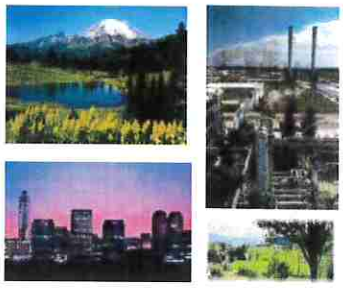


Universal Waste Systems, Inc.

Air Curtain Incinerator
Air Quality Construction Permit Application

Ruidoso Downs
Lincoln County, NM

COPY

March/April 2025

Prepared for:

Universal Waste Systems, Inc.
1096 Mercham Dr., Suite 103
Ruidoso, NM 87345

Prepared by:

Alliant Environmental, LLC
7804 Pan American Fwy. NE
Albuquerque, NM 87109

ALLIANT ENVIRONMENTAL, LLC

ALLIANT ENVIRONMENTAL, LLC

April 9, 2025

New Mexico Environmental Department
Air Quality Bureau, Minor Source Permit Section
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505-1816

RE: Universal Waste Systems, Inc.
Air Curtain Incinerator Facility near Ruidoso Downs, NM
Air Quality Construction Permit Application

Dear Ms. Romero:

On behalf of Universal Waste Systems, Inc., Alliant Environmental is submitting this minor source Air Quality Construction permit application to operate an Air Curtain Incinerator (ACI) near Ruidoso Downs, NM in Lincoln County. This facility is currently authorized to operate under the limited conditions under the Air Curtain Incinerator General Operating Permit (GOP). With this application, it is proposed to increase the GOP limited conditions as part of the ongoing Lincoln County Fire Disaster Response.

Also included with this submittal on the last page of the original hard copy submittal is a data CD with all information, emission calculations spreadsheet, modeling report, and a complete application in pdf format.

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (505) 205-4819 or by e-mail at mschluep@alliantenv.com.

Sincerely,

ALLIANT ENVIRONMENTAL, LLC

Martin R. Schluep
Principal

Alliant Environmental, LLC
7804 Pan American Fwy. NE, Suite 5
Albuquerque, NM 87109
505.205.4819 : Ph
www.alliantenv.com

Air Permit Application
Compliance History Disclosure Form

Pursuant to Subsection 74-2-7(S) of the New Mexico Air Quality Control Act ("AQCA"), NMSA §§ 74-2-1 to -17, the New Mexico Environment Department ("Department") may deny any permit application or revoke any permit issued pursuant to the AQCA if, within ten years immediately preceding the date of submission of the permit application, the applicant met any one of the criteria outlined below. In order for the Department to deem an air permit application administratively complete, or issue an air permit for those permits without an administrative completeness determination process, the applicant must complete this Compliance History Disclosure Form as specified in Subsection 74-2-7(P). An existing permit holder (permit issued prior to June 18, 2021) shall provide this Compliance History Disclosure Form to the Department upon request.

Permittee/Applicant Company Name		**Expected Application Submittal Date**
Universal Waste Systems, Inc.		March 31, 2025
Permittee/Company Contact	**Phone**	**Email**
Ernie Byers	(505) 629-3072	ByersErnie@gmail.com

	Within the 10 years preceding the expected date of submittal of the application, has the permittee or applicant:	
1	Knowingly misrepresented a material fact in an application for a permit?	☐ Yes ☒ No
2	Refused to disclose information required by the provisions of the New Mexico Air Quality Control Act?	☐ Yes ☒ No
3	Been convicted of a felony related to environmental crime in any court of any state or the United States?	☐ Yes ☒ No
4	Been convicted of a crime defined by state or federal statute as involving or being in restraint of trade, price fixing, bribery, or fraud in any court of any state or the United States?	☐ Yes ☒ No
5a	Constructed or operated any facility for which a permit was sought, including the current facility, without the required air quality permit(s) under 20.2.70 NMAC, 20.2.72 NMAC, 20.2.74 NMAC, 20.2.79 NMAC, or 20.2.84 NMAC?	☐ Yes ☒ No
5b	If "No" to question 5a, go to question 6. If "Yes" to question 5a, state whether each facility that was constructed or operated without the required air quality permit met at least one of the following exceptions: a. The unpermitted facility was discovered after acquisition during a timely environmental audit that was authorized by the Department; or b. The operator of the facility estimated that the facility's emissions would not require an air permit, **and** the operator applied for an air permit within 30 calendar days of discovering that an air permit was required for the facility.	☐ Yes ☐ No
6	Had any permit revoked or permanently suspended for cause under the environmental laws of any state or the United States?	☐ Yes ☒ No
7	For each "yes" answer, please provide an explanation and documentation.	

Mail Application To:		**For Department use only:**
New Mexico Environment Department Air Quality Bureau Permits Section 525 Camino de los Marquez, Suite 1 Santa Fe, New Mexico, 87505 Phone: (505) 476-4300 Fax: (505) 476-4375 www.env.nm.gov/aqb		

Universal Air Quality Permit Application

Use this application for NOI, NSR, or Title V sources.

Use this application for: the initial application, modifications, technical revisions, and renewals. For technical revisions, complete Sections, 1-A, 1-B, 2-E, 3, 9 and any other sections that are relevant to the requested action; coordination with the Air Quality Bureau permit staff prior to submittal is encouraged to clarify submittal requirements and to determine if more or less than these sections of the application are needed. Use this application for streamline permits as well.

This application is submitted as (check all that apply)**:** ☐ Request for a No Permit Required Determination (no fee)
☐ **Updating** an application currently under NMED review. Include this page and all pages that are being updated (no fee required).
Construction Status: ☑ Not Constructed ☐ Existing Permitted (or NOI) Facility ☑ Existing Non-permitted (or NOI) Facility
Minor Source: ☐ a NOI 20.2.73 NMAC ☑ 20.2.72 NMAC application or revision ☐ 20.2.72.300 NMAC Streamline application
Title V Source: ☐ Title V (new) ☐ Title V renewal ☐ TV minor mod. ☐ TV significant mod. TV Acid Rain: ☐ New ☐ Renewal
PSD Major Source: ☐ PSD major source (new) ☐ minor modification to a PSD source ☐ a PSD major modification

Acknowledgements:

☑ I acknowledge that a pre-application meeting is available to me upon request. ☐ Title V Operating, Title IV Acid Rain, and NPR applications have no fees.
☑ $500 NSR application Filing Fee enclosed OR ☐ The full permit fee associated with 10 fee points (required w/ streamline applications).
☑ Check No.: _____ in the amount of $500.00 Filing
☑ I acknowledge the required submittal format for the hard copy application is printed double sided 'head-to-toe', 2-hole punched (except the Sect. 2 landscape tables is printed 'head-to-head'), numbered tab separators. Incl. a copy of the check on a separate page.
☑ I acknowledge there is an annual fee for permits in addition to the permit review fee: www.env.nm.gov/air-quality/permit-fees-2/.
☐ This facility qualifies for the small business fee reduction per 20.2.75.11.C. NMAC. The full $500.00 filing fee is included with this application and I understand the fee reduction will be calculated in the balance due invoice. The Small Business Certification Form has been previously submitted or is included with this application. (Small Business Environmental Assistance Program Information: www.env.nm.gov/air-quality/small-biz-eap-2/.)

Citation: Please provide the **low level citation** under which this application is being submitted: **20.2.72.200.A NMAC**
(e.g. application for a new minor source would be 20.2.72.200.A NMAC, one example for a Technical Permit Revision is 20.2.72.219.B.1.b NMAC, a Title V acid rain application would be: 20.2.70.200.C NMAC)

Section 1 – Facility Information

Section 1-A: Company Information

		AI # if known (see 1st 3 to 5 #s of permit IDEA ID No.):	Updating Permit/NOI #:
1	Facility Name: UWS Air Curtain Incinerator Facility	Plant primary SIC Code (4 digits): 4953 Plant NAIC code (6 digits): 562213	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): 26440 US 70, Ruidoso Downs, NM 88346		
2	Plant Operator Company Name: Universal Waste Systems, Inc.	Phone/Fax: (575) 378-1091	
a	Plant Operator Address: 1096 Mecham Dr., Suite 103, Ruidoso, NM 88345		
b	Plant Operator's New Mexico Corporate ID or Tax ID: 03-394506-003		

Section 1-D: Facility Location Information

1	Section: 21	Range: 14 E	Township: 11 S	County: Lincoln	Elevation (ft): 6382
2	UTM Zone: ☐ 12 or ☑ 13			Datum: ☐ NAD 27 ☑ NAD 83 ☐ WGS 84	
a	UTM E (in meters, to nearest 10 meters): 446,549.0			UTM N (in meters, to nearest 10 meters): 3,689,212.0	
b	**AND** Latitude (deg., min., sec.): 33deg 20min 26.75sec			Longitude (deg., min., sec.): 105deg 34min 27.82sec	
3	Name and zip code of nearest New Mexico town: Ruidoso Downs, NM 88345				
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): From Ruidoso Downs take US70 north for 1.9 miles. The facility is located to the east of US70				
5	The facility is 1.9 (distance) miles north-east (direction) of Ruidoso Downs, NM (nearest town).				
6	Status of land at facility (check one): ☑ Private ☐ Indian/Pueblo ☐ Federal BLM ☐ Federal Forest Service ☐ Other (specify)				
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: City of Ruidoso Downs; City of Ruidoso, NM; Mescalero Apache Tribe				
8	**20.2.72** NMAC applications **only**: Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see www.env.nm.gov/air-quality/modeling-publications/)? ☐ Yes ☐ No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers:				
9	Name nearest Class I area: White Mountain Wilderness				
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): 13.50 km				
11	Distance (meters) from the perimeter of the Area of Operations (AO is defined as the plant site inclusive of all disturbed lands, including mining overburden removal areas) to nearest residence, school or occupied structure: 187 m				
12	Method(s) used to delineate the Restricted Area: Fencing "**Restricted Area**" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.				
13	Does the owner/operator intend to operate this source as a portable stationary source as defined in 20.2.72.7.X NMAC? ☑ Yes ☐ No A portable stationary source is not a mobile source, such as an automobile, but a source that can be installed permanently at one location or that can be re-installed at various locations, such as a hot mix asphalt plant that is moved to different job sites.				
14	Will this facility operate in conjunction with other air regulated parties on the same property? ☑ No ☐ Yes If yes, what is the name and permit number (if known) of the other facility?				

Section 1-E: Proposed Operating Schedule (The 1-E.1 & 1-E.2 operating schedules may become conditions in the permit.)

1	Facility **maximum** operating ($\frac{\text{hours}}{\text{day}}$): 23	($\frac{\text{days}}{\text{week}}$): 7	($\frac{\text{weeks}}{\text{year}}$): 52	($\frac{\text{hours}}{\text{year}}$): 8,395		
2	Facility's maximum daily operating schedule (if less than 24 $\frac{\text{hours}}{\text{day}}$)? Start: 07:00	☒AM ☐PM	End: 06:00	☒AM ☐PM		
3	Month and year of anticipated start of construction: October 2024 (authorized per GOP for ACI application)					
4	Month and year of anticipated construction completion: October 2024 (authorized per GOP for ACI application)					
5	Month and year of anticipated startup of new or modified facility: October 2024 (Per notification sent to NMED AQB 10/28/2024)					
6	Will this facility operate at this site for more than one year? ☑ Yes ☐ No					

Section 1-F: Other Facility Information

1	Are there any current Notice of Violations (NOV), compliance orders, or any other compliance or enforcement issues related to this facility? ☐ Yes ☑ No If yes, specify:

Section 1-I – Submittal Requirements

Each 20.2.73 NMAC (**NOI**), a 20.2.70 NMAC (**Title V**), a 20.2.72 NMAC (**NSR** minor source), or 20.2.74 NMAC (**PSD**) application package shall consist of the following:

Hard Copy Submittal Requirements:

1) One hard copy **original signed and notarized application package** **printed double sided** **'head-to-toe'** **2-hole punched** as we bind the document on top, not on the side; except Section 2 (landscape tables), which should be head-to-head. Please use **numbered tab separators** in the hard copy submittal(s) as this facilitates the review process. For NOI submittals only, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required. Please include a copy of the check on a separate page.

2) If the application is for a minor NSR, PSD, NNSR, or Title V application, include one working hard **copy** for Department use. This copy should be printed in book form, 3-hole punched, and **must be double sided**. Note that this is in addition to the head-to-to 2-hole punched copy required in 1) above. Minor NSR Technical Permit revisions (20.2.72.219.B NMAC) only need to fill out Sections 1-A, 1-B, 3, and should fill out those portions of other Section(s) relevant to the technical permit revision. TV Minor Modifications need only fill out Sections 1-A, 1-B, 1-H, 3, and those portions of other Section(s) relevant to the minor modification. NMED may require additional portions of the application to be submitted, as needed.

3) The entire NOI or Permit application package, including the full modeling study, should be submitted electronically. Electronic files for applications for NOIs, any type of General Construction Permit (GCP), or technical revisions to NSRs must be submitted with compact disk (CD) or digital versatile disc (DVD). For these permit application submittals, two CD copies are required (in sleeves, not crystal cases, please), with additional CD copies as specified below. NOI applications require only a single CD submittal. Electronic files for other New Source Review (construction) permits/permit modifications or Title V permits/permit modifications can be submitted on CD/DVD or sent through AQB's secure file transfer service.

Electronic files sent by (check one):

☑ CD/DVD attached to paper application

☐ secure electronic transfer. Air Permit Contact Name_____, Email_____ Phone number _____.

a. If the file transfer service is chosen by the applicant, after receipt of the application, the Bureau will email the applicant with instructions for submitting the electronic files through a secure file transfer service. Submission of the electronic files through the file transfer service needs to be completed within 3 business days after the invitation is received, so the applicant should ensure that the files are ready when sending the hard copy of the application. The applicant will not need a password to complete the transfer. **Do not use the file transfer service for NOIs, any type of GCP, or technical revisions to NSR permits.**

4) Optionally, the applicant may submit the files with the application on compact disk (CD) or digital versatile disc (DVD) following the instructions above and the instructions in 5 for applications subject to PSD review.

5) If **air dispersion modeling** is required by the application type, include the **NMED Modeling Waiver** and/or electronic air dispersion modeling report, input, and output files. The dispersion modeling ***summary report only*** should be submitted as hard copy(ies) unless otherwise indicated by the Bureau.

6) If the applicant submits the electronic files on CD and the application is subject to PSD review under 20.2.74 NMAC (PSD) or NNSR under 20.2.79 NMC include,
   a. one additional CD copy for US EPA,
   b. one additional CD copy for each federal land manager affected (NPS, USFS, FWS, USDI) and,
   c. one additional CD copy for each affected regulatory agency other than the Air Quality Bureau.

   If the application is submitted electronically through the secure file transfer service, these extra CDs do not need to be submitted.

Electronic Submittal Requirements [in addition to the required hard copy(ies)]:

1) All required electronic documents shall be submitted as 2 separate CDs or submitted through the AQB secure file transfer service. Submit a single PDF document of the entire application as submitted and the individual documents comprising the application.

2) The documents should also be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the text and formulas in the documents (copy & paste). Any documents that cannot be submitted in a Microsoft Office compatible format shall be saved as a PDF file from within the electronic document that created the file. If you are unable to provide Microsoft office compatible electronic files or internally generated PDF files of files (items that were not created electronically: i.e. brochures, maps, graphics, etc,), submit these items in hard copy format. We must be able to review the formulas and inputs

Table 2-A: Regulated Emission Sources

Unit and stack numbering must correspond throughout the application package. If applying for a NOI under 20.2.73 NMAC, equipment exemptions under 2.72.202 NMAC do not apply.

Unit Number[1]	Source Description	Make	Model #	Serial #	Manufacturer's Rated Capacity[3] (Specify Units)	Requested Permitted Capacity[3] (Specify Units)	Date of Manufacture[2] Date of Construction/ Reconstruction[2]	Controlled by Unit # Emissions vented to Stack #	Source Classification Code (SCC)	For Each Piece of Equipment, Check One	RICE Ignition Type (CI, SI, 4SLB, 4SRB, 2SLB)[4]	Replacing Unit No.
1	Air Curtain Incinerator	Air Burners, Inc.	S223	SP3FDN24588	9 tons/hr	9 tons/hr	2024 2024	N/A 1	2602000000	x Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
2	Diesel Engine	HATZ	4H50TIC	1362224012278	74.5 hp	74.5 hp	2024 2024	N/A 2	20200102	x Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced	CI	
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		
										☐ Existing (unchanged) ☐ To be Removed ☐ New/Additional ☐ Replacement Unit ☐ To Be Modified ☐ To be Replaced		

[1] Unit numbers must correspond to unit numbers in the previous permit unless a complete cross reference table of all units in both permits is provided.
[2] Specify dates required to determine regulatory applicability.
[3] To properly account for power conversion efficiencies, generator set rated capacity shall be reported as the rated capacity of the engine in horsepower, not the kilowatt capacity of the generator set.
[4] "4SLB" means four stroke lean burn engine, "4SRB" means four stroke rich burn engine, "2SLB" means two stroke lean burn engine, "CI" means compression ignition, and "SI" means spark ignition

Table 2-C: Emissions Control Equipment

Unit and stack numbering must correspond throughout the application package. Only list control equipment for TAPs if the TAP's maximum uncontrolled emissions rate is over its respective threshold as listed in 20.2.72 NMAC, Subpart V, Tables A and B. In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all control devices and list each pollutant controlled by the control device regardless if the applicant takes credit for the reduction in emissions.

Control Equipment Unit No.	Control Equipment Description	Date Installed	Controlled Pollutant(s)	Controlling Emissions for Unit Number(s)[1]	Efficiency (% Control by Weight)	Method used to Estimate Efficiency

[1] List each control device on a separate line. For each control device, list all emission units controlled by the control device.

Table 2-E: Requested Allowable Emissions

Unit & stack numbering must be consistent throughout the application package. Fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected. Numbers shall be expressed to at least 2 decimal points (e.g. 0.41, 1.41, or 1.41E-4).

Unit No.	NOx		CO		VOC		SOx		PM[1]		PM10[1]		PM2.5[1]		H_2S		Lead	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
1	9.00	36.14	23.40	93.95	8.10	32.52	0.90	3.61	11.7	46.98	5.85	23.49	5.85	23.49				
2	0.49	1.97	0.55	2.21	0.03	0.10	0.14	0.55	0.006	0.02	0.003	0.01	0.003	0.01				
Totals	9.49	38.11	23.95	96.16	8.13	32.62	1.04	4.16	11.71	47.00	5.85	23.50	5.85	23.50				

[1] **Condensable Particulate Matter:** Include condensable particulate matter emissions for PM10 and PM2.5 if the source is a combustion source. Do not include condensable particulate matter for PM unless PM is set equal to PM10 and PM2.5. Particulate matter (PM) is not subject to an ambient air quality standard, but it is a regulated air pollutant under PSD (20.2.74 NMAC) and Title V (20.2.70 NMAC).

Table 2-G: Stack Exit and Fugitive Emission Rates for Special Stacks

x I have elected to leave this table blank because this facility does not have any stacks/vents that split emissions from a single source or combine emissions from more than one source listed in table 2-A. Additionally, the emission rates of all stacks match the Requested allowable emission rates stated in Table 2-E.

Use this table to list stack emissions (requested allowable) from split and combined stacks. List Toxic Air Pollutants (TAPs) and Hazardous Air Pollutants (HAPs) in Table 2-I. List all fugitives that are associated with the normal, routine, and non-emergency operation of the facility. Unit and stack numbering must correspond throughout the application package. Refer to Table 2-E for instructions on use of the "-" symbol and on significant figures.

Stack No.	Serving Unit Number(s) from Table 2-A	NOx		CO		VOC		SOx		PM		PM10		PM2.5		□ H_2S or □ Lead	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Totals:																	

Table 2-I: Stack Exit and Fugitive Emission Rates for HAPs and TAPs

In the table below, report the Potential to Emit for each HAP from each regulated emission unit listed in Table 2-A, only if the entire facility emits the HAP at a rate greater than or equal to one (1) ton per year For each such emission unit, HAPs shall be reported to the nearest 0.1 tpy. Each facility-wide Individual HAP total and the facility-wide Total HAPs shall be the sum of all HAP sources calculated to the nearest 0.1 ton per year. Per 20.2.72.403.A.1 NMAC, facilities not exempt [see 20.2.72.402.C NMAC] from TAP permitting shall report each TAP that has an uncontrolled emission rate in excess of its pounds per hour screening level specified in 20.2.72.502 NMAC. TAPs shall be reported using one more significant figure than the number of significant figures shown in the pound per hour threshold corresponding to the substance. Use the HAP nomenclature as it appears in Section 112 (b) of the 1990 CAAA and the TAP nomenclature as it listed in 20.2.72.502 NMAC. Include tank-flashing emissions estimates of HAPs in this table. For each HAP or TAP listed, fill all cells in this table with the emission numbers or a "-" symbol. A "-" symbol indicates that emissions of this pollutant are not expected or the pollutant is emitted in a quantity less than the threshold amounts described above.

Stack No.	Unit No.(s)	Total HAPs		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP		Provide Pollutant Name Here ☐ HAP or ☐ TAP	
		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
2A	2	0.001	0.004																
Totals:		0.001	0.004																

Table 2-K: Liquid Data for Tanks Listed in Table 2-L

For each tank, list the liquid(s) to be stored in each tank. If it is expected that a tank may store a variety of hydrocarbon liquids, enter "mixed hydrocarbons" in the Composition column for that tank and enter the corresponding data of the most volatile liquid to be stored in the tank. If tank is to be used for storage of different materials, list all the materials in the "All Calculations" attachment, run the newest version of TANKS on each, and use the material with the highest emission rate to determine maximum uncontrolled and requested allowable emissions rate. The permit will specify the most volatile category of liquids that may be stored in each tank. Include appropriate tank-flashing modeling input data. Use additional sheets if necessary. Unit and stack numbering must correspond throughout the application package.

Tank No.	SCC Code	Material Name	Composition	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb*mol)	Average Storage Conditions		Max Storage Conditions	
						Temperature (°F)	True Vapor Pressure (psia)	Temperature (°F)	True Vapor Pressure (psia)
N/A									

Table 2-L2: Liquid Storage Tank Data Codes Reference Table

Roof Type	Seal Type, Welded Tank Seal Type		Seal Type, Riveted Tank Seal Type		Roof, Shell Color	Paint Condition
FX: Fixed Roof	**Mechanical Shoe Seal**	**Liquid-mounted resilient seal**	**Vapor-mounted resilient seal**	**Seal Type**	**WH**: White	Good
IF: Internal Floating Roof	**A**: Primary only	**A**: Primary only	**A**: Primary only	**A**: Mechanical shoe, primary only	**AS**: Aluminum (specular)	Poor
EF: External Floating Roof	**B**: Shoe-mounted secondary	**B**: Weather shield	**B**: Weather shield	**B**: Shoe-mounted secondary	**AD**: Aluminum (diffuse)	
P: Pressure	**C**: Rim-mounted secondary	**C**: Rim-mounted secondary	**C**: Rim-mounted secondary	**C**: Rim-mounted secondary	**LG**: Light Gray	
					MG: Medium Gray	
					BL: Black	
					OT: Other (specify)	

Note: 1.00 bbl = 0.159 M^3 = 42.0 gal

Table 2-M: Materials Processed and Produced (Use additional sheets as necessary.)

Material Processed				Material Produced			
Description	**Chemical Composition**	**Phase (Gas, Liquid, or Solid)**	**Quantity (specify units)**	**Description**	**Chemical Composition**	**Phase**	**Quantity (specify units)**
N/A							

Table 2-O: Parametric Emissions Measurement Equipment

Unit and stack numbering must correspond throughout the application package. Use additional sheets if necessary.

Unit No.	Parameter/Pollutant Measured	Location of Measurement	Unit of Measure	Acceptable Range	Frequency of Maintenance	Nature of Maintenance	Method of Recording	Averaging Time
N/A								

Section 3

Application Summary

The **Application Summary** shall include a brief description of the facility and its process, the type of permit application, the applicable regulation (i.e. 20.2.72.200.A.X, or 20.2.73 NMAC) under which the application is being submitted, and any air quality permit numbers associated with this site. If this facility is to be collocated with another facility, provide details of the other facility including permit number(s). In case of a revision or modification to a facility, provide the lowest level regulatory citation (i.e. 20.2.72.219.B.1.d NMAC) under which the revision or modification is being requested. Also describe the proposed changes from the original permit, how the proposed modification will affect the facility's operations and emissions, de-bottlenecking impacts, and changes to the facility's major/minor status (both PSD & Title V).

The **Process Summary** shall include a brief description of the facility and its processes.

Startup, Shutdown, and Maintenance (SSM) routine or predictable emissions: Provide an overview of how SSM emissions are accounted for in this application. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions.

Universal Waste Systems, Inc. (UWS) operates a composting facility located at 26440 US 70, Ruidoso Downs, NM 88346. The facility is actively involved with the Lincoln County Fire Disaster Response which requires the installation and operation of an Air Curtain Incinerator (ACI). A pile of any combination of clean lumber, wood waste, and yard waste is loaded into the ACI and is ignited. Within 30 minutes, the fire is strong and the air curtain is engaged. The air curtain runs continuously during steady state operation, and the material is loaded at a rate consistent with the rate of burn. The maximum throughput for the S223 ACI located at this site is 9 tons per hour. The ACI can burn for a maximum of 22 hours. One hours is needed to cool off the unit and one hour to remove ashes from the chamber. This equals a maximum of 207 tons per day wood waste burned. Air pollutants and ash waste are products of this process.

The ACI will be used to burn only wood waste (clean/untreated).

Wood waste means untreated wood and untreated wood products, including tree stumps, burned trees from the Lincoln County wildfire, tree limbs, trees, bark, sawdust, chips, scraps, slabs, millings, and shavings. Wood waste does not include:

1. Grass, grass clippings, bushes, shrubs, and clippings from bushes and shrubs from residential, commercial/retail, institutional, or industrial sources as part of maintaining yards or other private or public lands.
2. Construction, renovation, or demolition wastes.
3. Clean lumber.
4. Treated wood and treated wood products, including wood products that have been painted, pigment-stained, or pressure treated by compounds such as chromate copper arsenate, pentachlorophenol, and creosote, or manufactured wood products that contain adhesives or resins (plywood, particle board, and oriented strand board).

Emissions associated with start-up, shutdown or maintenance do not differ from emissions associated with normal operation.

This unit currently operates according to NMED's GOP for ACIs. A GOP for ACIs application was submitted to NMED on 10/23/2024 and a start of operation form was submitted on 10/28/2024.

Section 5

Plot Plan Drawn To Scale

A **plot plan drawn to scale** showing emissions points, roads, structures, tanks, and fences of property owned, leased, or under direct control of the applicant. This plot plan must clearly designate the restricted area as defined in UA1, Section 1-D.12. The unit numbering system should be consistent throughout this application.

See Section 8 for facility lay-out.

Section 6.a

Green House Gas Emissions

(Submitting under 20.2.70, 20.2.72 20.2.74 NMAC)

Title V (20.2.70 NMAC), Minor NSR (20.2.72 NMAC), and PSD (20.2.74 NMAC) applicants must estimate and report greenhouse gas (GHG) emissions to verify the emission rates reported in the public notice, determine applicability to 40 CFR 60 Subparts, and to evaluate Prevention of Significant Deterioration (PSD) applicability. GHG emissions that are subject to air permit regulations consist of the sum of an aggregate group of these six greenhouse gases: carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).

Calculating GHG Emissions:

1. Calculate the ton per year (tpy) GHG mass emissions and GHG CO_2e emissions from your facility.
2. GHG mass emissions are the sum of the total annual tons of greenhouse gases without adjusting with the global warming potentials (GWPs). GHG CO_2e emissions are the sum of the mass emissions of each individual GHG multiplied by its GWP found in Table A-1 in 40 CFR 98 Mandatory Greenhouse Gas Reporting.
3. Emissions from routine or predictable start up, shut down, and maintenance must be included.
4. Report GHG mass and GHG CO_2e emissions in Table 2-P of this application. Emissions are reported in **short** tons per year and represent each emission unit's Potential to Emit (PTE).
5. All Title V major sources, PSD major sources, and all power plants, whether major or not, must calculate and report GHG mass and CO2e emissions for each unit in Table 2-P.
6. For minor source facilities that are not power plants, are not Title V, and are not PSD there are three options for reporting GHGs in Table 2-P: 1) report GHGs for each individual piece of equipment; 2) report all GHGs from a group of unit types, for example report all combustion source GHGs as a single unit and all venting GHGs as a second separate unit; 3) or check the following ☐ By checking this box, the applicant acknowledges the total CO2e emissions are less than 75,000 tons per year.

Sources for Calculating GHG Emissions:

- Manufacturer's Data
- AP-42 Compilation of Air Pollutant Emission Factors at http://www.epa.gov/ttn/chief/ap42/index.html
- EPA's Internet emission factor database WebFIRE at http://cfpub.epa.gov/webfire/
- 40 CFR 98 Mandatory Green House Gas Reporting except that tons should be reported in short tons rather than in metric tons for the purpose of PSD applicability.
- API Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry. August 2009 or most recent version.
- Sources listed on EPA's NSR Resources for Estimating GHG Emissions at http://www.epa.gov/nsr/clean-air-act-permitting-greenhouse-gases:

Global Warming Potentials (GWP):
Applicants must use the Global Warming Potentials codified in Table A-1 of the most recent version of 40 CFR 98 Mandatory Greenhouse Gas Reporting. The GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to that of one unit mass of CO_2 over a specified time period.

"Greenhouse gas" for the purpose of air permit regulations is defined as the aggregate group of the following six gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. **(20.2.70.7 NMAC, 20.2.74.7 NMAC).** You may also find GHGs defined in 40 CFR 86.1818-12(a).

Metric to Short Ton Conversion:
Short tons for GHGs and other regulated pollutants are the standard unit of measure for PSD and title V permitting programs. 40 CFR 98 Mandatory Greenhouse Reporting requires metric tons.
1 metric ton = 1.10231 short tons (per Table A-2 to Subpart A of Part 98 – Units of Measure Conversions)

AirBurners
4390 SW Cargo Way, Palm City, FL 34990

Vers. 8.1
200 SERIES
4-CYL Engine

CRITERIA POLLUTANS FOR AIR CURTAIN BURNERS
FireBox Emissions Factors
(Combustion Process + Diesel Engine Emissions)
Feedstock: Wood Waste (Clean/Untreated)

Prepared for: **Universal Waste Systems, Inc.**

Model S 223

	EQUIPMENT			OPERATION
	Model	Diesel Engine Tier 4	Throughput t/hr	hr/day
S	223	HATZ 4H50	9	22

Ash cleanout after 22 hours of continuouse use

Unit No. 1

REFERENCE FACTORS FROM SJV CALIFORNIA (Max. Allowed EF)

PM10 lbs./t	Nox lbs./t	Sox lbs./t	CO lbs./t	VOC lbs./t
1.30	1.00	0.10	2.60	0.90

The Emissions Factors above are the San Joaquin Valley, California, established thresholds for the FireBox Series 300 used there as an accepted baseline. They are easily achievable by all ACI designs of Air Burners, Inc. and the actual emissions are considerably lower.

PROJECTED EMISSIONS
Emissions in lbs. per hr of Wood Waste

PM2.5/10 lbs./hr	NOx lbs./hr	SOx lbs./hr	CO lbs./hr	VOC lbs./hr
5.85	9.00	0.90	23.40	8.10

Use ratio 50 : 50 for PM10 : PM2.5 if needed

PROJECTED EMISSIONS
Emissions Released in lbs. per Day

PM2.5/10 lbs./d	NOx lbs./d	SOx lbs./d	CO lbs./d	VOC lbs./d
128.70	198.00	19.80	514.80	178.20

PROJECTED EMISSIONS *
Emissions Released in Tons per Year

PM10 t/yr	NOx t/yr	SOx t/yr	CO t/yr	VOC t/yr
23.49	36.14	3.61	93.95	32.52

*Year = 365 Work Days

Engine Emissions
lbs. per hour

	NOx	PM10	CO	VOC	SO2	HP
4H50	0.49	0.003	0.55	0.03	0.14	74.5

Controlled Annual Engine Emissions
tons per year*

	NOx	PM10	CO	VOC	SO2	HP
4H50	1.97	0.013	2.21	0.10	0.55	74.5

NOTE: The emissions data in the chart is only applicable to the air curtain burner designs of Air Burners, Inc.

Overall Total Projected Emissions per Day
lbs. per day

	NOx	PM	CO	VOC	SOx	
4H50	198.49	128.70	515.35	178.23	19.80	

Overall Total Projected Emissions per Year*
tons per year

	NOx	PM	CO	VOC	SOx	PM10	PM2.5
4H50	38.11	23.50	96.16	32.63	4.16	11.76	11.76

Annual Feedstock (tons)
75,555

Unit No.	**2**
Source Description:	Four Cylinder Turbo Diesel Engine
Manufacturer:	HATZ
Model:	4H50TIC
SN:	TBD
Manufacture Date:	2023
Elevation (ft):	6382

Specifications

RPM	1800	rpm				4882 ft	
Site horsepower (hp)	67	hp	Derated from	74.5	hp	3% per 1000 ft above 1500 ft	
kW	50	kW				3382	10 %
Fuel consumption	2.00	gal/hr (manufacturer data)				1000	3 %
Fuel Density:	7.0	lb/gal					
Fuel Heat Value:	19300	Btu/lb					
Fuel Heat Value:	0.14	MMBtu/gal					
Heat Input:	0.27	MMBtu/hr					
BSFC	4037	Btu/hp-hr					

Uncontrolled Emission Calculations

NO_x	CO	VOC	SO_2	PM_{10} [1]	$PM_{2.5}$ [2]	Formaldehyde	CO_2	Units	Comments
4.47	5.00	0.24		0.03	0.03			g/kW-hr	EPA Tier 4 Standard
			0.00205				1.15	lb/hp-hr	AP-42 Table 3.3-1
						0.00118		lb/MMBtu	AP-42 Table 3.3-2
0.49	**0.55**	**0.03**	**0.14**	**0.003**	**0.003**	**0.0003**	**77**	lb/hr	Calculated hourly emission rate
2.15	**2.41**	**0.11**	**0.60**	**0.01**	**0.01**	**0.001**	**337**	tpy	Annual emission rate (hrs/yr) = **8760**
Controlled Emission Calculations based on 22 hours per day run time									
1.97	**2.21**	**0.10**	**0.55**	**0.01**	**0.01**	**0.001**	**309**	tpy	Annual emission rate (hrs/yr) = **8030**

NOTE: NOx to VOC split per BAAQMD. NOx is 95% of the sum of NMHC + NOx

HAP Emission Calculations

Hazardous Air Pollutants (HAP)	Emission Factor	lb/hr	Uncontrolled tpy	Controlled tpy
Acetaldehyde	7.67E-04 lbs/MMBtu	**0.0002**	**0.0009**	**0.001**
Acrolein	9.25E-05 lbs/MMBtu	**0.00002**	**0.0001**	**0.0001**
Benzene	9.33E-04 lbs/MMBtu	**0.0003**	**0.0011**	**0.001**
1,3-Butadiene	3.91E-05 lbs/MMBtu	**0.00001**	**0.00005**	**0.00004**
Formaldehyde	1.18E-03 lbs/MMBtu	**0.0003**	**0.0014**	**0.001**
Toluene	4.09E-04 lbs/MMBtu	**0.0001**	**0.0005**	**0.0004**
Naphthalene	8.48E-05 lbs/MMBtu	**0.00002**	**0.0001**	**0.0001**
Xylenes	2.85E-04 lbs/MMBtu	**0.0001**	**0.0003**	**0.0003**
	HAP TOTALS	**0.001**	**0.004**	**0.004**

NOTES:

Emission Factors from EPA AP-42, Table 3.3-2 Specified Organic Compound Emission Factors for Uncontrolled Diesel Engines (October, 1996) for HAPs.

AirBurners

S223

FIREBOX SPECIFICATIONS

MADE IN THE USA

General: A self-contained above ground Air Curtain Burner (FireBox or air curtain incinerator) with a refractory lined burn-container for portable and stationary applications. Designed for the environmentally friendly high temperature reduction of clean wood waste in forestry, agriculture, land clearing, at landfills, transfer stations, etc. in compliance with the requirements of US EPA 40CFR60.

Shipped from the factory completely assembled ready for immediate use and does not require disassembly for relocation. The FireBox is also used for disaster recovery and Department of Homeland Security (FEMA) contingencies. Electrically powered FireBox (S223E) also available.

1	Power	Four-cylinder 74 hp Turbo Diesel Engine, HATZ 4H50TIC or equivalent engine; Does not require DEF; Emissions certified U.S. EPA Tier 4F; Engine mounted fluid coupling (automatic clutch); Option: Three-cylinder 49 hp Turbo Diesel Engine, HATZ 3H50TIC.	
2	Burn Container (FireBox)	4 in. (102 mm) thick refractory wall panels filled with proprietary thermal ceramic material; Two full height refractory rear doors; Two ignition holes; Firebox open to the ground.	
3	Safety Systems	Engine over temperature shut down; Loss of cooling fluid shutdown; Loss of oil pressure shutdown; Front deck security enclosure.	
4	Instrument Panel	MBW electronic engine control with preset throttle settings: key switch, tachometer, hour meter, fuel gauge, oil pressure and water temperature and safety shutdown features.	
5	Air Supply	Custom heavy duty air fan.	
6	Fuel Tank	58 gal. (220 L) minimum fuel tank capacity.	
7	Transportation & Set-up	Shipped completely assembled; Ready for immediate use; Lifting pads provided for crane lifting; Unit can be dragged onsite on its skids.	
8	Options	Ash clean-out rake with standard universal quick disconnect for *Skidsteer* or *Bobcat*.	
9	Average Through-put	7-9 t/hr. (Average – See Note).	
10	Fuel Consumption	Approx. 2 gal./hr. (7.6 L/hr.) Ultra-low sulfur (ULSD) Diesel fuel (ULSD).	
11	Weight	40,350 lb. (18,300 kg)	
12	Dimensions	Overall Size L × W × H	Fire Box L × W × H
		33' 3" × 8' 6" × 8' 6" (10.2 m × 2.6 m × 2.6 m)	22' 11" × 6' 2" × 7' 1" (7 m × 1.9 m × 2.2 m)

Note: Achievable through-put depends on several variables, especially the nature of the wood waste feedstock, the firebox temperature and the loading rate. All weights and dimensions are approximate and metric conversions are rounded. Specifications are subject to change without notice. The FireBox is offered for the reduction of clean wood waste. For detailed operating instructions and safety precautions, refer to the S200 Operating Manual.

GSA

AIR BURNERS, INC.
4390 SW Cargo Way • Palm City, FL 34990
Phone 772-220-7303
E-mail: info@airburners.com • www.AirBurners.com

Rev. 02.27.2024

Nonroad Compression-Ignition Engines: Exhaust Emission Standards

	Rated Power (kW)	Tier	Model Year	NMHC (g/kW-hr)	NMHC + NOx (g/kW-hr)	NOx (g/kW-hr)	PM (g/kW-hr)	CO (g/kW-hr)	Smoke [a] (Percentage)	Useful Life (hours /years) [b]	Warranty Period (hours /years) [b]
Federal	kW < 8	1	2000-2004	-	10.5	-	1.0	8.0	20/15/50	3,000/5	1,500/2
		2	2005-2007	-	7.5	-	0.80	8.0			
		4	2008+	-	7.5	-	0.40 [c]	8.0			
	8 ≤ kW < 19	1	2000-2004	-	9.5	-	0.80	6.6		3,000/5	1,500/2
		2	2005-2007	-	7.5	-	0.80	6.6			
		4	2008+	-	7.5	-	0.40	6.6			
	19 ≤ kW < 37	1	1999-2003	-	9.5	-	0.80	5.5		5,000/7 [d]	3,000/5 [e]
		2	2004-2007	-	7.5	-	0.60	5.5			
		4	2008-2012	-	7.5	-	0.30	5.5			
			2013+	-	4.7	-	0.03	5.5			
	37 ≤ kW < 56	1	1998-2003	-	-	9.2	-	-		8,000/10	3,000/5
		2	2004-2007	-	7.5	-	0.40	5.0			
		3 [f]	2008-2011	-	4.7	-	0.40	5.0			
		4 (Option 1) [g]	2008-2012	-	4.7	-	0.30	5.0			
		4 (Option 2) [g]	2012	-	4.7	-	0.03	5.0			
		4	2013+	-	4.7	-	0.03	5.0			
	56 ≤ kW < 75	1	1998-2003	-	-	9.2	-	-			
		2	2004-2007	-	7.5	-	0.40	5.0			
		3	2008-2011	-	4.7	-	0.40	5.0			
		4	2012-2013 [h]	-	4.7	-	0.02	5.0			
			2014+ [i]	0.19	-	0.40	0.02	5.0			
	75 ≤ kW < 130	1	1997-2002	-	-	9.2	-	-			
		2	2003-2006	-	6.6	-	0.30	5.0			
		3	2007-2011	-	4.0	-	0.30	5.0			
		4	2012-2013 [h]	-	4.0	-	0.02	5.0			
			2014+	0.19	-	0.40	0.02	5.0			

Continued

Notes:

- For Tier 1, 2, and 3 standards, exhaust emissions of nitrogen oxides (NOx), carbon monoxide (CO), hydrocarbons (HC), and non-methane hydrocarbons (NMHC) are measured using the procedures in 40 Code of Federal Regulations (CFR) Part 89 Subpart E. For Tier 1, 2, and 3 standards, particulate matter (PM) exhaust emissions are measured using the California Regulations for New 1996 and Later Heavy-Duty Off-Road Diesel Cycle Engines.
- For Tier 4 standards, engines are tested for transient and steady-state exhaust emissions using the procedures in 40 CFR Part 1039 Subpart F. Transient standards do not apply to engines below 37 kilowatts (kW) before the 2013 model year, constant-speed engines, engines certified to Option 1, and engines above 560 kW.
- Tier 2 and later model naturally aspirated nonroad engines shall not discharge crankcase emissions into the atmosphere unless these emissions are permanently routed into the exhaust. This prohibition does not apply to engines using turbochargers, pumps, blowers, or superchargers.
- In lieu of the Tier 1, 2, and 3 standards for NOX, NMHC + NOX, and PM, manufacturers may elect to participate in the averaging, banking, and trading (ABT) program described in 40 CFR Part 89 Subpart C.

a Smoke emissions may not exceed 20 percent during the acceleration mode, 15 percent during the lugging mode, and 50 percent during the peaks in either mode. Smoke emission standards do not apply to single-cylinder engines, constant-speed engines, or engines certified to a PM emission standard of 0.07 grams per kilowatt-hour (g/kW-hr) or lower. Smoke emissions are measured using procedures in 40 CFR Part 86 Subpart I.

b Useful life and warranty period are expressed hours and years, whichever comes first.

c Hand-startable air-cooled direct injection engines may optionally meet a PM standard of 0.60 g/kW-hr. These engines may optionally meet Tier 2 standards through the 2009 model years. In 2010 these engines are required to meet a PM standard of 0.60 g/kW-hr.

d Useful life for constant speed engines with rated speed 3,000 revolutions per minute (rpm) or higher is 5 years or 3,000 hours, whichever comes first.

e Warranty period for constant speed engines with rated speed 3,000 rpm or higher is 2 years or 1,500 hours, whichever comes first.

f These Tier 3 standards apply only to manufacturers selecting Tier 4 Option 2. Manufacturers selecting Tier 4 Option 1 will be meeting those standards in lieu of Tier 3 standards.

g A manufacturer may certify all their engines to either Option 1 or Option 2 sets of standards starting in the indicated model year. Manufacturers selecting Option 2 must meet Tier 3 standards in the 2008-2011 model years.

h These standards are phase-out standards. Not more than 50 percent of a manufacturer's engine production is allowed to meet these standards in each model year of the phase out period. Engines not meeting these standards must meet the final Tier 4 standards.

i These standards are phased in during the indicated years. At least 50 percent of a manufacturer's engine production must meet these standards during each year of the phase in. Engines not meeting these standards must meet the applicable phase-out standards.

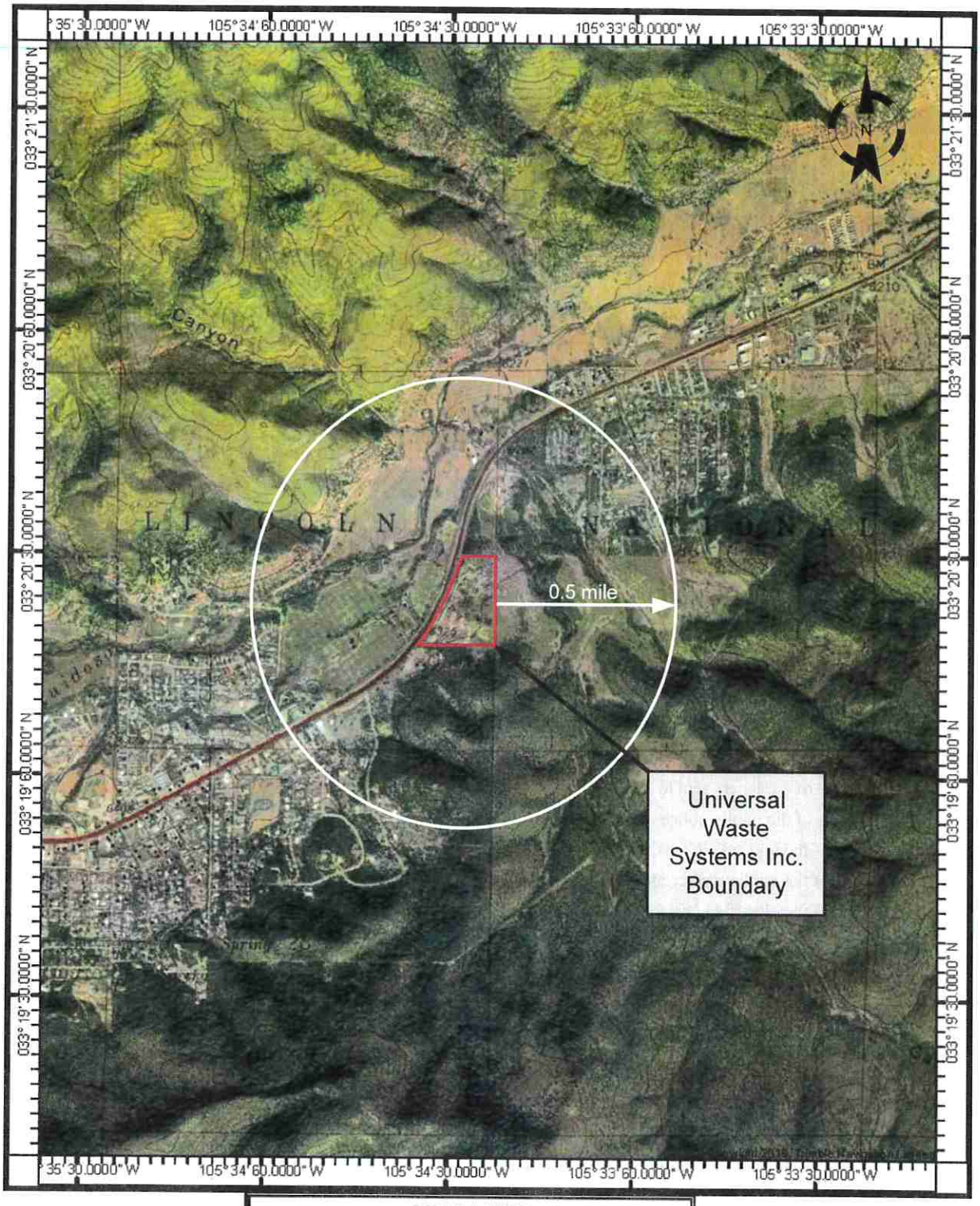
j For Tier 1 engines the standard is for total hydrocarbons.

k The NOx standard for generator sets is 0.67 g/kW-hr.

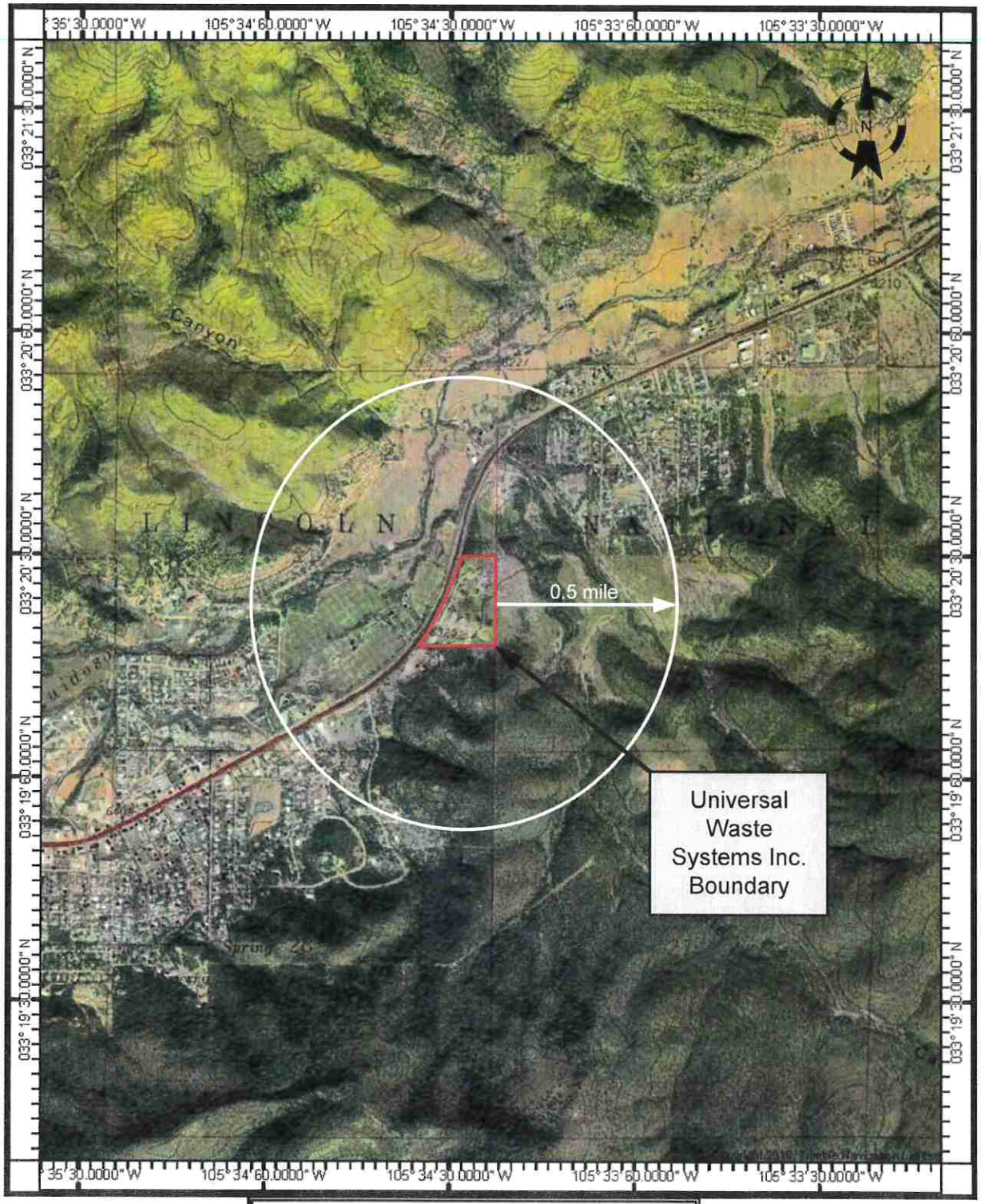
l The PM standard for generator sets is 0.03 g/kW-hr.

Citations: Code of Federal Regulations (CFR) citations:

- 40 CFR 89.112 = Exhaust emission standards
- 40 CFR 1039.101 = Exhaust emission standards for after 2014 model year
- 40 CFR 1039.102 = Exhaust emission standards for model year 2014 and earlier
- 40 CFR 1039 Subpart F = Exhaust emissions transient and steady state test procedures
- 40 CFR 86 Subpart I = Smoke emission test procedures
- 40 CFR 1065 = Test equipment and emissions measurement procedures



ALLIANT ENVIRONMENTAL, LLC			**Area Map**	**Universal Waste Systems, Inc. Air Curtain Incinerator**		
Scale: **1:20,000**	Drawn by: MDF	Date: 2/20/2025	**Universal Waste Systems, Inc.** N 33° 20' 26.75" Latitude W 105° 34' 27.82" Longitude	Project No.: 091-007	File Name:	Figure:
	Chk'd by:	Date:				



ALLIANT ENVIRONMENTAL, LLC			**Area Map**	**Universal Waste Systems, Inc. Air Curtain Incinerator**	
Scale: **1:20,000**	Drawn by: MDF	Date: 2/20/2025	**Universal Waste Systems, Inc.** N 33° 20' 26.75" Latitude W 105° 34' 27.82" Longitude	Project No.: 091-007	File Name:
	Chk'd by:	Date:			Figure:

OWNER NAME	MAILING ADDRESS	CITY	STATE	ZIP	STREET NAME	ST. #	SUBDIVISION
WADDINGHAM, RAND EDWARD	1564 NE 501	ANDREWS	TX	79714	AGUA FRIA DR	102	AGUA FRIA ESTATES
REED, THOMAS J	310 SUDDERTH DR	RUIDOSO	NM	88345	AGUA FRIA DR	108	AGUA FRIA ESTATES
MARTINEZ, DANIEL JR	14229 COYOTE HILL LN	EL PASO	TX	79938	AGUA FRIA DR	106	AGUA FRIA ESTATES
LAWING, RONNIE	106 PALO ALTO DRIVE	RUIDOSO	NM	88345	PARKWAY DR	107	AGUA FRIA ESTATES
KNIGHT-MARK, BRET	26400 US HWY 70	RUIDOSO DOWNS	NM	88346	PARKWAY DR	103	AGUA FRIA ESTATES
GALLEGOS, MARK A	PO BOX 204	LAS CRUCES	NM	88004	AGUA FRIA DR	103	AGUA FRIA ESTATES
FINCH, NICOLE AMBER	105 PARKWAY DR	RUIDOSO DOWNS	NM	88346	PARKWAY DR	105	AGUA FRIA ESTATES
DEMKOVICH, JOSEPH A	1712 LAFAYETTE DR, NE	ALBUQUERQUE	NM	87106	AGUA FRIA DR	109	AGUA FRIA ESTATES
DAVIS TRUST	26400 HWY 70	RUIDOSO DOWNS	NM	88346	US HIGHWAY 70	26412	AGUA FRIA ESTATES
BERRY, GLENN	PO BOX 261	COAHOMA	TX	79511	AGUA FRIA DR	105	AGUA FRIA ESTATES
PRESTIGE HOMES LLC	PO BOX 1901	RUIDOSO	NM	88355	PARKWAY DR	100	AGUA FRIA SD.
SLOWPLAY RV DLG, LLC	PO BOX 15453	SCOTTSDALE	AZ	85267	US HIGHWAY 70	26514	BAKERS ACRES
SANCHEZ, RICHARD S	PO BOX 373	RUIDOSO DOWNS	NM	88346			PALO VERDE RANCHETTES
RICHARDSON, WILLIAM	PO BOX 1589	RUIDOSO DOWNS	NM	88346	SAGEBRUSH RD	106	PALO VERDE RANCHETTES
PILLING, LINDA M	3410 LAKEVIEW PKWY	LOCUST GROVE	VA	22508			PALO VERDE RANCHETTES
MUSTIAN, ANGELA M	PO BOX 374	RUIDOSO DOWNS	NM	88346			PALO VERDE RANCHETTES
MONTES, CECILIA J	100 CORRAL ST	RUIDOSO DOWNS	NM	88346	CORRAL ST	100	PALO VERDE RANCHETTES
MCDUFF, JOE	124 N SAN ROMAN ROAD C/O Ron Slone	BAYVIEW	TX	78566	SAGEBRUSH RD	113	PALO VERDE RANCHETTES
MARSHALL, JOHN G JR	2501 BENNINGTON CT	LEAGUE CITY	TX	77573	REYNOLDS CIR	238	PALO VERDE RANCHETTES
LIVINGSTON, CAROLE ANN MYRE &	148 SAGEBRUSH	RUIDOSO DOWNS	NM	88346			PALO VERDE RANCHETTES
LEWIS, MARK	PO BOX 1349	RUIDOSO DOWNS	NM	88346	PAJARITA ST	106	PALO VERDE RANCHETTES
JENKINS, EVELYN	301 STETSON RD	RUIDOSO DOWNS	NM	88346	STETSON RD	127	PALO VERDE RANCHETTES
JARVIS, JOE A	102 CORRAL ST	RUIDOSO DOWNS	NM	88346	CORRAL ST	102	PALO VERDE RANCHETTES
HERRERA, PHILLIP RAY	264 RANCHER RD	RUIDOSO DOWNS	NM	88346	RANCHER RD	264	PALO VERDE RANCHETTES
HERRERA, JANETT	239 REYNOLDS CIR	RUIDOSO DOWNS	NM	88346	REYNOLDS CIR	239	PALO VERDE RANCHETTES
HELTON, SHANE	328 REYNOLDS CIRCLE	RUIDOSO DOWNS	NM	88346	REYNOLDS CIR	328	PALO VERDE RANCHETTES
GREIGO, RAYMON	PO BOX 1894	RUIDOSO DOWNS	NM	88346	RANCHER RD	114	PALO VERDE RANCHETTES
GRAHAM, RICHARD D	PO BOX 2104	RUIDOSO DOWNS	NM	88346	PAJARITA ST	102	PALO VERDE RANCHETTES
FLOWERS, ZACHARY	PO BOX 2316	RUIDOSO DOWNS	NM	88346	CORRAL ST	104	PALO VERDE RANCHETTES
FLEMING, EMILY J	113 SAGEBRUSH RD	RUIDOSO DOWNS	NM	88346			PALO VERDE RANCHETTES
EIKANGER, RANDALL	264 REYNOLDS DRIVE	RUIDOSO DOWNS	NM	88346			PALO VERDE RANCHETTES
CHRISTENFELD REV TRUST	2266 CR 220	DURANGO	CO	81303	REYNOLDS CIR	329	PALO VERDE RANCHETTES
CHAVEZ, FABIAN A	PO BOX 1638	RUIDOSO DOWNS	NM	88346	SAGEBRUSH RD	112	PALO VERDE RANCHETTES
CANDELARIA, EDDIE	PO BOX 474	RUIDOSO DOWNS	NM	88346	REYNOLDS CIR	261	PALO VERDE RANCHETTES
BURKHAM, ROY	191 STETTSON RD	RUIDOSO DOWNS	NM	88346	SAGEBRUSH RD	107	PALO VERDE RANCHETTES
BLAMEL, J V	4300 ROSA ST	EL PASO	TX	79905			PALO VERDE RANCHETTES
ANCHONDO, CARLOS	PO BOX 1889	RUIDOSO DOWNS	NM	88346	REYNOLDS CIR	370	PALO VERDE RANCHETTES
WATERFIELD, BRYAN	102 TONTO DRIVE	RUIDOSO	NM	88345			PALO VERDE SLOPES

WATKINS REVOCABLE TRUST	183 EL CORTO	LOS ALAMOS	NM	87544		
VILLARREAL, ELIUD	4801 TREMONT ST	DALLAS	TX	75246	US HIGHWAY 70	26383
STANSELL RANCH, LP	PO BOX 57	RUIDOSO DOWNS	NM	88346	US HIGHWAY 70	26491
SIERRA CONTRACTING, INC	PO BOX 935	ALTO	NM	88312		
SAENZ, RAPHAEL	PO BOX 2184	RUIDOSO DOWNS	NM	88346	US HIGHWAY 70	26389
PATE, LEE	26443 US HWY 70	RUIDOSO DOWNS	NM	88346	US HIGHWAY 70	26443
OWENS ENERGY, LLC	875 RUSK	NEW BRAUNFELS	TX	78130	US HIGHWAY 70	26431
NUNEZ, RAYMUNDO	100 SUNNY SLOPE DRIVE	RUIDOSO	NM	88345	US HIGHWAY 70	26391
MALCHOW, GRETCHEN	PO BOX 1884	RUIDOSO DOWNS	NM	88346	US HIGHWAY 70	26395
LUCERO, JESUS	34 ROULETTE RD	ARTESIA	NM	88210	US HIGHWAY 70	26459
IRONS, TANNER	111 WOOD LN	RUIDOSO DOWNS	NM	88346	US HIGHWAY 70	26482
HAYNES, BRUCE G	PO BOX 1320	RUIDOSO DOWNS	NM	88346	US HIGHWAY 70	26515
DANLEY, FRED I	608 CASAD RD	ANTHONEY	NM	88021	TULL TRL	108
CONLEY, ROWLAND &	PO BOX 437	RUIDOSO DOWNS	NM	88346		
CIRCLE E, LLC	PO BOX 349	RUIDOSO DOWNS	NM	88346		
BRUMLOW, MICHAEL	PO BOX 2412	RUIDOSO DOWNS	NM	88346	PARKER RD	300
BEAVER, BETTY	PO BOX 1526	RUIDOSO DOWNS	NM	88346	PARKER RD	302

13/17

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
7022 0410 0002 5617 2805
Altus, NM 88312 — OFFICIAL USE
Certified Mail Fee $4.35; Extra Services & Fees $0.00; Postage $0.73
Postmark: 04/09/2025
Sent To: Sierra Contracting, [illegible]
P.O. Box 935
Alto, NM 88312

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
7022 0410 0002 5617 2812
Ruidoso Downs, NM 88346 — OFFICIAL USE
Certified Mail Fee $4.35; Extra Services & Fees $0.00; Postage $0.73
Postmark: 04/09/2025
Sent To: Stansell Ranch LP
P.O. Box 57
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
7022 0410 0002 5617 2836
Los Alamos, NM 87544 — OFFICIAL USE
Certified Mail Fee $4.35; Postage $0.73
Postmark: 04/09/2025
Sent To: Watkins Revocable Trust
183 El Corto
Los Alamos, NM 87544

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
7022 0410 0002 5617 2829
Dallas, TX 75246 — OFFICIAL USE
Certified Mail Fee $4.35; Extra Services & Fees $0.00; Postage $0.73
Postmark: 04/09/2025
Sent To: Eliud Villarreal
4510 Tremont St.
Dallas, TX 75246

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 81
Ruidoso Downs, NM 88346 — OFFICIAL USE
Certified Mail Fee $4.85; Extra Services & Fees $0.00; Postage $0.73; Total Postage and Fees $5.58
Postmark: 04/09/2025
Sent To: Richard Chacon
176 Stetson Rd.
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 98
Ruidoso Downs, NM 88346 — OFFICIAL USE
Certified Mail Fee $4.85; Extra Services & Fees $0.00; Postage $0.73
Postmark: 04/09/2025
Sent To: Mary L. Dunkel
117 Rawhide
Ruidoso Downs, NM 88346

14/17

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9591 04
Ruidoso Downs, NM 88346 — OFFICIAL USE
Certified Mail Fee $4.85; Extra Services & Fees $0.00; Postage $0.73
Postmark: 04/09/2025
Sent To: Kenneth B. Eiland
116 Riverview
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9591 11
Ruidoso, NM 88345 — OFFICIAL USE
Certified Mail Fee $4.85; Extra Services & Fees $0.00; Postage $0.73
Postmark: 04/09/2025
Sent To: Jesus I. Figueroa
111 Alpesto Dr.
Ruidoso, NM 88345

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9591 28
Ruidoso Downs, NM 88346 — OFFICIAL USE
Certified Mail Fee $4.35; Extra Services & Fees $0.00; Postage $0.73
Postmark: 04/09/2025
Sent To: Joseph Frazer
P.O. Box 2149
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9591 35
Ruidoso Downs, NM 88346 — OFFICIAL USE
Certified Mail Fee $4.85; Extra Services & Fees $0.00; Postage $0.73; Total Postage and Fees $5.58
Postmark: 04/09/2025
Sent To: Welda A. Dunnaway
P.O. Box 2172
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9591 42
Ruidoso Downs, NM 88346 — OFFICIAL USE
Certified Mail Fee $4.35; Extra Services & Fees $0.00; Postage $0.73; Total Postage and Fees $5.58
Postmark: 04/09/2025
Sent To: Jennifer Gin Garcia
113 Riverview
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 74
OFFICIAL USE
Sent To: Macedonia Castillo
P.O. Box 2190
Ruidoso Downs, NM 88346

15/17

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 67
OFFICIAL USE
Postmark: APR -4 2025
Sent To: Anthony Bilden
105 Stetson Rd.
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 50
OFFICIAL USE
Sent To: Rhonda Boggs
137 Reynolds Circle
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 36
OFFICIAL USE
Sent To: Guillermo Ambriz
P.O. Box 934
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 43
OFFICIAL USE
Postmark: APR -4 2025
Sent To: Frank A. Barrera
1804 Sunset Place
Roswell, NM 88203

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 29
OFFICIAL USE
Sent To: Felberto Alvarado
P.O. Box 1671
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 12
OFFICIAL USE
Sent To: Sidwell Services, LLC
P.O. Box 1058
Ruidoso Downs, NM 88346

16/17

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9590 05
OFFICIAL USE
Postmark: APR 2025
Sent To: Rivas Towing and Recovery, LLC
P.O. Box 220
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9589 92
OFFICIAL USE
Sent To: Luther Light
P.O. Box 1028
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9589 78
OFFICIAL USE
Sent To: Henry B. Lue
24 Hemlock Circle
Ruidoso, NM 88345

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9589 85
OFFICIAL USE
Sent To: Sandra F. Sherron
752 San Carlos Street
Alamogordo, NM 88310

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
9589 0710 5270 0010 9595 79
OFFICIAL USE
Sent To: Petra G. Montoya
P.O. Box 474
Ruidoso Downs, NM 88346

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT — Domestic Mail Only
7022 0410 0002 5617 2881
OFFICIAL USE
Sent To: Rebecca S. Lundquist
P.O. Box 194
Ruidoso Downs, NM 88346

General Posting of Notices – Certification

I, JARED JENSEN, the undersigned, certify that on 3/10, 2025, posted a true and correct copy of the attached Public Notice in the following publicly accessible and conspicuous places in the **CITY of Ruidoso Downs** in **Lincoln** County, State of New Mexico on the following dates:

1. Facility entrance: 3/10, 2025
2. Ruidoso Public Library: 3/10, 2025
3. USPS in Ruidoso Downs: 3/10, 2025
4. ~~Lowe's Market~~ USPS in Ruidoso: 3/10, 2025

Signed this 10 day of MARCH, 2025.

Signature

3-10-25
Date

JARED JENSEN
Printed Name

Operations Supervisor
Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

COPY

COMMUNITY

Democratic Party donates funds for emergency services

El Rito Media Reports

The Democratic Party of Lincoln County, in appreciation of the services provided by the Lincoln County Office of Emergency Services during the fires and floods in 2024 and in recognition of efforts underway for future emergency response donated one thousand dollars to the Lincoln County OES to support that effort. "Your diligent service to the citizens of Lincoln County is always a source of pride for the entire community," said Jeff Bleau, Chair Democratic Party of Lincoln County

PHOTO: EUGENE HEATHMAN RUIDOSO NEWS
Jeff Bleau (left) presents a donation check to Joseph Luna of the Lincoln County Office of Emergency Services

Water Dowsing Class in Carrizozo

By Lisa Maue,
Carrizozo Works lisabethmaue@gmail.com

Nordis Estrem will teach a water dowsing class on April 5 from 1:00 to 2:00 pm at 1607 Jasmine in Carrizozo. The fee for the class is $10.00 and class size is limited to 10 students.

Water dowsing or "water witching" uses rods, either L-shaped or straight, a forked branch or pendulums for locating water, minerals, graves and lost objects underground. While not proven scientifically, adherents, particularly those who live in arid areas, often swear by dowsing to determine where to drill a well or dig for a water line leak. By lightly holding the rods or branch horizontally and walking slowly, rods either move away from one another or cross or the branch turns downward, indicating the presence of water.

Ms. Estrem did note that intention is involved and, even then, some people are able to do it, while others cannot.

"I really think it is important to think you can do it," Estrem said.

Ms. Estrem started dowsing in the 1960s with her husband, Don, in Minnesota. Old-timers told the Estrems that there was a pioneer cemetery on their land with up to 30 graves.

"Well, my husband was interested, and we went up and found where it was," Estrem said. "This was a cemetery from the 1840s. Some of the graves were marked with stones, and some were marked with actual headstones. We found about 10 marked. A fire went through there in the mid-1940s. The wood crosses would have burned, but our metal detector found three hand-made nails. We took our dowsing sticks up there, and we started dowsing for the unmarked graves. Once we found one, we marked it. We did a lot of research and cross-referenced names

in the pioneer cemetery with the Goodhue County courthouse. Almost all of them were from the same area in Norway."

Estrem has located meteorites and even used string figures to predict the sex of her children.

"The string was always right," Estrem said, smiling.

"Water Dowsing" project of Carrizozo Works, Inc., a community-based not-for-profit. Classes are offered by area residents and are currently being scheduled. The classes are held in Carrizozo but are open to anyone. For more information, please go to carrizozoworks.org. To register or to teach a class, call or text (575) 973-3239.

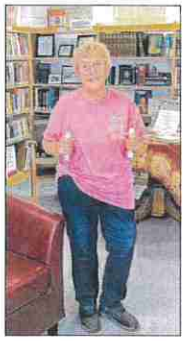


PHOTO: COURTESY CARRIZOZO WORKS
Nordis Estrem will be teaching a class on water dowsing in Carrizozo

The Aggies Are Coming to The Bulldog Bowl

By Tony Sanchez,
Head Football Coach, New Mexico State University

Aggie Nation, Football is built on tradition, toughness, and pride—no place embodies that better than Southeast New Mexico. That's why on April 5 at 10 AM, we're bringing our 2025 Spring Game to the Bulldog Bowl in Artesia, NM. Your corner of the state isn't just known for its football—it's a place that understands what it takes to win. From the state championships lining trophy cases to the Friday night lights that shine over communities that breathe football, this region has always set the standard. That's why it's the perfect place for NM State Football to take the field this spring.

This game is more than a scrimmage. It's a celebration of New Mexico football and an opportunity for fans in this area to see the Aggies up close. If you've watched NM State Football, you know we're built on grit. We take pride in being the underdog, proving people wrong, and outworking the competition. Over the past three seasons, we have played in multiple bowl games and competed for a conference championship.

That kind of success doesn't happen by accident. It takes discipline, heart, and a commitment to getting better every single day—the same qualities that drive the blue-collar oil workers who fuel this state and fund its communities. That relentless work ethic is what this corner of the state has always embodied, and that's why we can't wait to take the field at the Bulldog Bowl.

Bringing this game to the Southeast is about more than football—it's about you. This is your chance to see New Mexico's team in action, meet the players, and feel the excitement of what we're building. We're bringing FBS football and our vision for the future right to your backyard.

We want every football fan in Southeast New Mexico to be there—not just Artesia. I am calling on Roswell, Carlsbad, Hobbs, Ruidoso, Alamogordo, and the entire region. Whether you're an Aggie alum, or just someone who loves the game, we want you in the stands. Bring your family, bring your friends, and get a first look at the team that will be representing your state this fall.

As an investment in you, our neighbors to the east, we have made admission free for all to attend this 2025 Spring Game. We do expect to run out of seats fast, so be sure to get there early.

We're building something special at NM State, and we want you to be part of it. So mark your calendars for April 5th, come pack the Bulldog Bowl, and let's show the world that football in New Mexico is as strong as ever.

Go Aggies!

NOTICE OF AIR QUALITY PERMIT APPLICATION

Univeral Waste Systems, Inc. announces its application to the New Mexico Environment Department for an air quality permit for the **construction** of its **Air Curtain Incinerator** facility. The expected date of application submittal to the Air Quality Bureau is **March 31, 2025.**

The exact location for the proposed facility known as, **UWS Air Curtain Incinerator Facility, is 26440 US 70, Ruidoso Downs, NM 88346** (latitude 33 deg, 20 min, 26.75 sec and longitude -105 deg, 34 min, 27.82 sec. The approximate location of this facility is from Ruidoso Downs take US70 north for 1.9 miles. The facility is located to the east of US70 in Lincoln county.

The proposed **construction** consists of operating the current Air Curtain Incinerator at 9 tons per hour wood waste burned.

The estimated maximum quantities of any regulated air contaminants will be as follows in pound per hour (pph) and tons per year (tpy). These reported emissions could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM 10	5.9 pph	23.5 tpy
PM 2.5	5.9 pph	23.5 tpy
Sulfur Dioxide (SO2)	1.1 pph	4.2 tpy
Nitrogen Oxides (NOx)	9.5 pph	38.1 tpy
Carbon Monoxide (CO)	24.0 pph	96.2 tpy
Volatile Organic Compounds (VOC)	8.2 pph	32.6 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	0.001 pph	0.004 tpy
Toxic Air Pollutant (TAP)	n/a pph	n/a tpy
Green House Gas Emissions as Total CO2e	n/a	309.0 tpy

The standard operating schedule of the facility will be from 7 a.m. to 7 p.m. 7 days a week and a maximum of 52 weeks per year. The maximum operating schedule will be from 7 a.m. to 6 a.m. 7 days a week and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: **Universal Waste Systems, Inc.; 1096 Mecham Dr., Suite 103, Ruidoso, NM 88345.**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and site name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

General information about air quality and the permitting process, and links to the regulations can be found at the Air Quality Bureau's website: www.env.nm.gov/air-quality/permitting-section-home-page/. The regulation dealing with public participation in the permit review process is 20.2.72.206 NMAC.

Attención
Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-3395.

Notice of Non-Discrimination
NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, or if you believe that you have been discriminated against with respect to a NMED program or activity, you may contact: Non-Discrimination Coordinator, NMED, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. You may also visit our website at https://www.env.nm.gov/non-employee-discrimination-complaint-page/ to learn how and where to file a complaint of discrimination.

Published in the Ruidoso News April 3, 2025.
#40980

Republican Party of Lincoln County monthly meeting

We are taking our monthly meetings on the road!.Please join us April 10th at Alto Lakes Country Club for a Legislative Update from Senator Nick Paul and Representative Harlan Vincent!.$30.00 per person for the meal.Please Register online at rplcnm.org or contact David at 575-729-0020. Follow us on Facebook at Republican Party of Lincoln County, New Mexico for updates!

Democratic Party of Lincoln County monthly meeting

On Wednesday, March 19th. Elections were held for Chair, Vice-Chair, and State Central Committee Member. Sean Ward, Executive Director, Democratic Party of New Mexico was the featured speaker. His presentation was on "NO TALK WITHOUT ACTION". The next meeting will be April 16th, 2025, at 5:30 PM, at The Clubhouse of the Village Lodge. The Guest Speaker will be Land Commissioner, Stephanie Garcia Richard. All our welcome.

Customer Feedback Drives PNM's New, Simplified Billing Experience

El Rito Media Reports

PNM customers will soon receive redesigned bills that incorporate customer feedback to make them easier to read and understand, with updated charts to show historic energy use and how weather can affect how much electricity they use.

Paperless billing:

Customers can further simplify their billing experience by receiving the redesigned bill via email. The email provides the most important information at the top, making it easy for customers to quickly see their bill amount, due date, and make payments. Customers can also sign up to receive payment reminders that are available by email, text message, or phone call to help them remember their due dates.

Solar Customers:

For solar customers, the new bill design allows them to easily see when a solar production meter is in use. Solar customers can view how much solar energy they used and generated each month, as well as their energy use history for the past year. The solar energy rate is located on page two at the top of the billing details.

To learn more about the new bill, and to sign up for paperless billing, visit PNM.com/newbill.

Submittal of Public Service Announcement – Certification

I, Martin R. Schluep, the undersigned, certify that on **March 25, 2025**, submitted a public service announcement to **KEDU Radio Ruidoso 102.3 FM** that serves the City of Ruidoso Downs, in Lincoln County, New Mexico, in which the source is or is proposed to be located and that **KEDU Radio Ruidoso DID NOT RESPOND THAT IT WOULD AIR THE ANNOUNCEMENT.**

Signed this 25th day of March, 2025.

M. Schluep
Signature

3-25-2025
Date

Martin R. Schluep
Printed Name

Principal Consultant, Alliant Environmental, LLC
Title

March 26, 2025

CERTIFIED MAIL XXXX XXXX XXXX XXXX

Dear **[Neighbor/Environmental Director/county or municipal official]**
Universal Waste Systems, Inc. announces its application submittal to the New Mexico Environment Department for an air quality permit for the **construction** of its Air Curtain Incinerator facility. The expected date of application submittal to the Air Quality Bureau is **March 31, 2025.**

The exact location for the proposed facility known as, **UWS Air Curtain Incinerator Facility**, is **26440 US 70, Ruidoso Downs, NM 88346** (latitude 33 deg, 20 min, 26.75 sec and longitude -105 deg, 34 min, 27.82 sec. The approximate location of this facility is from Ruidoso Downs take US70 north for 1.9 miles. The facility is located to the east of US70 in Lincoln county.

The proposed **construction** consists of operating the current Air Curtain Incinerator at 9 tons per hour wood waste burned.
The estimated maximum quantities of any regulated air contaminants will be as follows in pound per hour (pph) and tons per year (tpy). These reported emissions could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	5.9 pph	23.5 tpy
$PM_{2.5}$	5.9 pph	23.5 tpy
Sulfur Dioxide (SO_2)	1.1 pph	4.2 tpy
Nitrogen Oxides (NO_x)	9.5 pph	38.1 tpy
Carbon Monoxide (CO)	24.0 pph	96.2 tpy
Volatile Organic Compounds (VOC)	8.2 pph	32.6 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	0.001 pph	0.004 tpy
Toxic Air Pollutant (TAP)	n/a pph	n/a tpy
Green House Gas Emissions as Total CO_2e	n/a	309.0 tpy

The standard operating schedule of the facility will be from 7 a.m. to 7 p.m. 7 days a week and a maximum of 52 weeks per year. The maximum operating schedule will be from 7 a.m. to 6 a.m. 7 days a week and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: **Universal Waste Systems, Inc.; 1096 Mecham Dr., Suite 103, Ruidoso, NM 88345.**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and facility name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

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The estimated maximum quantities of any regulated air contaminants will be as follows in pound per hour (pph) and tons per year (tpy). These reported emissions could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
PM_{10}	5.9 pph	23.5 tpy
$PM_{2.5}$	5.9 pph	23.5 tpy
Sulfur Dioxide (SO_2)	1.1 pph	4.2 tpy
Nitrogen Oxides (NO_x)	9.5 pph	38.1 tpy
Carbon Monoxide (CO)	24.0 pph	96.2 tpy
Volatile Organic Compounds (VOC)	8.2 pph	32.6 tpy
Total sum of all Hazardous Air Pollutants (HAPs)	0.001 pph	0.004 tpy
Toxic Air Pollutant (TAP)	n/a pph	n/a tpy
Green House Gas Emissions as Total CO_2e	n/a	309.0 tpy

The standard operating schedule of the facility will be from 7 a.m. to 7 p.m. 7 days a week and a maximum of 52 weeks per year. The maximum operating schedule will be from 7 a.m. to 6 a.m. 7 days a week and a maximum of 52 weeks per year.

The owner and/or operator of the Facility is: **Universal Waste Systems, Inc.; 1096 Mecham Dr., Suite 103, Ruidoso, NM 88345.**

If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Permit Programs Manager; New Mexico Environment Department; Air Quality Bureau; 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816. Other comments and questions may be submitted verbally. (505) 476-4300; 1 800 224-7009.

Please refer to the company name and site name, or send a copy of this notice along with your comments, since the Department may have not yet received the permit application. Please include a legible return mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

Section 10

Written Description of the Routine Operations of the Facility

A written description of the routine operations of the facility. Include a description of how each piece of equipment will be operated, how controls will be used, and the fate of both the products and waste generated. For modifications and/or revisions, explain how the changes will affect the existing process. In a separate paragraph describe the major process bottlenecks that limit production. The purpose of this description is to provide sufficient information about plant operations for the permit writer to determine appropriate emission sources.

The Air Burners' S223 Air Curtain Incinerator (ACI) is a self-contained above ground Air Curtain Burner (FireBox or Air Curtain Incinerator) with a refractory lined burn-container for portable and stationary applications. Designed for the environmentally friendly high temperature reduction of clean wood waste.

The ACI is a machine that uses a steady stream of air to direct smoke back into the fire, causing it to burn a second time and reducing particulate matter to acceptable U.S. EPA guidelines. The machine follows three stages: startup, full operation, and burndown. It is designed to aid in combustion and reduce emissions by directing a flow of air across a contained fire of vegetative debris.

Section 12

Section 12.A
PSD Applicability Determination for All Sources

(Submitting under 20.2.72, 20.2.74 NMAC)

A PSD applicability determination for all sources. For sources applying for a significant permit revision, apply the applicable requirements of 20.2.74.AG and 20.2.74.200 NMAC and to determine whether this facility is a major or minor PSD source, and whether this modification is a major or a minor PSD modification. It may be helpful to refer to the procedures for Determining the Net Emissions Change at a Source as specified by Table A-5 (Page A.45) of the EPA New Source Review Workshop Manual to determine if the revision is subject to PSD review.

A. This facility is:

- ☑ **a minor PSD source before and after this modification (if so, delete C and D below).**
- ☐ **a major PSD source before this modification. This modification will make this a PSD minor source.**
- ☐ **an existing PSD Major Source that has never had a major modification requiring a BACT analysis.**
- ☐ **an existing PSD Major Source that has had a major modification requiring a BACT analysis**
- ☐ **a new PSD Major Source after this modification.**

B. **This facility is not one of the listed 20.2.74.501 Table I – PSD Source Categories. The "project" emissions** for this modification are **not significant. This application is for a minor source. The "project" emissions listed below do only result from changes described in this permit application, thus no emissions from other revisions or modifications, past or future are applicable to this facility. Also, specifically discuss whether this project results in "de-bottlenecking", or other associated emissions resulting in higher emissions. The project emissions (before netting) for this project are as follows [see Table 2 in 20.2.74.502 NMAC for a complete list of significance levels]:**

a. **NOx: 38.1 TPY**
b. **CO: 96.2 TPY**
c. **VOC: 32.6 TPY**
d. **SOx: 4.2 TPY**
e. **PM10: 23.5 TPY**
f. **PM2.5: 23.5 TPY**
g. **Fluorides: 0.0 TPY**
h. **Lead: 0.0 TPY**
i. **Sulfur compounds (listed in Table 2): 0.0 TPY**
j. **GHG: 309.0 TPY**

C. If this is an existing PSD major source, or any facility with emissions greater than 250 TPY (or 100 TPY for 20.2.74.501 Table 1 – PSD Source Categories), determine whether any permit modifications are related, or could be considered a single project with this action, and provide an explanation for your determination whether a PSD modification is triggered.

N/A, this is a minor source permit application.

Example of a Table for State Regulations:

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
20.2.1 NMAC	General Provisions	Yes	Facility	General Provisions apply to Notice of Intent, Construction, and Title V permit applications.
20.2.3 NMAC	Ambient Air Quality Standards NMAAQS	Yes	Units 1 and 2	If subject, this would normally apply to the entire facility. 20.2.3 NMAC is a State Implementation Plan (SIP) approved regulation that limits the maximum allowable concentration of, Sulfur Compounds, Carbon Monoxide and Nitrogen Dioxide. Title V applications, see exemption at 20.2.3.9 NMAC The TSP NM ambient air quality standard was repealed by the EIB effective November 30, 2018. **Air Dispersion modeling is included in this application**
20.2.7 NMAC	Excess Emissions	Yes	Units 1 and 2	If subject, this would normally apply to the entire facility. If your entire facility or individual pieces of equipment are subject to emissions limits in a permit or numerical emissions standards in a federal or state regulation, this applies. This would not apply to Notices of Intent since these are not permits.
20.2.23 NMAC	Fugitive Dust Control	No	Facility	This regulation may apply if, this is an application for a notice of intent (NOI) per 20.2.73 NMAC, if the activity or facility is a fugitive dust source listed at 20.2.23.108.A NMAC, **and** if the activity or facility is located in an area subject to a mitigation plan pursuant to 40 CFR 51.930. As of January 2019, the only areas of the State subject to a mitigation plan per 40 CFR 51.930 are in Doña Ana and Luna Counties. Sources exempt from 20.2.23 NMAC are activities and facilities subject to a permit issued pursuant to the NM Air Quality Control Act, the Mining Act, or the Surface Mining Act (20.2.23.108.B NMAC. **20.2.23.108 APPLICABILITY:** **A.** This part shall apply to persons owning or operating the following fugitive dust sources in areas requiring a mitigation plan in accordance with 40 CFR Part 51.930: **(1)** disturbed surface areas or inactive disturbed surface areas, or a combination thereof, encompassing an area equal to or greater than one acre; **(2)** any commercial or industrial bulk material processing, handling, transport or storage operations. **B.** The following fugitive dust sources are exempt from this part: **(1)** agricultural facilities, as defined in this part; **(2)** roadways, as defined in this part; **(3)** operations issued permits pursuant to the state of New Mexico Air Quality Control Act, Mining Act or Surface Mining Act; and **(4)** lands used for state or federal military activities. [20.2.23.108 NMAC - N, 01/01/2019] **N/A, this application is for an ACI.**
20.2.33 NMAC	Gas Burning Equipment - Nitrogen Dioxide	No	Facility	**This regulation does not apply to internal combustion equipment such as engines. It only applies to external combustion equipment such as heaters or boilers.** **Choose all that apply:** This facility has new gas burning equipment **(external combustion emission sources, such as gas fired boilers and heaters)** having a heat input of greater than 1,000,000 million British Thermal Units per year per unit This facility has existing gas burning equipment having a heat input of greater than 1,000,000 million British Thermal Units per year per unit Note: "New gas burning equipment" means gas burning equipment, the construction or modification of which is commenced after February 17, 1972.

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
				NMAC (see 20.2.61.109 NMAC). **If equipment at your facility was subject to the repealed regulation 20.2.37 NMAC it is now subject to 20.2.61 NMAC.**
20.2.70 NMAC	Operating Permits	N/A	Facility	If subject, this would normally apply to the entire facility. Applies if your facility's potential to emit (PTE) is 100 tpy or more of any regulated air pollutant other than HAPs; and/or a HAPs PTE of 10 tpy or more for a single HAP or 25 or more tpy for combined HAPs; is subject to a 20.2.79 NMAC nonattainment permit; or is a facility subject to a federal regulation that requires you to obtain a Title V permit such as landfills or air curtain incinerators. Include both stack and fugitive emissions to determine the HAP's PTE regardless of the facility type. If your facility is one of those listed at 20.2.70.7(2)(a) through (aa) state which source type your facility is and count both fugitive and stack emissions to determine your PTE. If your facility is not in this (a) through (aa) list, count only stack emissions to determine your PTE. Landfills and Air Curtain Incinerators are not Title V Major Sources, but it would apply pursuant to 20.2.70.200.B NMAC.
20.2.71 NMAC	Operating Permit Fees	N/A	Facility	If subject to 20.2.70 NMAC and your permit includes numerical ton per year emission limits, you are subject to 20.2.71 NMAC and normally applies to the entire facility. **N/A, this is not an Operating Permit application.**
20.2.72 NMAC	Construction Permits	Yes	Facility	If subject, this would normally apply to the entire facility. Could apply if your facility's potential emission rate (PER) is greater than 10 pph or greater than 25 tpy for any pollutant subject to a state or federal ambient air quality standard (does not include VOCs or HAPs); if the PER of lead is 5 tpy or more; if your facility is subject to 20.2.72.400 NMAC; or if you have equipment subject to 40 CFR 60 Subparts I and OOO, 40 CFR 61 Subparts C and D. Include both stack and fugitive emissions to determine PER. **This is an application for a construction permit under 20.2.72 NMAC.**
20.2.73 NMAC	NOI & Emissions Inventory Requirements	Yes	Facility	If subject, this would normally apply to the entire facility. **A Notice of Intent application 20.2.73.200 NMAC** could apply if your facility's PER of <u>any</u> regulated air pollutant, including VOCs and HAPs, is 10 tpy or more or if you have lead emissions of 1 tpy or more. Include both fugitive and stack emissions to determine your PER. You could be required to submit **Emissions Inventory Reporting per** 20.2.73.300 NMAC if your facility is subject to 20.2.73.200, 20.2.72, or emits more than 1 ton of lead or 10 tons of PM10, PM2.5, SOx, NOx CO, or VOCs in any calendar year. All facilities that are a Title V Major Source as defined at 20.2.70.7.R NMAC, are subject to Emissions Inventory Reporting.
20.2.74 NMAC	Permits – Prevention of Significant Deterioration (PSD)	N/A	Facility	If subject, this would normally apply to the entire facility. **If you are an existing PSD major source you are subject to the applicability determination requirements at 20.2.74.200 NMAC to determine if you are subject to a PSD permit, <u>before</u> commencing actual construction of any modifications at your facility.** Complete the applicability determination in Section 12 of the application. If you are constructing a new PSD major source or are proposing a major modification to an existing PSD major source, you must obtain a PSD permit. Minor NSR Exemptions at 20.2.72.200 NMAC nor Title V Insignificant Activities do not apply to the PSD permit regulation. **Choose which applies and delete the rest.** See NMACS 20.2.74.7.AE and AG Major Modification and Major Stationary Source, 20.2.74.200 Applicability, and 20.2.74.201 Exemptions. **N/A, this is a minor source permit application.** **20.2.74.7.AG(1)** A stationary source listed in Table 1 of this Part (20.2.74.501 NMAC) which emits, or has the potential to emit, emissions equal to or greater than

State Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification: (You may delete instructions or statements that do not apply in the justification column to shorten the document.)
				any location that does not meet any national ambient air quality standard for the same pollutant. **N/A, the location of this site is in attainment for all pollutnats.**
20.2.80 NMAC	Stack Heights	N/A	N/A	Usually not applicable for TV If applies: Cited as applicable in NSR Permit XXX. **N/A, no stack height requirements are applicable.**
20.2.82 NMAC	MACT Standards for source categories of HAPS	Yes	Units Subject to 40 CFR 63 Unit 2	This regulation applies to all sources emitting hazardous air pollutants, which are subject to the requirements of 40 CFR Part 63. **Unit 2: Diesel engine is subject to 40 CFR 63 Subpart ZZZZ**

Example of a Table for Applicable Federal Regulations (Note: This is not an exhaustive list):

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
40 CFR 50	NAAQS	Yes	Facility	If subject, this would normally apply to the entire facility. This applies if you are subject to 20.2.70, 20.2.72, 20.2.74, and/or 20.2.79 NMAC. **Air Dispersion modeling is included in this application**
NSPS 40 CFR 60, Subpart A	General Provisions	Yes	Units subject to 40 CFR 60 Units 1 and 2	Applies if any other Subpart in 40 CFR 60 applies. **ACIs are subject to 40 CFR 60 Subpart EEEE** **Diesel engines are subject to 40 CFR 60 Subpart IIII**
NSPS 40 CFR60.40a, Subpart Da	Subpart Da, Performance Standards for **Electric Utility Steam Generating Units**	N/A	N/A	Establishes PM, SO_2 and NOx emission limits/standards of performance for Unit **XXX**. The duct burner (unit #XXX) has a **XXXX** MMBtu/hr heat input, which exceeds the 250 MMBtu/hr threshold. Construction commenced **XXXX**, after the 9/18/1978 applicability date. **N/A, the equipment is not related to electric utility steam generating units.**
NSPS 40 CFR60.40b Subpart Db	**Electric Utility Steam Generating Units**	N/A	N/A	(a) The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 MW (100 million Btu/hour). Establishes NOx emission limit for Unit **XXX**. The boiler (unit **XXX**) has a **XXX** MMBtu/hr heat input, which exceeds the 100 MMBtu/hr threshold. Construction commenced 1980 and the boiler was modified in **XXXX**, after the 6/19/1984 applicability date. **N/A, see above comment.**

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
60 Subpart OOOO	Crude Oil and Natural Gas Production, Transmission, and Distribution for which construction, modification or reconstruction commenced after August 23, 2011 and before September 18, 2015			The rule applies to "affected" facilities that are constructed, modified, or reconstructed after Aug 23, 2011 (40 CFR 60.5365): gas wells, including fractured and hydraulically refractured wells, centrifugal compressors, reciprocating compressors, pneumatic controllers, certain equipment at natural gas processing plants, sweetening units at natural gas processing plants, and storage vessels. If there is a standard or other requirement, then the facility is an "affected facility." Currently there are standards for: gas wells (60.5375); centrifugal compressors (60.5380); reciprocating compressors (60.5385): controllers (60.5390); storage vessels (60.5395); equipment leaks (60.5400); sweetening units (60.5405). **If standards apply, list the unit number(s) and regulatory citation of the standard that applies to that unit (e.g. Centrifugal Compressors 1a-3a are subject to the standards at 60.5380(a)(1) and (2) since we use a control device to reduce emissions)** **N/A, this is not an oil and gas facility.**
NSPS 40 CFR Part 60 Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced **After** September 18, 2015	N/A	N/A	See 60.536 EPA Guidance Page: www.epa.gov/controlling-air-pollution-oil-and-natural-gas-industry **N/A, this is not an oil and gas facility.**
NSPS 40 CFR 60 Subpart EEEE	Standards of Performance for Other Solid Waste Incineration Units for Which Construction is Commenced After December 9, 2004, or for Which Modification or Reconstruction is Commenced on or After June 16, 2006	Yes	Unit 1	**Unit 1: ACI is subject to Subpart EEEE** 40 CFR 60.2888(b): Air curtain incinerators that **burn only less than 35 tons per day** of the materials listed in paragraphs (b)(1) through (4) of this section collected from the general public and from residential, commercial, institutional, and industrial sources; or, air curtain incinerators located at institutional facilities that burn only the materials listed in paragraphs (b)(1) through (4) of this section generated at that facility, are required to meet only the requirements in §§ 60.2970 through 60.2974 and are exempt from all other requirements of this subpart. (1) 100% wood waste (2) 100% clean lumber (3) 100% yard waste (4) 100% mixture of only wood waste, clean lumber, and/or yard waste
NSPS 40 CFR 60 Subpart IIII	Standards of performance for Stationary Compression Ignition Internal Combustion Engines	Yes	Unit 2	See 60.4200 and EPA Region 1's Reciprocating Internal Combustion Guidance website. **Unit 2: 74.5 hp diesel engine will comply with all requirements of Subpart IIII** **Emission standards (EPA Tier 4), maintenance and operating requirements according to 40 CFR 60.4211(a)**
NSPS	Standards of Performance for	N/A	N/A	See 40 CFR 60.4230 and EPA Region 1's Reciprocating Internal Combustion Guidance website.

Federal Regulation Citation	Title	Applies? Enter Yes or No	Unit(s) or Facility	Justification:
				N/A, this is not a natural gas transmission facility.
MACT 40 CFR 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Industrial, Commercial, and Institutional Boilers & Process Heaters	N/A	N/A	See 63.7480 **N/A, there are no boilers at this facility.**
MACT 40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants Coal & Oil Fire Electric Utility Steam Generating Unit	N/A	N/A	See 63.9980 (known as the MATs rule) **N/A, there are no Coal & Oil Fire Electric Utility Steam Generating Units at this site.**
MACT 40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (**RICE MACT**)	Yes	Unit 2	See 63.6580 and EPA Region 1's Reciprocating Internal Combustion Guidance website. **Unit No. 2 is subject to subpart ZZZZ and fulfills all requirements under 40 CFR 60 Subpart IIII.**
40 CFR 64	**Compliance Assurance Monitoring**	N/A	N/A	**Applies only to Title V Major Sources** Emissions for Unit XX are major in and of itself (XXXX TPY SO2). OR SRU is actually exempt because of 40 CFR64.2 (b) (vI) (b) Exemptions—(1) Exempt emission limitations or standards. The requirements of this part shall not apply to any of the following emission limitations or standards: (vi) Emission limitations or standards for which a part 70 or 71 permit specifies a continuous compliance determination method, as defined in §64.1. The exemption provided in this paragraph (b)(1)(vi) shall not apply if the applicable compliance method includes an assumed control device emission reduction factor that could be affected by the actual operation and maintenance of the control device (such as a surface coating line controlled by an incinerator for which continuous compliance is determined by calculating emissions on the basis of coating records and an assumed control device efficiency factor based on an initial performance test; in this example, this part would apply to the control device and capture system, but not to the remaining elements of the coating line, such as raw material usage).
40 CFR 68	**Chemical Accident Prevention**	N/A	N/A	If subject, this would normally apply to the entire facility. An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under §68.115, See 40 CFR 68
Title IV – Acid Rain 40 CFR 72	**Acid Rain**	N/A	N/A	See 40 CFR 72.6. This may apply if your facility generates commercial electric power or electric power for sale.
Title IV – Acid Rain 40 CFR 73	**Sulfur Dioxide** Allowance Emissions	N/A	N/A	See 40 CFR 73.2. This may apply if your facility generates commercial electric power or electric power for sale.

Section 14

Operational Plan to Mitigate Emissions

(Submitting under 20.2.70, 20.2.72, 20.2.74 NMAC)

☐ **Title V Sources** (20.2.70 NMAC)**:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Emissions During Startups, Shutdowns, and Emergencies** defining the measures to be taken to mitigate source emissions during startups, shutdowns, and emergencies as required by 20.2.70.300.D.5(f) and (g) NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☑ **NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has developed an **Operational Plan to Mitigate Source Emissions During Malfunction, Startup, or Shutdown** defining the measures to be taken to mitigate source emissions during malfunction, startup, or shutdown as required by 20.2.72.203.A.5 NMAC. This plan shall be kept on site to be made available to the Department upon request. This plan should not be submitted with this application.

☐ **Title V** (20.2.70 NMAC)**, NSR** (20.2.72 NMAC)**, PSD** (20.2.74 NMAC) **& Nonattainment** (20.2.79 NMAC) **Sources:** By checking this box and certifying this application the permittee certifies that it has established and implemented a Plan to Minimize Emissions During Routine or Predictable Startup, Shutdown, and Scheduled Maintenance through work practice standards and good air pollution control practices as required by 20.2.7.14.A and B NMAC. This plan shall be kept on site or at the nearest field office to be made available to the Department upon request. This plan should not be submitted with this application.

The ACI is shutdown during any potential malfunction.

Section 16

Air Dispersion Modeling

1) Minor Source Construction (20.2.72 NMAC) and Prevention of Significant Deterioration (PSD) (20.2.74 NMAC) ambient impact analysis (modeling): Provide an ambient impact analysis as required at 20.2.72.203.A(4) and/or 20.2.74.303 NMAC and as outlined in the Air Quality Bureau's Dispersion Modeling Guidelines found on the Planning Section's modeling website. If air dispersion modeling has been waived for one or more pollutants, attach the AQB Modeling Section modeling waiver approval documentation.
2) SSM Modeling: Applicants must conduct dispersion modeling for the total short term emissions during routine or predictable startup, shutdown, or maintenance (SSM) using realistic worst case scenarios following guidance from the Air Quality Bureau's dispersion modeling section. Refer to "Guidance for Submittal of Startup, Shutdown, Maintenance Emissions in Permit Applications (http://www.env.nm.gov/aqb/permit/app_form.html) for more detailed instructions on SSM emissions modeling requirements.
3) Title V (20.2.70 NMAC) ambient impact analysis: Title V applications must specify the construction permit and/or Title V Permit number(s) for which air quality dispersion modeling was last approved. Facilities that have only a Title V permit, such as landfills and air curtain incinerators, are subject to the same modeling required for preconstruction permits required by 20.2.72 and 20.2.74 NMAC.

What is the purpose of this application?	Enter an X for each purpose that applies
New PSD major source or PSD major modification (20.2.74 NMAC). See #1 above.	
New Minor Source or significant permit revision under 20.2.72 NMAC (20.2.72.219.D NMAC). See #1 above. **Note:** Neither modeling nor a modeling waiver is required for VOC emissions.	**X**
Reporting existing pollutants that were not previously reported.	
Reporting existing pollutants where the ambient impact is being addressed for the first time.	
Title V application (new, renewal, significant, or minor modification. 20.2.70 NMAC). See #3 above.	
Relocation (20.2.72.202.B.4 or 72.202.D.3.c NMAC)	
Minor Source Technical Permit Revision 20.2.72.219.B.1.d.vi NMAC for like-kind unit replacements.	
Other: i.e. SSM modeling. See #2 above.	
This application does not require modeling since this is a No Permit Required (NPR) application.	
This application does not require modeling since this is a Notice of Intent (NOI) application (20.2.73 NMAC).	
This application does not require modeling according to 20.2.70.7.E(11), 20.2.72.203.A(4), 20.2.74.303, 20.2.79.109.D NMAC and in accordance with the Air Quality Bureau's Modeling Guidelines.	

Check each box that applies:

☐ See attached, approved modeling **waiver for all** pollutants from the facility.
☐ See attached, approved modeling **waiver for some** pollutants from the facility.
☑ Attached in Universal Application Form 4 (UA4) is a **modeling report for all** pollutants from the facility.
☐ Attached in UA4 is a **modeling report for some** pollutants from the facility.
☐ No modeling is required.

7	Identify the Air Quality Control Region (AQCR) in which the facility is located	153	
8	List the PSD baseline dates for this region (minor or major, as appropriate).		
	NO2	8/2/1995	
	SO2	Not established	
	PM10	6/16/2000	
	PM2.5	Not established	
9	Provide the name and distance to Class I areas within 50 km of the facility (300 km for PSD permits).		
	White Mountain Wilderness Area (13.5 km)		
10	Is the facility located in a non-attainment area? If so describe below	Yes☐	No☒
11	Describe any special modeling requirements, such as streamline permit requirements.		
	N/A		

16-C: Modeling History of Facility

Describe the modeling history of the facility, including the air permit numbers, the pollutants modeled, the National Ambient Air Quality Standards (NAAQS), New Mexico AAQS (NMAAQS), and PSD increments modeled. (Do not include modeling waivers). **N/A**

1	Pollutant	Latest permit and modification number that modeled the pollutant facility-wide.	Date of Permit	Comments
	CO			
	NO_2			
	SO_2			
	H_2S			
	PM2.5			
	PM10			
	Lead			
	Ozone (PSD only)			
	NM Toxic Air Pollutants (20.2.72.402 NMAC)			

16-D: Modeling performed for this application

For each pollutant, indicate the modeling performed and submitted with this application.
Choose the most complicated modeling applicable for that pollutant, i.e., culpability analysis assumes ROI and cumulative analysis were also performed.

1	Pollutant	ROI	Cumulative analysis	Culpability analysis	Waiver approved	Pollutant not emitted or not changed.
	CO	☒	☐	☐	☐	☐

3	Was building downwash modeled for all buildings and tanks? If not explain why below.	Yes☐	No☒
	The site does not have any permanent buildings or structures. The closest off-property structure is over 1000 feet away.		
4	Building comments		

16-I: Receptors and modeled property boundary

1	"Restricted Area" is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with a steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area. A Restricted Area is required in order to exclude receptors from the facility property. If the facility does not have a Restricted Area, then receptors shall be placed within the property boundaries of the facility. Describe the fence or other physical barrier at the facility that defines the restricted area.		
	The property is completely enclosed by fencing and access points have gautes.		
2	Receptors must be placed along publicly accessible roads in the restricted area. Are there public roads passing through the restricted area?	Yes☐	No☒
3	Are restricted area boundary coordinates included in the modeling files?	Yes☒	No☐

4 Describe the receptor grids and their spacing. The table below may be used, adding rows as needed.

Grid Type	Shape	Spacing	Start distance from restricted area or center of facility	End distance from restricted area or center of facility	Comments
Fenceline	Along fence	50 m	Fence	Fence	
Special Grid	Fenceline following grid	100 m	Start from fence	5000 m from fence	

5	Describe receptor spacing along the fence line. Used 50 m receptor spacing along the fence line per NMED Modeling Guidance Section 4.6.3 "Receptor Grids".
6	Describe the PSD Class I area receptors. Placed a discrete receptor at the White Mountain Wilderness Area Class I Area according to coordinates provided by NMED's Merge Master.

16-J: Modeling Scenarios

1	Identify, define, and describe all modeling scenarios. Examples of modeling scenarios include using different production rates, times of day, times of year, simultaneous or alternate operation of old and new equipment during transition periods, etc. Alternative operating scenarios should correspond to all parts of the Universal Application and should be fully described in Section 15 of the Universal Application (UA3).

2	ARM2 was used to convert NO_x to NO_2		
3	Were default NO_2/NO_X ratios (0.5 minimum, 0.9 maximum or equilibrium) used? If not describe and justify the ratios used below.	Yes☒	No☐
4	Describe the design value used for each averaging period modeled.		
	1-hour: High eighth high Annual Highest Annual Average of Three Years:		

16-L: Ozone Analysis

1	NMED has performed a generic analysis that demonstrates sources that are minor with respect to PSD do not cause or contribute to any violations of ozone NAAQS. The analysis follows. The basis of the ozone SIL is documented in *Guidance on Significant Impact Levels for Ozone and Fine Particles in the Prevention of Significant Deterioration Permitting Program*, EPA, April 17, 2018 and associated documents. NMED accepts this SIL basis and incorporates it into this permit record by reference. Complete documentation of the ozone concentration analysis using MERPS is included in the New Mexico Air Quality Bureau Air Dispersion Modeling Guidelines.		
2	The MERP values presented in Table 10 and Table 11 of the NM AQB Modeling Guidelines that produce the highest concentrations indicate that facilities emitting no more than 250 tons/year of NO_x and no more than 250 tons/year of VOCs will cause less formation of O_3 than the O_3 significance level. $$[O_3]_{8-hour} = \left(\frac{250 \frac{ton}{yr}}{340_{MERP_{NOX}}} + \frac{250 \frac{ton}{yr}}{4679_{MERP_{VOC}}} \right) \times 1.96\ \mu g/m^3$$ =1.546 µg/m³, which is below the significance level of 1.96 µg/m³. Sources that produce ozone concentrations below the ozone SIL do not cause or contribute to air contaminant levels exceeding the ozone NAAQS.		
3	Does the facility emit at least 250 tons per year of NO_x or at least 250 tons per year of VOCs? Sources that emit at least 250 tons per year of NO_x or at least 250 tons per year of VOCs are covered by the analysis above and require an individual analysis.	Yes☐	No☒

5 For new PSD Major Sources or PSD major modifications, if MERPs were used to account for ozone fill out the information below. If another method was used describe below. **N/A**

NO_x (ton/yr)	$MERP_{NOX}$	VOCs (ton/yr)	$MERP_{VOC}$	$[O_3]_{8\text{-hour}}$

16-M: Particulate Matter Modeling

1	Select the pollutants for which plume depletion modeling was used.	
	☐	PM2.5
	☐	PM10
	☒	None
2	Describe the particle size distributions used. Include the source of information.	

5	PSD increment description for sources. (for unusual cases, i.e., baseline unit expanded emissions after baseline date).		
6	Are all the actual installation dates included in Table 2A of the application form, as required? This is necessary to verify the accuracy of PSD increment modeling. If not please explain how increment consumption status is determined for the missing installation dates below.	Yes☒	No☐

16-P: Flare Modeling

1	For each flare or flaring scenario, complete the following **N/A**			
	Flare ID (and scenario)	Average Molecular Weight	Gross Heat Release (cal/s)	Effective Flare Diameter (m)

16-Q: Volume and Related Sources

1	Were the dimensions of volume sources different from standard dimensions in the Air Quality Bureau (AQB) Modeling Guidelines? If not please explain how increment consumption status is determined for the missing installation dates below.	Yes☐	No☐
	N/A, no volume sources were modeled. Both sources are point sources.		
2	Describe the determination of sigma-Y and sigma-Z for fugitive sources.		
	N/A		
3	Describe how the volume sources are related to unit numbers. Or say they are the same.		
	N/A		
4	Describe any open pits.		
	N/A		
5	Describe emission units included in each open pit.		
	N/A		

16-R: Background Concentrations

1	Were NMED provided background concentrations used? Identify the background station used below. If non-NMED provided background concentrations were used describe the data that was used.	Yes☒	No☐
	CO: N/A		
	NO_2: Outside Carlsbad (350151005)		
	PM2.5: Las Cruces Distric Office (350130025)		
	PM10: Las Cruces City Well #46 (350130024)		

	Was preconstruction monitoring done (see 20.2.74.306 NMAC and PSD Preapplication Guidance on the AQB website)?		
2	If not, did AQB approve an exemption from preconstruction monitoring?	Yes☐	No☐
3	Describe how preconstruction monitoring has been addressed or attach the approved preconstruction monitoring or monitoring exemption.		
4	Describe the additional impacts analysis required at 20.2.74.304 NMAC.		
5	If required, have ozone and secondary PM2.5 ambient impacts analyses been completed? If so describe below.	Yes☐	No☐

16-X: Summary/conclusions	
	A statement that modeling requirements have been satisfied and that the permit can be issued.
1	Site-wide air dispersion modeling for NO2, SO2, CO, PM2.5 and PM10, including background concentrations and surrounding sources, shows that the impacts from the proposed facility are below the NAAQS and PSD increments. Tables 16-1 through 16-4 below show the detailed modeling results.

Table 16-2: N/NMAAQS Analyses

Units	Criteria Pollutant	Averaging Period	NM/NAAQS (ug/m^3)	GLC_{max} (ug/m^3)	Background Concentration (ug/m^3)	Secondary $PM_{2.5}$ (ug/m^3)	GLC_{max} incl. Background conc. (ug/m^3)	GLC_{max} incl. Background conc. < NAAQS?	ROI (m)	Percent of Standard (%)
1 and 2 (P1 and ENGINE)	NO_2	1-hour	188.03	104.95	Incl. Surrounding Sources	--	104.95	Yes	3,994	55.8
1 and 2 (P1 and ENGINE)	NO_2	Annual	94.02	5.65	Incl. Surrounding Sources	--	5.65	Yes	367	6.0
1 and 2 (P1 and ENGINE)	SO_2	1-hour	196.4	17.07	3.5	--	20.57	Yes	186	10.5
1 and 2 (P1 and ENGINE)	$PM_{2.5}$	24-hour	35	6.70	11.0	0.0016	17.70	Yes	1,555	50.6
1 and 2 (P1 and ENGINE)	$PM_{2.5}$	Annual	9	1.49	5.2	0.000074	6.69	Yes	2,112	74.3
1 and 2 (P1 and ENGINE)	PM_{10}	24-hour	150	25.18	99.3	--	124.48	Yes	396	83.0

Note:

1-hour NO_2 GLC_{max} is the high 8th high.
Annual NO_2 GLC_{max} is the high 1st high.
1-hour SO_2 GLC_{max} is the high 4th high.
$PM_{2.5}$: 24-hour modeled concentrations is the high 8th high.
$PM_{2.5}$: Annual modeled concentrations is the high 1st high.
PM_{10}: 24-hour modeled concentrations is the high 2nd high.

Background Concentrations:

1-hour and annual NO_2 background concentration added from ID: 5ZR, 350151005: Holland St. SE of Water Tank, Carlsbad, NM.
1-hour SO_2 background concentration added from ID: 1ZB, 350450009: 162 Hwy 544, Bloomfield, NM 87413.
24-hour and annual $PM_{2.5}$ background concentration added from ID: 6Q, 350130025: 2301 Entrada Del Sol, Las Cruces, NM.
24-hour PM_{10} background concentration added from ID: 6WM, 350130024: South of I-10 at Las Cruces Well #46, Las Cruces, NM.

Surrounding Sources:

Surrounding Sources, in addition to background concentrations, for PM_{10} and $PM_{2.5}$ were added within 25km of the ACI.
Surrounding Sources, instead of background concentrations for NO_2 were added within 25km of the ACI.
Surrounding source data was provided by NMED.

$PM_{2.5}$ Secondary Formation based on PM2.5 MERPS for AQCR 153:

24-hr = ((NO_x emission rate (tpy) / 42498) + (SO_2 emission rate (tpy) / 9753)) x 1.2 ug/m^3
= ((38.11 tpy NO_x / 42498) + (4.16 tpy SO_2 / 9753)) x 1.2 ug/m^3 = **0.0016** **ug/m^3**

Annual = ((NO_x emission rate (tpy) / 130260) + (SO_2 emission rate (tpy) / 53898)) x 0.2 ug/m^3
= ((38.11 tpy NO_x / 130260) + (4.16 tpy SO_2 / 53898)) x 0.2 ug/m^3 = **0.000074** **ug/m^3**

Table 16-4: PSD Class I Increments Analysis (AQCR 153)

Units	Criteria Pollutant	Averaging Period	Class II PSD Increment (ug/m^3)	GLC_{max} (Site plus Surrounding Sources) (ug/m^3)	GLC_{maxALL} < PSD Class I Increment? (ug/m^3)
1 and 2 (P1 and ENGINE)	NO_2	Annual	2.50	0.21	**Yes**
1 and 2 (P1 and ENGINE)	PM_{10}	24-hour	8	0.37	**Yes**
1 and 2 (P1 and ENGINE)	PM_{10}	Annual	4	0.22	**Yes**

Note:

Annual NO_2 GLC_{max} is the high 1st high.

PM_{10}: 24-hour modeled concentrations is the high 2nd high.

PM_{10}: Annual modeled concentrations is the high 1st high.

Surrounding Sources:

Surrounding Sources for NO_2, PM_{10} and $PM_{2.5}$ were added within 25km

Surrounding source data was provided by NMED.

Section 18

Addendum for Streamline Applications

Do not print this section unless this is a streamline application.

N/A, this is not a Streamline Application.

Section 20

Other Relevant Information

Other relevant information. Use this attachment to clarify any part in the application that you think needs explaining. Reference the section, table, column, and/or field. Include any additional text, tables, calculations or clarifying information.

Additionally, the applicant may propose specific permit language for AQB consideration. In the case of a revision to an existing permit, the applicant should provide the old language and the new language in track changes format to highlight the proposed changes. If proposing language for a new facility or language for a new unit, submit the proposed operating condition(s), along with the associated monitoring, recordkeeping, and reporting conditions. In either case, please limit the proposed language to the affected portion of the permit.

No other relevant information is applicable to this application.

Section 22: Certification

Company Name: Universal Waste Systems, Inc.

I, Ernie Byers, hereby certify that the information and data submitted in this application are true and as accurate as possible, to the best of my knowledge and professional expertise and experience.

Signed this 4 day of April, 2025, upon my oath or affirmation, before a notary of the State of New Mexico.

*Signature

4/4/2025
Date

Ernie Byers
Printed Name

Business Development
Title

Scribed and sworn before me on this 4 day of April, 2025

My authorization as a notary of the State of New Mexico expires on the 20 day of September, 2025.

Notary's Signature

4/4/2025
Date

Connie Irwin
Notary's Printed Name

STATE OF NEW MEXICO
NOTARY PUBLIC
CONNIE IRWIN
Commission # 1102351
My Comm. Exp. Sept 20, 2025

COPY