Edit: Application Tracking

Air Case ID: 13278 Permit Id: 4242

FIN No.: A0670B

Company Name: NEVADA ORGANICS, LLC

HA Basin No: 105 **Increment Tracked** ☐

Permit No: AP49534406 * Select a Permit No

Date App. Received: 10/23/2026 *

Permit Writer: Not Assigned (NA) *

Case Type: Class 2 Administrative Renewal w/Public Notice *

Default ODS Date: 11/06/2026 *

Actual ODS Date:

Date App. to be Closed: 02/04/2027 *

Stop Days: **Actual Date App. to be Closed:** 2/4/2027

App. Incomplete? ☐

Date App. Closed:

Fee Paid ($): 2000 *

Case Description:

Comments:

Flag (For Class 4) : None

Update Cancel

October 19, 2026

RECEIVED
OCT 23 2026
BAPC/BAQP

Nevada Division of Environmental Protection
Bureau of Air Pollution Control
901 South Stewart Street Suite 4001
Carson City, Nevada 89701

RE: Class II Air Quality Operation Permit Administrative Renewal Application, Nevada Organics, LLC, Northern Nevada Correction Center, 1721 Snyder Avenue, Carson City, Nevada, AP4953-4406, FIN A0670B

To Whom It May Concern,

Nevada Organics, LLC operates a composting and processing facility located at the Northern Nevada Correctional Center (NNCC) in Carson City, Nevada (The Facility) and holds a Class II Air Quality Operating Permit (AQOP) (AP4953-4406). Nevada Organics is submitting this Nevada Division of Environmental Protection - Bureau of Air Pollution Control (NDEP-BAPC) Class II AQOP Administrative Renewal Application in accordance with NAC 445B 3473.

Included herein is a complete hard-copy of the Class II Administrative Renewal Application in Attachment 1, as well as a thumb drive with a digital copy of the application. Additionally, the facility-wide PTE calculations are included in Attachement 2. Lastly, an e-payment of $2,000 is being submitted with this application to cover the application fee. If you have any questions or comments about the information presented in this letter or the enclosed minor source permit application, please do not hesitate to contact me at (307) 690-1181 or Josh Le Grande (Trinity Consultants, Inc.) at (916) 320-7240.

Sincerely,

Dane Buk, Nevada Organics, LLC

Enclosures

cc: Josh Le Grande, Trinity Consultants, Inc.

Attachment 1: Class II Air Quality Operation Permit Administrative Renewal Application

Class I or II Air Quality Operating Permit (AQOP) Application Form

Facility Name: Nevada Organics, LLC

Permit Class: Class II

Existing Facility ID: A0670B

Existing Permit Number: AP4953-4406

Type of Facility: Compost Processing

Total Number of Permitted Emission Units: 74

Total Number of Insignificant Activities: 2

Application Type:

Administrative Renewal of Existing AQOP

NDEP

Please Submit Application to:
Nevada Division of Environmental Protection
Bureau of Air Pollution Control, Permitting Branch
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701-5249
Phone (775) 687-9349

August 2026
(Ver. 2)

IMPORTANT INFORMATION

- The Application packet contains:
  - General Company Information Form
  - Facility-Wide Potential to Emit Table
  - Surface Area Disturbance Form
  - Plant Boundary Coordinates Form if applicable
  - Plant Building Parameters Form if applicable
  - Application Certification Document with Required Attachments
- All items in the application must be addressed. If an item does not apply "N/A" or similar notation must be entered in the appropriate blank. All other information must be provided. Incomplete applications will be returned to the Responsible Official within 60 working days, for Class I, and within 10 working days, for Class II, of receipt of the application. The only exception is any items containing "if applicable" are only required if changes have been made to these items since the last permitting action.
- This application can **only** be used for an **Administrative Renewal** of either a Class I or a Class II Air Quality Operating Permit if the following criteria are met:
  - The facility has been issued a new or renewed operating permit that was issued on or after January 1, 2018;
  - The renewal does not require revisions to the existing operating permit; and
  - At the time of the operating permit renewal request, an environmental evaluation and an air pollutant dispersion model that were submitted within five years of the request are deemed adequate.
- If you are unclear on if your facility is eligible for an Administrative Renewal please contact the Bureau of Air Pollution Control (BAPC).
- A printed copy of the application must be submitted (mailed or hand delivered).
- The application fee required by Nevada Administrative Code (NAC) 445B.327 must be submitted with the completed application. Checks must be made payable to the "Nevada State Treasurer, Environmental Protection" with "BAPC" noted in the memo line. Fees may also be submitted electronically at https://epayments.ndep.nv.gov/.
- This application packet is not for use for an Administrative Amendment, a general permit, a Class I or Class II Renewal, a Class I or Class II Revision, a stand-alone Surface Area Disturbance (SAD) permit, nor for a Request for Change of Location Approval permit for a temporary source.
- An application for an administrative renewal of a Class I or Class II Air Quality Operating Permit must be signed by the Responsible Official, as defined in NAC 445B.156. The certification/signature page is the last page of the application and the original "wet" signature must be provided.
- For the administrative renewal of a Class I Operating Permit, a complete application and corresponding application fee must be submitted in accordance with NAC 445B.3443(2) at least 240 days prior to the expiration date of the current permit but not earlier than 18 months. The BAPC suggests that the application be submitted well in advance of the timeline outlined in NAC 445B.3443 to ensure the application is deemed complete. The BAPC has 60 days to deem the application complete or incomplete. As stated above, incomplete applications will be returned within 60 days of the receipt of the application. Therefore, the BAPC recommends the application be submitted at least 300 days prior to expiration of the current permit.
- For the administrative renewal of a Class II Operating Permit, a complete application and corresponding application fee must be submitted in accordance with NAC 445B.3473 at least 70 days prior to the expiration date of the current permit. The BAPC suggests that the application be submitted well in advance of the timeline outlined in NAC 445B.3473 to ensure the application is deemed complete.

GENERAL COMPANY INFORMATION FORM

1. **Briefly describe the permitted facility's process and include the Standard Industrial Classification (SIC) number and North American Industry Classification System (NAICS).**

   SIC 2875 - Compost manufacturing facility

2. **Company Name and Address that are to appear on the operating permit [NAC 445B.295(1)]:**

   Name: Nevada Organics, LLC
   Address: P.O. Box 640
   City: Minden
   State: Nevada Zip Code: 89423

3. **Owner's Name and Address [NAC 445B.295(1)]:**

   Name: Same as #2
   Address:
   City:
   State: Zip Code:

4. **Facility Name and Address, if different from #2 [NAC 445B.295(1)]:**

   Name: Northern Nevada Correctional Center
   Address: 1721 Snyder Avenue
   City: Carson City
   State: Nevada Zip Code: 89701

5. **If records are required under the operating permit will be kept at a location other than the facility, specify that location [NAC 445B.295(7)]:**

   Name: N/A
   Address:
   City:
   State: Zip Code:

GENERAL COMPANY INFORMATION FORM (continued)

6. Responsible Official Name, Title and Mailing Address [NAC 445B.295(1)]:

Name:	Dane Buk		
Title:	President		
Address:	P.O. Box 640		
City:	Minden		
State:	Nevada	Zip Code:	89423
Phone Number:	(307) 690-1181		
Fax Number:	(307) 577-5099		
E-mail Address:	dane_buk@yahoo.com		

Is this a new Responsible Official? ☐ Yes ☒ No

If yes, and the Responsible Official (RO) does not meet the definition under NAC 445B.156 then please fill out the "Responsible Official Identification/Designation/Change Request Form" and mail it in. (https://ndep.nv.gov/air/permitting/air-permit-forms-and-resources)

7. Plant Manager or other appropriate Contact Name, Title and Address [NAC 445B.295(1)]:

Name:	Cody Witt		
Title:	Site Supervisor		
Address:	1721 Snyder Avenue		
City:	Carson City		
State:	Nevada	Zip Code:	89701
Phone Number:	(775) 450-6674		
Fax Number:	(307) 577-5099		
E-mail Address:	cody@fullcirclecompost.com		

8. For Class II facilities, is the Facility located within 1,000 feet of a school, hospital, or residential area?

☒ Yes ☐ No ☐ Not Class II

9. For Class I facilities, will the facility violate any "Applicable requirement" pursuant to NAC 445B.019?

☐ Yes ☐ No ☒ Not Class I

10. **For <u>Class I facilities only</u>, verify facility's compliance status for the following regulations and describe the reason for exemption if applicable:** *Not Applicable*

FEDERALLY ENFORCEABLE REQUIREMENTS			
NAC 445B.225	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.315(3)(h)	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.315(3)(i)	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.315(3)(k)	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
40 CFR 52.21(r)(4)	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.252	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.22067	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.22093	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.22037	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.227	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
40 CFR Parts 60.1-60.19, 61.01-61.19, 61.140-61.157, 63.1-63.15, and 70	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
40 CFR Part 82	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.230	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.22017	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*

STATE REQUIREMENTS			
NRS 445B.470	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.22013	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.326(1)	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 445B.22087	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*
NAC 459.952-459.95528	☐ Compliant	☐ Not Compliant	☐ Exempt, *Reason for Exemption*

FACILITY-WIDE POTENTIAL TO EMIT TABLE
(FOR ALL SOURCES INCLUDING INSIGNIFICANT ACTIVITIES)
(POUND/HOUR AND TON/YEAR)

Pollutant	Facility-Wide Potential to Emit (pound/hour)	Facility-Wide Potential to Emit (ton/year)
Total Particulate Matter (PM)	21.40[1]	53.38[1]
Total PM_{10}	9.10[1]	23.70[1]
Total $PM_{2.5}$	2.89[1]	8.70[1]
Total Sulfur Dioxide (SO_2)	0.01	0.03
Total Carbon Monoxide (CO)	0.87	3.82
Total Oxides of Nitrogen (NO_X)	1.04	4.55
Total Volatile Organic Compounds (VOC)	0.06	0.40
Total Lead (Pb)	-	-
Total Hydrogen Sulfide (H_2S)	-	-
Total Sulfuric Acid Mist (H_2SO_4)	-	-
Total Hazardous Air Pollutants (HAPs)	0.02	0.09
Total Greenhouse Gases (CO_{2e})	-	5,494.58
Other Regulated Pollutants (Specify)	N/A	N/A

[1] PM emission rates for Alternate Operating Scenario were utilized to calculate PTE since they are greater than the emission rates in the Primary Operating Scenario

SURFACE AREA DISTURBANCE FORM

1. Total Acres of the Facility Site: 108
2. Total Acres Disturbed: 40
3. Add Surface Area Disturbance location as Township(s), Range(s) and Section
   T 14 N, R 20 E, Sections 3,4,8,9,10
4. NAC 445B.22037 requires fugitive dust to be controlled (regardless of the size or amount of acreage disturbed), and requires an ongoing program, using best practical methods, to prevent particulate matter from becoming airborne. All activities which have the potential to adversely affect the local air quality must implement all appropriate measures to limit controllable emissions. Appropriate measures for dust control may consist of a phased approach to acreage disturbance rather than disturbing the entire area all at once; using wet suppression through such application methods as water trucks or water spray systems to control wind-blown dust; the application of soil binding agents or chemical surfactant to roadways and areas of disturbed soil; as well as the use of wind-break or wind limiting fencing designed to limit wind erosion soils.
5. If the Surface Area Disturbance is greater than 5 acres, please check each box that applies for Best Management Practices (BMPs) used for controlling dust on project's disturbed areas:

   ☒ Water trucks

   ☒ Graveling/paving of roadway storage areas and staging areas

   ☒ Dust palliatives

   ☐ Posting and limiting vehicle speeds to 10-15 miles per hour

   ☐ Ceasing operations during high wind events

   ☐ Fencing or berming to prevent unauthorized access to disturbed areas

   ☐ Application of water sprays on material storage piles on a regular basis

   ☐ Covering material storage piles with tarpaulin or geo-textiles; tenting

   ☐ Use of overhead water spray racks or water hoses

   ☐ Track-out controls (graveled entranced, exit area, and street sweeping)

   ☒ Landscape preservation and impact avoidance

   ☒ Wind fence

   ☐ Pre-watering of areas to be disturbed (including all unpaved onsite roads and staging areas)

   ☒ Inform all subcontractors (including truck drivers) of their responsibilities for the control of fugitive dust while they are on the project site

   ☐ Training of equipment operators to recognize fugitive dust generation and having the authority to shut down operations until water truck arrives and sprays water on the disturbed areas

   ☐ Other Applicable BMPs:

   ☐ Other Applicable BMPs:

   ☒ If using water trucks, list how many water trucks are used and their capacity in gallons:
   One 5,000-Gallon Water Truck, one 8,000-Gallon Water Truck, and one 4,500-Gallon Water Truck

APPLICATION CERTIFICATION DOCUMENT

(With Required Attachments)

Please check boxes below to indicate the information has been provided in your application submittal:

- ☒ General Company Information Form
- ☒ Facility-Wide Potential to Emit Table
- ☒ Surface Area Disturbance Form
- ☐ Plant Boundary Coordinates Form *if applicable* – *Not Applicable*
- ☐ Plant Building Parameters Form *if applicable* – *Not Applicable*
- ☐ Detailed List of Requested Decrease in Hours of Operation, Decrease in Throughput, Removal of Systems, Emission Units, or Insignificant Activities. *if applicable* – *Not Applicable*
- ☒ Detailed Emission Calculations (for all emission units including IA units)
- ☒ Application Fee Attached or Electronically Submitted
- ☒ Application Certification Document with Original Responsible Official Signature

PLEASE NOTE THE FOLLOWING REQUIREMENTS WHICH APPLY TO PERMIT APPLICANTS DURING THE APPLICATION PROCESS:

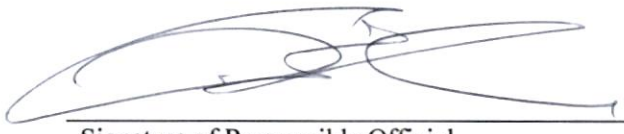
A. A permit applicant must submit supplementary facts or corrected information upon discovery [NAC 445B.297(1)(b)].

B. A permit applicant is required to provide any additional information which the Director requests in writing within the time specified in the Director's request [NAC 445B.297(1)(c)].

C. Submission of fraudulent data or other information may result in prosecution for an alleged criminal offense [NRS 445B.470].

CERTIFICATION:

I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete.



Signature of Responsible Official

Dane Buk, President

Print or Type Name and Title

Date

Attachment 2: Facility-Wide PTE Calculations

Table 1. Detailed Emission Calculations Summary Sheet

Unit Description	Requested Emission Limits (lb/hr)									Requested Emission Limits (ton/yr)								
	Total PM	PM-10	PM-2.5	SO_2	CO	NOx	VOC	Total HAP	CO2-e	Total PM	PM-10	PM-2.5	SO_2	CO	NOx	VOC	Total HAP	CO2-e
System 01 – Compost Screen #1 (Portable)	1.00	0.36	0.05	-	-	-	-	-	-	2.00	0.71	0.11	-	-	-	-	-	-
System 13 - Compost Screen #2 (Portable)	1.00	0.36	0.05	-	-	-	-	-	-	2.00	0.71	0.11	-	-	-	-	-	-
System 02 – Compost Grinder #1 (Portable)	0.84	0.35	0.05	-	-	-	-	-	-	1.68	0.70	0.11	-	-	-	-	-	-
System 14 - Compost Grinder #2 (Portable)	0.84	0.35	0.05	-	-	-	-	-	-	1.68	0.70	0.11	-	-	-	-	-	-
System 03 – Compost Stacker #1 (Portable)	0.30	0.11	0.02	-	-	-	-	-	-	0.60	0.22	0.03	-	-	-	-	-	-
System 15 – Compost Stacker #2 (Portable)	0.30	0.11	0.02	-	-	-	-	-	-	0.60	0.22	0.03	-	-	-	-	-	-
System 16 – Compost Stacker #3 (Portable)	0.30	0.11	0.02	-	-	-	-	-	-	0.60	0.22	0.03	-	-	-	-	-	-
System 17 – Compost Stacker #4 (Portable)	0.30	0.11	0.02	-	-	-	-	-	-	0.60	0.22	0.03	-	-	-	-	-	-
System 18 – Compost Stacker #5 (Portable)	0.30	0.11	0.02	-	-	-	-	-	-	0.60	0.22	0.03	-	-	-	-	-	-
System 19 - Compost Stacker #6 (Portable)	1.20	0.44	0.07	-	-	-	-	-	-	2.40	0.88	0.13	-	-	-	-	-	-
System 04 – Compost Bagger #1 (Portable)	0.15	0.06	0.01	-	-	-	-	-	-	0.49	0.18	0.03	-	-	-	-	-	-
System 05 – Compost Bagger #2 (Portable)	0.15	0.06	0.01	-	-	-	-	-	-	0.49	0.18	0.03	-	-	-	-	-	-
System 06 – Compost Trommel #1 (Portable) (Primary Operating Scenario)	0.78	0.27	0.04	-	-	-	-	-	-	1.55	0.55	0.08	-	-	-	-	-	-
System 20 – Drying Operations Trommel (Portable) (Alternate Operating Scenario)	1.68	0.61	0.09	-	-	-	-	-	-	5.60	2.02	0.30	-	-	-	-	-	-
System 21 – Compost Trommel #2 (Portable)	0.78	0.27	0.04	-	-	-	-	-	-	1.55	0.55	0.08	-	-	-	-	-	-
System 07 – Separator #1 (Portable)	1.62	0.58	0.09	-	-	-	-	-	-	4.33	1.54	0.23	-	-	-	-	-	-
System 22 - Separator #2 (Portable)	1.62	0.58	0.09	-	-	-	-	-	-	4.33	1.54	0.23	-	-	-	-	-	-
System 08 – Feed Hopper (Portable)	0.60	0.22	0.03	-	-	-	-	-	-	1.20	0.44	0.07	-	-	-	-	-	-
System 09 – Blueline System (Stationary)	3.54	1.34	0.20	-	-	-	-	-	-	7.08	2.68	0.41	-	-	-	-	-	-
System 10 – Sort Table (Portable)	0.60	0.22	0.03	-	-	-	-	-	-	1.20	0.44	0.07	-	-	-	-	-	-
System 11 - Almond Wood Chip Dryer (Stationary)	2.15	1.96	1.81	0.01	0.87	1.04	0.06	0.02	See Note 1	7.25	6.61	6.13	0.03	3.82	4.55	0.25	0.09	5,494.58
System 23 – Drying Operations Stacker #1 (Portable)	0.09	0.04	0.01	-	-	-	-	-	-	0.30	0.14	0.02	-	-	-	-	-	-
System 24 – Drying Operations Stacker #2 (Portable)	0.09	0.04	0.01	-	-	-	-	-	-	0.30	0.14	0.02	-	-	-	-	-	-
System 25 – Drying Operations Screen (Portable)	1.95	0.73	0.11	-	-	-	-	-	-	6.50	2.44	0.36	-	-	-	-	-	-
Liquid Storage Tanks	-	-	-	-	-	-	See Note 1	-	-	-	-	-	-	-	-	0.15	-	-
Facility Wide PTE (Primary Operating Scenario)	**20.50**	**8.76**	**2.84**	**0.01**	**0.87**	**1.04**	**0.06**	**0.02**	**See Note 1**	**49.33**	**22.22**	**8.48**	**0.03**	**3.82**	**4.55**	**0.40**	**0.09**	**5,494.58**
Facility Wide PTE (Alternate Operating Scenario)	**21.40**	**9.10**	**2.89**	**0.01**	**0.87**	**1.04**	**0.06**	**0.02**	**See Note 1**	**53.38**	**23.70**	**8.70**	**0.03**	**3.82**	**4.55**	**0.40**	**0.09**	**5,494.58**

Notes

1. VOC emissions from tanks and GHG emissions are only accounted for on an annual basis

Table 2. Industrial Detailed Emission Calculations

Unit No.	Unit Description	Operating Hours		Throughput			Controls		Emissions					References
		Daily	Annual	Hourly	Annual	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 01 – Compost Screen #1 (Portable)														
PF1.001	Material Loading to S1 Hopper	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.002	S1 Hopper to S1 Feed Conveyor	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.003	Compost Screen #1 and Associated Transfers (In: S1 Feed Conveyor; Out: S1 Discharge Conveyor 1, S1 Discharge Conveyor 2, or S1 Discharge Conveyor 3)	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.025	lb/ton	0.625	1.250	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.218	0.435	
									$PM_{2.5}$	0.0013	lb/ton	0.033	0.066	
PF1.004	S1 Discharge Conveyor 1 Transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.040	S1 Discharge Conveyor 2 Transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.041	S1 Discharge Conveyor 3 Transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
System 13 – Compost Screen #2 (Portable)														
PF1.044	Material Loading to S2 Hopper	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.045	S2 Hopper to S2 Feed Conveyor	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.046	Compost Screen #2 and Associated Transfers (In: S2 Feed Conveyor; Out: S2 Discharge Conveyor 1, S2 Discharge Conveyor 2, or S2 Discharge Conveyor 3)	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.025	lb/ton	0.625	1.250	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.218	0.435	
									$PM_{2.5}$	0.0013	lb/ton	0.033	0.066	
PF1.047	S2 Discharge Conveyor 1 transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.048	S2 Discharge Conveyor 2 transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.049	S2 Discharge Conveyor 3 transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
System 02 – Compost Grinder #1 (Portable)														
PF1.005	Compost Grinder #1 and Associated Transfers (In: Material Loading; Out: Grinder #1 Discharge Conveyor)	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.0054	lb/ton	0.540	1.080	AP-42 Table 11.19.2-2: Tertiary Crushing (Uncontrolled)
									PM_{10}	0.0024	lb/ton	0.240	0.480	
									$PM_{2.5}$	0.00036	lb/ton	0.036	0.073	
PF1.006	Grinder #1 Discharge Conveyor Transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 14 - Compost Grinder #2 (Portable)														
PF1.050	Compost Grinder #2 and Associated Transfers (In: Material Loading; Out: Grinder #2 Discharge Conveyor)	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.0054	lb/ton	0.540	1.080	AP-42 Table 11.19.2-2: Tertiary Crushing (Uncontrolled)
									PM_{10}	0.0024	lb/ton	0.240	0.480	
									$PM_{2.5}$	0.00036	lb/ton	0.036	0.073	
PF1.051	Grinder #2 Discharge Conveyor transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 03 – Compost Stacker #1 (Portable)														
PF1.008	Compost Stacker #1 Transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	

Unit No.	Unit Description	Operating Hours		Throughput			Controls		Emissions					References
		Daily	Annual	Hourly	Annual	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 15 – Compost Stacker #2 (Portable)														
PF1.052	Compost Stacker #2 Transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 16 – Compost Stacker #3 (Portable)														
PF1.053	Compost Stacker #3 Transfer to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 17 – Compost Stacker #4 (Portable)														
PF1.054	Compost Stacker #4 to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 18 – Compost Stacker #5 (Portable)														
PF1.055	Compost Stacker #5 to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 19 - Compost Stacker #6 (Portable)														
PF1.056	Material to CS6 Hopper	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.057	CS6 Hopper to CS6 Feed Conveyor	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.058	CS6 Feed Conveyor to Compost Stacker #6	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.059	Compost Stacker #6 to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 04 – Compost Bagger #1 (Portable)														
PF1.009	Compost Bagger #1 Hopper Loading	18	6,570.00	25	164,250	Tons	None	N/A	PM	0.003	lb/ton	0.075	0.246	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.090	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.014	
PF1.010	Compost Bagger #1 and Associated Transfers (IN: Compost Bagger #1 Hopper, OUT: Bags)	18	6,570.00	25	164,250	Tons	None	N/A	PM	0.003	lb/ton	0.075	0.246	
									PM_{10}	0.0011	lb/ton	0.028	0.090	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.014	
System 05 – Compost Bagger #2 (Portable)														
PF1.011	Compost Bagger #2 Hopper Loading	18	6,570.00	25	164,250	Tons	None	N/A	PM	0.003	lb/ton	0.075	0.246	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.090	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.014	
PF1.012	Compost Bagger #2 and Associated Transfers (In: Compost Bagger #2 Hopper, Out: Bags)	18	6,570.00	25	164,250	Tons	None	N/A	PM	0.003	lb/ton	0.075	0.246	
									PM_{10}	0.0011	lb/ton	0.028	0.090	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.014	
System 06 – Compost Trommel #1 (Portable) (Primary Operating Scenario)														
PF1.013	Compost Trommel #1 and Associated Transfers (In: Material Loading; Out: CT1 Discharge Conveyor 1 and CT1 Discharge Conveyor 2)	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.025	lb/ton	0.625	1.250	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.218	0.435	
									$PM_{2.5}$	0.0013	lb/ton	0.033	0.066	
PF1.014	CT1 Discharge Conveyor 1 to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.042	CT1 Discharge Conveyor 2 to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	

Unit No.	Unit Description	Operating Hours		Throughput			Controls		Emissions					References
		Daily	Annual	Hourly	Annual	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 20 – Drying Operations Trommel (Portable) (Alternate Operating Scenario)														
PF1.060	Drying Operations Trommel and Associated Transfers (In: Material Loading; Out: DOT Discharge Conveyor 1 and DOT Discharge Conveyor 2)	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.025	lb/ton	1.500	5.000	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.522	1.740	
									$PM_{2.5}$	0.0013	lb/ton	0.079	0.263	
PF1.061	DOT Discharge Conveyor 1 to Stockpile or Other Equipment	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	EPA Region 10 Particulate Matter Potential to Emit Emission Factor for Activities at Sawmills - "Drop" of "dry" material from one surface to another
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
PF1.062	DOT Discharge Conveyor 2 to Stockpile or Other Equipment	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
System 21 – Compost Trommel #2 (Portable)														
PF1.063	Compost Trommel #2 and Associated Transfers (In: Material Loading; Out: CT2 Discharge Conveyor 1 and CT2 Discharge Conveyor 2)	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.025	lb/ton	0.625	1.250	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.218	0.435	
									$PM_{2.5}$	0.0013	lb/ton	0.033	0.066	
PF1.064	CT2 Discharge Conveyor 1 to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
PF1.065	CT2 Discharge Conveyor 2 to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	Water Sprays	75%	PM	0.003	lb/ton	0.075	0.150	
									PM_{10}	0.0011	lb/ton	0.028	0.055	
									$PM_{2.5}$	0.00017	lb/ton	0.004	0.008	
System 07 – Separator #1 (Portable)														
PF1.015	Material to Separator #1 Hopper	18	6,570.00	75	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.225	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.083	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.012	0.033	
PF1.016	Separator #1 and Associated Transfers (In: Separator #1 Hopper, Out: Separator #1 Conveyor 1 or Separator #1 Conveyor 2)	18	6,570.00	75	400,000	Tons	Enclosed	50%	PM	0.025	lb/ton	0.938	2.500	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.326	0.870	
									$PM_{2.5}$	0.0013	lb/ton	0.049	0.132	
PF1.017	Separator #1 Conveyor 1 to Stockpile or Other Equipment	18	6,570.00	75	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.225	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.083	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.012	0.033	
PF1.018	Separator #1 Conveyor 2 to Stockpile or Other Equipment	18	6,570.00	75	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.225	0.600	
									PM_{10}	0.0011	lb/ton	0.083	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.012	0.033	
PF1.043	Separator #1 Blower (Fully Enclosed) Discharge to Enclosed Bin	18	6,570.00	7.5	40,000	Tons	Enclosed	50%	PM	0.003	lb/ton	0.011	0.030	
									PM_{10}	0.0011	lb/ton	0.004	0.011	
									$PM_{2.5}$	0.00017	lb/ton	6.25E-04	1.67E-03	
System 22 - Separator #2 (Portable)														
PF1.066	Material to Separator #2 Hopper	18	6,570.00	75	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.225	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.083	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.012	0.033	
PF1.067	Separator #2 and Associated Transfers (In: Separator #2 Hopper, Out: Separator #2 Conveyor 1 or Separator #2 Conveyor 2)	18	6,570.00	75	400,000	Tons	Enclosed	50%	PM	0.025	lb/ton	0.938	2.500	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.326	0.870	
									$PM_{2.5}$	0.0013	lb/ton	0.049	0.132	
PF1.068	Separator #2 Conveyor 1 to Stockpile or Other Equipment	18	6,570.00	75	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.225	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.083	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.012	0.033	
PF1.069	Separator #2 Conveyor 2 to Stockpile or Other Equipment	18	6,570.00	75	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.225	0.600	
									PM_{10}	0.0011	lb/ton	0.083	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.012	0.033	
PF1.070	Separator #2 Blower Discharge to Enclosed Bin	18	6,570.00	7.5	40,000	Tons	Enclosed	50%	PM	0.003	lb/ton	0.011	0.030	
									PM_{10}	0.0011	lb/ton	0.004	0.011	
									$PM_{2.5}$	0.00017	lb/ton	6.25E-04	1.67E-03	
System 08 – Feed Hopper (Portable)														
PF1.021	Feed Hopper Material Loading	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.022	Feed Hopper Material Unloading to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	

Unit No.	Unit Description	Operating Hours		Throughput			Controls		Emissions					References
		Daily	Annual	Hourly	Annual	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 09 – Blueline System (Stationary)														
PF1.023	Material Loading to Wobbler Feeder 1	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.024	Material Loading to Wobbler Feeder 2	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.025	Wobbler Feeder 1 to Oversize Conveyor or Undersize Conveyor	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.026	Wobbler Feeder 2 to Oversize Conveyor or Undersize Conveyor	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.027	Blueline Grinder & Associated Transfers (In: Oversize Conveyor, Out: Undersize Conveyor)	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.0054	lb/ton	0.540	1.080	AP-42 Table 11.19.2-2: Tertiary Crushing (Uncontrolled)
									PM_{10}	0.0024	lb/ton	0.240	0.480	
									$PM_{2.5}$	0.00036	lb/ton	0.036	0.073	
PF1.028	Feeder Hopper 1 Loading	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.029	Feeder Hopper 2 Loading	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.030	Feeder Hopper 1 Unloading to Undersize Conveyor	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.031	Feeder Hopper 2 Unloading to Undersize Conveyor	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.032	Undersize Conveyor transfer to Blueline Stacker	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.033	Blueline Stacker to Stockpile or Other Equipment	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 10 – Sort Table (Portable)														
PF1.034	Soft Material Loading	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	AP-42 Table 11.19.2-2: Conveyor Transfer Point (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
PF1.035	Sort Table Material Discharge	18	6,570.00	100	400,000	Tons	None	N/A	PM	0.003	lb/ton	0.300	0.600	
									PM_{10}	0.0011	lb/ton	0.110	0.220	
									$PM_{2.5}$	0.00017	lb/ton	0.017	0.033	
System 11 - Almond Wood Chip Dryer (Stationary)														
PF1.036	Material Loading to Screw Auger 1	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	EPA Region 10 Particulate Matter Potential to Emit Emission Factor for Activities at Sawmills - "Drop" of "dry" material from one surface to another
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
S2.001	Almond Wood Chip Dryer and Associated Transfers (In: Screw Auger 1; Out: Screw Auger 2)	24	8,760.00	60	400,000	Tons	Baghouse	26,957	PM	0.0190	lb/ton	1.711	5.702	Pound/Ton Emission Factor Derived From November 2023 Source Testing Results with 1.5x Safety Factor
									PM_{10}	0.0190	lb/ton	1.711	5.702	
									$PM_{2.5}$	0.0190	lb/ton	1.711	5.702	
PF1.037	Screw Auger 2 to Product Conveyor	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	EPA Region 10 Particulate Matter Potential to Emit Emission Factor for Activities at Sawmills - "Drop" of "dry" material from one surface to another
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
PF1.038	Baghouse Solids to Product Conveyor	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
PF1.039	Product Conveyor to Material Discharge	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	

Unit No.	Unit Description	Operating Hours		Throughput			Controls		Emissions					References
		Daily	Annual	Hourly	Annual	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 23 – Drying Operations Stacker #1 (Portable)														
PF1.071	Drying Operations Stacker #1 to Stockpile or Other Equipment	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	EPA Region 10 Particulate Matter Potential to Emit Emission Factor for Activities at Sawmills - "Drop" of "dry" material from one surface to another
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
System 24 – Drying Operations Stacker #2 (Portable)														
PF1.072	Drying Operations Stacker #2 to Stockpile or Other Equipment	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	EPA Region 10 Particulate Matter Potential to Emit Emission Factor for Activities at Sawmills - "Drop" of "dry" material from one surface to another
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
System 25 – Drying Operations Screen (Portable)														
PF1.073	Material Loading to DOS Hopper	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	EPA Region 10 Particulate Matter Potential to Emit Emission Factor for Activities at Sawmills - "Drop" of "dry" material from one surface to another
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
PF1.074	DOS Hopper to DOS Feed Conveyor	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
PF1.075	Drying Operations Screen and Associated Transfers (In: DOS Feed Conveyor; Out: DOS Discharge Conveyor #1, DOS Discharge Conveyor #2, or DOS Discharge Conveyor #3)	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.025	lb/ton	1.500	5.000	AP-42 Table 11.19.2-2: Screening (Uncontrolled) PM2.5 = PM10*(0.053/0.35)
									PM_{10}	0.0087	lb/ton	0.522	1.740	
									$PM_{2.5}$	0.0013	lb/ton	0.079	0.263	
PF1.076	DOS Discharge Conveyor #1 Transfer to Stockpile or Other Equipment	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	EPA Region 10 Particulate Matter Potential to Emit Emission Factor for Activities at Sawmills - "Drop" of "dry" material from one surface to another
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
PF1.077	DOS Discharge Conveyor #2 Transfer to Stockpile or Other Equipment	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	
PF1.078	DOS Discharge Conveyor #3 Transfer to Stockpile or Other Equipment	24	8,760.00	60	400,000	Tons	None	N/A	PM	0.0015	lb/ton	0.090	0.300	
									PM_{10}	0.0007	lb/ton	0.042	0.140	
									$PM_{2.5}$	0.0001	lb/ton	0.006	0.020	

Table 3. Combustion Criteria Pollutant Emissions

Unit No.	Unit Description	Operating Hours		Heat Input			Fuel Usage[1,2]			Emissions					References
		Daily	Annual	Hourly	Annual	Units	Hourly	Annual	Units	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 11 - Almond Wood Chip Dryer (Stationary)															
S2.001	Almond Wood Chip Dryer	24	8,760.00	10.6	92,856.00	MMBtu	10,392.16	91,035,294.12	scf	PM	7.6	lb/MMscf	0.0790	0.3459	AP-42 Table 1.4-1 and 1.4-2
										PM_{10}	7.6	lb/MMscf	0.0790	0.3459	
										$PM_{2.5}$	7.6	lb/MMscf	0.0790	0.3459	
										SO_2	0.6	lb/MMscf	0.0062	0.0273	
										NOx	100	lb/MMscf	1.0392	4.5518	
										CO	84	lb/MMscf	0.8729	3.8235	
										VOC	5.5	lb/MMscf	0.0572	0.2503	

1. Hourly Fuel Usage (scf) = Hourly Heat Input (MMBtu) * 10^6 (scf) / 1,020 (MMBtu)
2. Annual Fuel Usage (scf) = Hourly Fuel Usage (scf) * Annual Operating hours (hr/yr)

Table 4. Combustion Green House Gas Emissions

Unit No.	Unit Description	Operating Hours		Heat Input			Fuel Usage[1,2]			Emissions					References
		Daily	Annual	Hourly	Annual	Units	Hourly	Annual	Units	Pollutant	Factor (lb/MMBtu)	GWP Multiplier	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 11 - Almond Wood Chip Dryer (Stationary)															
S2.001	Almond Wood Chip Dryer	24	8,760.00	10.6	92,856.00	MMBtu	10,392.16	91,035,294.12	scf	CO_2	117.6	1	1,247.06	5,462.12	AP-42 Table 1.4-2
										CH_4	0.0023	25	0.5975	2.62	
										N_2O	0.0022	298	6.81	29.84	
										Total GHG Emissions			1,254.47	5,494.58	

1. Hourly Fuel Usage (scf) = Hourly Heat Input (MMBtu) * 10^6 (scf) / 1,020 (MMBtu)
2. Annual Fuel Usage (scf) = Hourly Fuel Usage (scf) * Annual Operating hours (hr/yr)

Table 5. Combustion Hazardous Air Polutant Emissions

Unit No.	Unit Description	Operating Hours		Heat Input			Fuel Usage[1,2]			Emissions					References
		Daily	Annual	Hourly	Annual	Units	Hourly	Annual	Units	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 11 - Almond Wood Chip Dryer (Stationary)															
S2.001	Almond Wood Chip Dryer	24	8,760.00	10.6	92,856.00	MMBtu	10,392.16	91,035,294.12	scf	2-Methylnaphthalene	2.40E-05	lb/MMscf	2.49E-07	1.09E-06	AP-42, Section 1.4, Tables 1.4-3 and 1.4-4. AP-42, Section 1.4, Table 1.4-2 .
										3-Methylcholanthrene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										7,12-Dimethylbenz(a)anthracene	1.60E-05	lb/MMscf	1.66E-07	7.28E-07	
										Acenaphthene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										Acenaphthylene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										Anthracene	2.40E-06	lb/MMscf	2.49E-08	1.09E-07	
										Benz(a)anthracene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										Benzene	2.10E-03	lb/MMscf	2.18E-05	9.56E-05	
										Benzo(a)pyrene	1.20E-06	lb/MMscf	1.25E-08	5.46E-08	
										Benzo(b)fluoranthene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										Benzo(g,h,i)perylene	1.20E-06	lb/MMscf	1.25E-08	5.46E-08	
										Benzo(k)fluoranthene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										Chrysene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										Dibenzo(a,h)anthracene	1.20E-06	lb/MMscf	1.25E-08	5.46E-08	
										Dichlorobenzene	1.20E-03	lb/MMscf	1.25E-05	5.46E-05	
										Fluoranthene	3.00E-06	lb/MMscf	3.12E-08	1.37E-07	
										Fluorene	2.80E-06	lb/MMscf	2.91E-08	1.27E-07	
										Formaldehyde	7.50E-02	lb/MMscf	7.79E-04	3.41E-03	
										Hexane	1.80E+00	lb/MMscf	1.87E-02	8.19E-02	
										Indeno(1,2,3-cd)pyrene	1.80E-06	lb/MMscf	1.87E-08	8.19E-08	
										Naphthalene	6.10E-04	lb/MMscf	6.34E-06	2.78E-05	
										Phenanathrene	1.70E-05	lb/MMscf	1.77E-07	7.74E-07	
										Pyrene	5.00E-06	lb/MMscf	5.20E-08	2.28E-07	
										Toluene	3.40E-03	lb/MMscf	3.53E-05	1.55E-04	
										Arsenic	2.00E-04	lb/MMscf	2.08E-06	9.10E-06	
										Beryllium	1.20E-05	lb/MMscf	1.25E-07	5.46E-07	
										Cadmium	1.10E-03	lb/MMscf	1.14E-05	5.01E-05	
										Chromium	1.40E-03	lb/MMscf	1.45E-05	6.37E-05	
										Cobalt	8.40E-05	lb/MMscf	8.73E-07	3.82E-06	
										Lead	5.00E-04	lb/MMscf	5.20E-06	2.28E-05	
										Manganese	3.80E-04	lb/MMscf	3.95E-06	1.73E-05	
										Mercury	2.60E-04	lb/MMscf	2.70E-06	1.18E-05	
										Nickel	2.10E-03	lb/MMscf	2.18E-05	9.56E-05	
										Selenium	2.40E-05	lb/MMscf	2.49E-07	1.09E-06	
										Total HAP. Emissions			0.020	0.086	

1. Hourly Fuel Usage (scf) = Hourly Heat Input (MMBtu) * 10^6 (scf) / 1,020 (MMBtu)
2. Annual Fuel Usage (scf) = Hourly Fuel Usage (scf) * Annual Operating hours (hr/yr)

Table 6. Storage Tank Detailed Emission Calculations

Unit No.	Unit Description	Operating Hours		Throughput[1,2]			Emissions					References
		Daily	Annual	Hourly	Annual	Units	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)	
System 12 - 250 Gallon Gasoline Tank												
S2.002	250 Gallon Gasoline Tank	24	8,760	0.23	2,000	scf	VOC	93.04	lb/1,000 gal	0.021	0.093	TANKS 4.0.9d
IA - 1,000 Gallon Diesel Tank												
1.001	1,000 Gallon Diesel Tank	24	8,760	2.3	19,972.8	scf	VOC	6.00	lb/1,000 gal	0.014	0.060	TANKS 4.0.9d
Total Tank Emissions												
							Total Tank VOC Emissions			0.035	0.153	

1. Hourly Throughput (scf) = Hourly Heat Input (MMBtu) * 10^6 (scf) / 1,020 (MMBtu)
2. Annual Throughput (scf) = Hourly Fuel Usage (scf) * Annual Operating hours (hr/yr)

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	250 Gallon Gasoline Tank
City:	Carson City
State:	Nevada
Company:	Nevada Organics
Type of Tank:	Horizontal Tank
Description:	

Tank Dimensions

Shell Length (ft):	5.00
Diameter (ft):	3.00
Volume (gallons):	250.00
Turnovers:	8.00
Net Throughput(gal/yr):	2,000.00
Is Tank Heated (y/n):	N
Is Tank Underground (y/n):	N

Paint Characteristics

Shell Color/Shade:	Gray/Medium
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meterological Data used in Emissions Calculations: Reno, Nevada (Avg Atmospheric Pressure = 12.57 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

250 Gallon Gasoline Tank - Horizontal Tank
Carson City, Nevada

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Gasoline (RVP 10)	All	60.97	47.65	74.29	53.82	5.2841	4.0576	6.7912	66.0000			92.00	Option 4: RVP=10, ASTM Slope=3

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

250 Gallon Gasoline Tank - Horizontal Tank
Carson City, Nevada

Annual Emission Calcaulations	
Standing Losses (lb):	169.4620
Vapor Space Volume (cu ft):	22.5114
Vapor Density (lb/cu ft):	0.0624
Vapor Space Expansion Factor:	0.4692
Vented Vapor Saturation Factor:	0.7042
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	22.5114
Tank Diameter (ft):	3.0000
Effective Diameter (ft):	4.3713
Vapor Space Outage (ft):	1.5000
Tank Shell Length (ft):	5.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0624
Vapor Molecular Weight (lb/lb-mole):	66.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	5.2841
Daily Avg. Liquid Surface Temp. (deg. R):	520.6406
Daily Average Ambient Temp. (deg. F):	50.7417
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	513.4917
Tank Paint Solar Absorptance (Shell):	0.6800
Daily Total Solar Insulation Factor (Btu/sqft day):	1,583.0451
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.4692
Daily Vapor Temperature Range (deg. R):	53.2772
Daily Vapor Pressure Range (psia):	2.7335
Breather Vent Press. Setting Range(psia):	0.0600
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	5.2841
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	4.0576
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	6.7912
Daily Avg. Liquid Surface Temp. (deg R):	520.6406
Daily Min. Liquid Surface Temp. (deg R):	507.3213
Daily Max. Liquid Surface Temp. (deg R):	533.9599
Daily Ambient Temp. Range (deg. R):	32.1333
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.7042
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	5.2841
Vapor Space Outage (ft):	1.5000
Working Losses (lb):	16.6071
Vapor Molecular Weight (lb/lb-mole):	66.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	5.2841
Annual Net Throughput (gal/yr.):	2,000.0000
Annual Turnovers:	8.0000
Turnover Factor:	1.0000
Tank Diameter (ft):	3.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	186.0691

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

250 Gallon Gasoline Tank - Horizontal Tank
Carson City, Nevada

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Gasoline (RVP 10)	16.61	169.46	186.07

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	1000 Gallon Diesel Tank
City:	
State:	
Company:	
Type of Tank:	Horizontal Tank
Description:	

Tank Dimensions

Shell Length (ft):		11.00
Diameter (ft):		4.00
Volume (gallons):		1,000.00
Turnovers:		20.00
Net Throughput(gal/yr):		20,000.00
Is Tank Heated (y/n):	N	
Is Tank Underground (y/n):	N	

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meterological Data used in Emissions Calculations: Reno, Nevada (Avg Atmospheric Pressure = 12.57 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

1000 Gallon Diesel Tank - Horizontal Tank

Mixture/Component	Month	Daily Liquid Surf Temperature (deg F) Avg	Min	Max	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg	Min	Max	Vapor Mol Weight	Liquid Mass Fract	Vapor Mass Fract	Mol Weight	Basis for Vapor Pressure Calculations
Crude oil (RVP 5)	All	52.88	45.21	60.55	50.76	2.4973	2.1341	2.9088	50.0000			207.00	Option 4: RVP=5

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

1000 Gallon Diesel Tank - Horizontal Tank

Annual Emission Calculations	
Standing Losses (lb):	75.4442
Vapor Space Volume (cu ft):	88.0446
Vapor Density (lb/cu ft):	0.0227
Vapor Space Expansion Factor:	0.1308
Vented Vapor Saturation Factor:	0.7907
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	88.0446
Tank Diameter (ft):	4.0000
Effective Diameter (ft):	7.4867
Vapor Space Outage (ft):	2.0000
Tank Shell Length (ft):	11.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0227
Vapor Molecular Weight (lb/lb-mole):	50.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	2.4973
Daily Avg. Liquid Surface Temp. (deg. R):	512.5489
Daily Average Ambient Temp. (deg. F):	50.7417
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	510.4317
Tank Paint Solar Absorptance (Shell):	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	1,583.0451
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.1308
Daily Vapor Temperature Range (deg. R):	30.6713
Daily Vapor Pressure Range (psia):	0.7747
Breather Vent Press. Setting Range(psia):	0.0600
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	2.4973
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	2.1341
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	2.9088
Daily Avg. Liquid Surface Temp. (deg R):	512.5489
Daily Min. Liquid Surface Temp. (deg R):	504.8811
Daily Max. Liquid Surface Temp. (deg R):	520.2167
Daily Ambient Temp. Range (deg. R):	32.1333
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.7907
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	2.4973
Vapor Space Outage (ft):	2.0000
Working Losses (lb):	44.5951
Vapor Molecular Weight (lb/lb-mole):	50.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	2.4973
Annual Net Throughput (gal/yr.):	20,000.0000
Annual Turnovers:	20.0000
Turnover Factor:	1.0000
Tank Diameter (ft):	4.0000
Working Loss Product Factor:	0.7500
Total Losses (lb):	120.0392

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

1000 Gallon Diesel Tank - Horizontal Tank

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Crude oil (RVP 5)	44.60	75.44	120.04