS #1319773)	0	280
Generic HAPs (CAS #GHAPS)	0	128
Methylene Chloride (Dichloromethane) (CAS #75092)	0	700
	Change (TPY)	Total (TPY)
Total HAPs	0	0.55

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 Ogden Standard Examiner on November 20, 2024. 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 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. [R307-401-18]
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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	Kimberly-Clark Corporation Diaper Manufacturing Plant
II.A.2	Forming Baghouse #1 Controls: Lines U1, U2, and U8 Max. Rating: 37,000 acfm
II.A.3	Forming Baghouse #2 Controls: Lines U3 and U4 Max. Rating: 25,000 acfm
II.A.4	Forming Baghouse #3 Controls: Lines U5 and U6 Max. Rating: 28,000 acfm
II.A.5	Forming Baghouse #4 Controls: Line U7 Max. Rating: 31,000 acfm
II.A.6	Collector Baghouses #5 and #8 Controls: Emissions from Forming Baghouse #1 through #4 and Reclaiming Unit Baghouse #6 Max. Rating: 25,000 acfm
II.A.7	Reclaiming Unit Baghouse #6 Controls: Reclaiming Unit Max. Rating: 27,500 acfm
II.A.8	Forming Baghouse #9 Controls: Line U10, U11, and U12 Max. Rating: 36,300 acfm
II.A.9	Forming Baghouse #13 Controls: Line U13 Max. Rating: 48,200 acfm
II.A.10	Collector Baghouse #10 and #11 Controls exhaust from Forming Baghouse #9 and #13 Max. Rating: 25,000 acfm

II.A.11	Two (2) Vacuum Pulse Jet Baghouse Two (2) vacuum system vents Controls the central vacuum system
II.A.12	Two (2) Boilers Maximum Rated Capacity: 13.39 MMBtu/hr each Fuel: Natural Gas NSPS Applicability: Subpart Dc
II.A.13	One (1) Adhesive Shop Adhesive removal process, classified as a cold cleaning process. Includes a hot oil bath, solvent tank, two (2) electric ovens, and a parts cleaner.
II.A.14	Twenty-two (22) Adhesive Melters Electric-powered adhesive melters for liquefying adhesive
II.A.15	Two (2) Emergency Generator Engines Rating: One (1) 195hp and one (1) 354hp Fuel: Natural Gas MACT Applicability: Subpart ZZZZ
II.A.16	One (1) Emergency Generator Engine Rating: 530hp Fuel: Natural Gas NSPS Applicability: Subpart JJJJ MACT Applicability: Subpart ZZZZ
II.A.17	One (1) Fire Pump Engine Rating: 255hp Fuel: Diesel MACT Applicability: Subpart ZZZZ
II.A.18	One (1) Reclaim Bale Opener
II.A.19	Eleven (11) Machine Air Wall Louvers Included for informational purposes
II.A.20	One (1) Laboratory Fume Exhaust Hood
II.A.21	3D Printer HP Jet Fusion 3D Printer
II.A.22	Various Heaters and Boilers Maximum Rated Capacity: 5.0 MMBtu/hr each Fuel: Natural Gas Source Category Exemption under R307-401-10
II.A.23	Baby Care (BC) Chiller Cooling Tower Ceramic Cooling Tower Company Model: PL-4-450-40A counterflow cooling tower Consists of four (4) cells Total GPM required: 6,300 Tower pumping head: 11 ft. Drift loss: 0.0005% (based on DriAir 80 drift eliminators from Evaptech)

II.A.24	Baby Care (BC) Compressor Cooling Tower Baltimore Aircoil Company Model: FXV-1212C-36T-P Flow rate: 580 GPM Drift loss: 0.005%
II.A.25	Child Care (CC) Chiller Cooling Tower Consists of two (2) cells Total flow rate: 7,500 GPM Drift loss: 0.001%
II.A.26	Child Care (CC) Compressor Cooling Tower One (1) unit Flow rate: 694 GPM Drift loss: 0.001%

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	Facility-Wide Requirements
II.B.1.a	The owner/operator shall not allow visible emissions from the following emission points to exceed the following values: A. Baghouse #1, #2, #3, #4, #5 - 20% opacity. B. All other baghouses and cooling towers - 10% opacity. C. Reclaim and Central Vacuum System vents - 5% opacity. D. All natural gas heaters, boilers, and emergency generator engines - 10% opacity. E. All other points - 20% opacity. [R307-401-8]
II.B.1.a.1	Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-401-8]

II.B.1.b	The owner/operator shall control the following manufacturing operations with the applicable baghouses listed below. <table border="1"> <thead> <tr> <th><u>Operation</u></th><th><u>Baghouse</u></th></tr> </thead> <tbody> <tr> <td>Lines U1, U2, and U8</td><td>Forming Baghouse #1</td></tr> <tr> <td>Lines U3 and U4</td><td>Forming Baghouse #2</td></tr> <tr> <td>Lines U5 and U6</td><td>Forming Baghouse #3</td></tr> <tr> <td>Line U7</td><td>Forming Baghouse #4</td></tr> <tr> <td>Emissions from Forming Baghouses #1, #2, #3, #4 And Reclaiming Baghouse #6</td><td>Collector Baghouses #5 and #8</td></tr> <tr> <td>Reclaiming Unit</td><td>Forming Baghouse #6</td></tr> <tr> <td>Lines U10, U11, and U12</td><td>Forming Baghouse #9</td></tr> <tr> <td>Line U13</td><td>Forming Baghouse #13</td></tr> <tr> <td>Exhaust from Forming Baghouses #9 and #13</td><td>Collector Baghouses #10 and #11</td></tr> </tbody> </table> [R307-401-8]	<u>Operation</u>	<u>Baghouse</u>	Lines U1, U2, and U8	Forming Baghouse #1	Lines U3 and U4	Forming Baghouse #2	Lines U5 and U6	Forming Baghouse #3	Line U7	Forming Baghouse #4	Emissions from Forming Baghouses #1, #2, #3, #4 And Reclaiming Baghouse #6	Collector Baghouses #5 and #8	Reclaiming Unit	Forming Baghouse #6	Lines U10, U11, and U12	Forming Baghouse #9	Line U13	Forming Baghouse #13	Exhaust from Forming Baghouses #9 and #13	Collector Baghouses #10 and #11
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II.B.1.c	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. The monitoring device shall measure in one (1) inch water column increments or less. [R307-401-8]																				
II.B.1.c.1	Pressure drop readings shall be recorded at least once during each day 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; C. Daily pressure drop readings; D. Date of reading. [R307-401-8]																				
II.B.1.c.2	The owner/operator shall monitor the pressure drop with equipment located such that an inspector/operator can safely read the output at any time. [R307-401-8]																				
II.B.1.c.3	The owner/operator shall calibrate all instruments according to the manufacturer's instructions at least once every 12 months. [R307-401-8]																				

II.B.2	VOC and HAP Requirements
II.B.2.a	The owner/operator shall not emit more than the following from evaporative sources (painting, printing, coating, and/or cleaning) on site: 39.91 tons per rolling 12-month period of VOCs. 0.55 tons per rolling 12-month period of all HAPs combined. [R307-401-8]
II.B.2.a.1	The owner/operator shall calculate a new 12-month total by the 20th 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]
II.B.2.b	The owner/operator shall comply with all applicable requirements of Utah Administrative Code (UAC) R307-342. [R307-342, R307-401-8]
II.B.2.c	The owner/operator shall comply with all applicable requirements for Utah Administrative Code (UAC) R307-335. [R307-355, R307-401]

II.B.3	Stack Testing Conditions																																				
II.B.3.a	PM ₁₀ emissions to the atmosphere from the indicated emission points shall not exceed the following rates and concentrations: <table><tr><td>Source</td><td>lbs/hr</td><td>grains/dscf</td></tr><tr><td>Baghouse #1</td><td>2.5</td><td>0.01</td></tr><tr><td>Baghouse #2</td><td>1.63</td><td>0.01</td></tr><tr><td>Baghouse #3</td><td>1.83</td><td>0.01</td></tr><tr><td>Baghouse #4</td><td>2.39</td><td>0.01</td></tr><tr><td>Baghouse #5</td><td>1.63</td><td>0.01</td></tr><tr><td>Baghouse #6</td><td>1.85</td><td>0.01</td></tr><tr><td>Baghouse #8</td><td>1.63</td><td>0.01</td></tr><tr><td>Baghouse #9</td><td>1.07</td><td>0.005</td></tr><tr><td>Baghouse #10</td><td>0.29</td><td>0.005</td></tr><tr><td>Baghouse #11</td><td>0.29</td><td>0.005</td></tr><tr><td>Baghouse #13</td><td>1.63</td><td>0.005</td></tr></table> [R307-401-8]	Source	lbs/hr	grains/dscf	Baghouse #1	2.5	0.01	Baghouse #2	1.63	0.01	Baghouse #3	1.83	0.01	Baghouse #4	2.39	0.01	Baghouse #5	1.63	0.01	Baghouse #6	1.85	0.01	Baghouse #8	1.63	0.01	Baghouse #9	1.07	0.005	Baghouse #10	0.29	0.005	Baghouse #11	0.29	0.005	Baghouse #13	1.63	0.005
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II.B.3.a.1	Compliance Demonstration To demonstrate compliance with the emission limitations above, the owner/operator shall perform stack testing on the emissions unit according to the stack testing conditions contained in this AO. [R307-165-2, R307-401-8]																																				
II.B.3.a.2	Initial Test The owner/operator shall conduct an initial stack test on the emission unit within 180 days after startup of the emission unit. This AO required the owner/operator to stack test Forming Baghouse #1 because it is directly controlling new machines. Collector Baghouse #5 and Collector Baghouse #8 are also required to stack test because additional emissions are being vented through these baghouses and need to be tested to ensure emissions limits are not exceeded. [R307-165-2]																																				
II.B.3.a.3	Test Frequency The owner/operator shall conduct a stack test on the emission unit within five (5) years after the date of the most recent stack test of the emission unit. The Director may require the owner/operator to perform a stack test at any time. [R307-401-8]																																				
II.B.3.a.4	Notification At least 30 days prior to conducting a stack test, the owner/operator shall submit a source test protocol to the Director. The source test protocol shall include the items contained in R307-165-3. If directed by the Director, the owner/operator shall attend a pretest conference. [R307-165-3, R307-401-8]																																				
II.B.3.a.5	Testing & Test Conditions The owner/operator shall conduct testing according to the approved source test protocol and according to the test conditions contained in R307-165-4. [R307-165-4, R307-401-8]																																				
II.B.3.a.6	Access The owner/operator shall provide Occupational Safety and Health Administration (OSHA)- or Mine Safety and Health Administration (MSHA)-approved access to the test location. [R307-401-8]																																				
II.B.3.a.7	Reporting No later than 60 days after completing a stack test, the owner/operator shall submit a written report of the results from the stack testing to the Director. The report shall include validated results and supporting information. [R307-165-5, R307-401-8]																																				

II.B.3.a.8	Possible Rejection of Test Results The Director may reject stack testing results if the test did not follow the approved source test protocol or for a reason specified in R307-165-6. [R307-165-6, R307-401-8]
II.B.3.b	Test Methods When performing stack testing, the owner/operator shall use the appropriate EPA-approved test methods as acceptable to the Director. Acceptable test methods for pollutants are listed below. [R307-401-8]
II.B.3.b.1	Standard Conditions A. Temperature - 68 degrees Fahrenheit (293 K). B. Pressure - 29.92 in Hg (101.3 kPa). C. Averaging Time - As specified in the applicable test method. [40 CFR 60 Subpart A, 40 CFR 63 Subpart A, R307-401-8]
II.B.3.b.2	PM₁₀ The following methods shall be used to measure filterable particulate emissions: 40 CFR 51, Appendix M, Method 201, Method 201A, or other EPA-approved testing methods, as acceptable to the Director. If other approved testing methods are used which cannot measure the PM₁₀ fraction of the filterable particulate emissions, all of the filterable particulate emissions shall be considered PM₁₀. The portion of the filterable particulate emissions considered PM₁₀ shall be based on information in Appendix B of the fifth edition of the EPA document, AP-42, or other data acceptable to the Director. The following methods shall be used to measure condensable particulate emissions: 40 CFR 51, Appendix M, Method 202, or other EPA-approved testing method, as acceptable to the Director. The condensable particulate emissions shall not be used for compliance demonstration but shall be used for inventory purposes. [R307-401-8]
II.B.4	Boiler, Heater, and Internal Combustion Engine Requirements.
II.B.4.a	The owner/operator shall use only natural gas as primary fuel and propane as a backup fuel in the heaters, boilers, and the emergency generator engines (except the fire pump engine). [R307-401-8]
II.B.4.b	The owner/operator shall only use diesel fuel (fuel oil #1, #2, or diesel fuel additives) in the fire pump engine. All diesel burned shall meet the requirements of 40 CFR 80.510(c). [40 CFR 63 Subpart ZZZZ]
II.B.4.c	To demonstrate compliance with the fuel oil requirements, the owner/operator shall keep and maintain fuel purchase invoices. The fuel purchase invoices shall indicate that the diesel fuel meets the ULSD requirements, or the owner/operator shall obtain certification of sulfur content from the fuel supplier. [40 CFR 63 Subpart ZZZZ]
II.B.4.d	The owner/operator shall not operate each internal combustion engine on site for more than 100 hours per rolling 12-month period during non-emergency situations. [R307-401-8]

II.B.4.d.1	To determine compliance with a rolling 12-month total, the owner/operator shall calculate a new 12-month total by the 20th day of each month using data from the previous 12 months. Records documenting the operation of each internal combustion engine shall be kept in a log and shall include the following: A. The date the internal combustion engine was used. B. The duration of operation in hours. C. The reason for the internal combustion engine usage. [R307-401-8]
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PERMIT HISTORY

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

Supersedes
Incorporates

AO DAQE-AN109190023-23 dated October 27, 2023
NOI dated September 13, 2024

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 ₂ e	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