

# Class II

Air Quality Operating Permit for Temporary Construction  
Sources Change of Location Approval Request Form

## Guidance Document

Guide for completing the application for a Change Of  
Location Approval Request Form



**NDEP**

Nevada Division of Environmental Protection  
Bureau of Air Pollution Control  
901 South Stewart Street, Suite 4001  
Carson City, NV 89701  
(775) 687-9349



*Our goal is to achieve and maintain levels of air quality that will protect human health, prevent injury to plant and animal life, prevent damage to property, and preserve the scenic, historical, and aesthetic treasures of the state*

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# ACRONYMS AND ABBREVIATIONS

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| ACFM              | Actual Cubic Feet per Minute                                                                   |
| AQOP              | Air Quality Operating Permit                                                                   |
| BAPC              | Bureau of Air Pollution<br>Control                                                             |
| BAQP              | Bureau of Air Quality<br>Planning                                                              |
| CFR               | Code of Federal Regulations                                                                    |
| CO                | Carbon Monoxide                                                                                |
| COLA              | Change of Location Approval                                                                    |
| HA                | Hydrographic Area (Basin)                                                                      |
| hr                | Hour                                                                                           |
| lb                | Pound                                                                                          |
| N/A               | Not Applicable                                                                                 |
| NAC               | Nevada Administrative Code                                                                     |
| NAD 83            | North American Datum of<br>1983                                                                |
| NDEP              | Nevada Division of<br>Environmental Protection                                                 |
| NO <sub>x</sub>   | Oxides of Nitrogen                                                                             |
| NRS               | Nevada Revised Statutes                                                                        |
| NSPS              | New Source Performance<br>Standards                                                            |
| PM                | Particulate Matter                                                                             |
| PM <sub>10</sub>  | Particulate Matter with an<br>Aerodynamic Diameter Less<br>Than or Equal to 10<br>Micrometers  |
| PM <sub>2.5</sub> | Particulate Matter with an<br>Aerodynamic Diameter Less<br>Than or Equal to 2.5<br>Micrometers |
| RO                | Responsible Official                                                                           |
| SO <sub>2</sub>   | Sulfur Dioxide                                                                                 |
| U.S.C             | United States Code                                                                             |
| UTM               | Universal Transverse<br>Mercator                                                               |
| VOC               | Volatile Organic Compounds                                                                     |

# INTRODUCTION

This document is a detailed guide for completing an application for a Class II General Air Quality Operating Permit For Temporary Construction Sources Change of Location Approval Request Form (COLA Request Form).

For additional questions, call (775) 687-9349.

This [guide and its associated application forms](#) can be found on the Nevada Division of Environmental Protection (NDEP) website.

## TWO THINGS TO REMEMBER BEFORE STARTING

1. When filling out the application, complete every blank or explain why no information is provided. Specify "N/A" (Not Applicable) if necessary. **Fields that are left blank may cause a delay in the processing time.**
2. If **revising a permit**, the facility must still submit all pages of the application and attachments.

## APPLICATION SUBMITTAL AND PROCESSING TIMELINE

In order to start processing the application, both the application packet and fee must be received in accordance with [NAC 445B.327](#).

Mail or hand deliver the application and fee(s), payable by check, to the following address:

Nevada Division of Environmental Protection  
Bureau of Air Pollution Control, Class II Permitting Branch  
901 South Stewart Street, Suite 4001  
Carson City, Nevada 89701-5249

Fees may also be [submitted online](#).

When submitting an electronic payment, include the facility's name and, if applicable, its existing permit number and facility identification number.

The application and fees are date stamped when received. The regulatory time frame allocates 10 working days in accordance with [NAC 445B.331](#).



### **Bind the physical copies of the application.**

Ensure the physical application contains the wet signature of the responsible official on the Certification Document page (See ["Application Certification Document"](#)).

# 1. COVER PAGE

The cover page is the first page of the application, which includes the type of application and whether the facility is new or existing.

**Company Name** – Please put the name of the company that is requesting the COLA here. Specific company information will be requested on page 3 of the COLA Request Form.

**Class II General Permit No.** – This refers to the existing permit number located in the header section of the Class II General Air Quality Operating Permit For Temporary Construction Sources. (**Example:** Permit No. AP1499-3576). If the facility has applied for the Class II General Air Quality Operating Permit For Temporary Construction Sources at the same time as applying for a COLA, specify “N/A.”

**Number of Emission Units Requested or Revised** – Specify how many emission units are in the application or how many units you will be changing in a previously issued COLA.

# 2. IMPORTANT INFORMATION

The application contains a section titled “Important Information.” Read this information carefully before completing the application. It contains a list of application forms, due dates, regulations, and fee(s) associated with a permit.

# 3. GENERAL COMPANY INFORMATION FORM

The General Company Information Form requests a brief description of the operations of the facility, the contact and mailing information of the company, the responsible official (RO) of the facility, the plant manager or other appropriate contact, and the location and driving directions to the facility.

**Section 1: Company name and address** — Provide the company name and address as you want it to appear on the permit.

**Section 2: Responsible official** — Provide the name, title, and mailing address for the responsible official (RO). If the facility already has an air permit, the RO should be the same as what the BAPC already has on file.

**The RO can be:**<sup>1</sup>

1. For a corporation:
    - (a) A president;
    - (b) A vice president in charge of a principal business function;
    - (c) A secretary;
    - (d) A treasurer; or
- 

<sup>1</sup> [NAC 445B.156](#)

- (e) An authorized representative of such a person who is responsible for the overall operation of the facility and who is designated in writing by an officer of the corporation and approved in advance by the director of the Nevada Department of Conservation and Natural Resources.
2. For a partnership or sole proprietorship, a general partner or the proprietor, respectively.
  3. For a municipality or a state, federal, or other public agency, a ranking elected official or a principal executive officer, including, for a federal agency, a chief executive officer who has responsibility for the overall operations of a principal geographic unit of the agency.
  4. For an affected source, the designated representative or his or her alternate, as defined in [42 U.S.C. § 7651a\(26\)](#).

**Section 3: Location and driving directions to the facility:**

- Provide the hydrographic area (HA) number(s) and name(s), township(s), range(s), and section(s) of the facility;
- Provide the Universal Transverse Mercator (UTM) coordinates of the front gate of the facility. The UTM coordinates must be in metric units using North American Datum of 1983 (NAD 83), Zone 11;
- Describe the location of the facility with respect to the nearest road and city (such as 8<sup>th</sup> Street, Wells, Nevada) and the county the facility is located in;
- Provide driving directions from nearest city to the facility.



**Find the right maps.**

The BAPC keeps online maps that can help determine HA basin number and names; township, section, and range; and UTM coordinates.

[Maps can be found online](#)

**Section 4: Does any other temporary or stationary source exist at this proposed COLA request location?** — If you are applying for a COLA where another temporary source already holds a permit you will need to discuss the situation with the BAPC. If you are applying for a COLA that is at a site that holds a Class I or Class II stationary air quality operating permit a modeling demonstration will need to be submitted with the COLA application (typically completed by the stationary source); these COLA's will take 30 days to process rather than the typical 10 working days.

**Section 5: Does the proposed COLA request project disturb more than 5 acres of land?**

— If your project will be disturbing more than 5 acres of land then you will need to also submit an application for a Surface Area Disturbance permit and associated fees. The application can be found here: <https://ndep.nv.gov/air/permitting/download-permit-forms>  
Application fees can be found here:

[https://ndep.nv.gov/uploads/air-aqm-docs/200701\\_ndep\\_air\\_program\\_application\\_fees.pdf](https://ndep.nv.gov/uploads/air-aqm-docs/200701_ndep_air_program_application_fees.pdf)

**Section 6: Does the COLA request include a Hot Mix Asphalt plant?** — If you will be operating a hot mix asphalt plant with the requested COLA please check yes and provide the date of the last source test that was completed for the asphalt plant.

**Section 7: Which type of COLA are you applying for?** — Please choose which option best fits your facility.

**Section 8: What is the minimum setback of equipment from public access and maximum hours of operation?** — When choosing a minimum setback please choose the option for where any piece of equipment will be the closest to the fence line or where the public has access. For the maximum hours of operation please choose the maximum hours you could operate for the COLA.

## 4. DETAILED EMISSION CALCULATIONS: FORMS 1A AND 1B

Tables for detailed emission calculations has been provided in Form 1A and Form 1B. Form 1A is to be utilized for units that only have emissions from particulate matter such as crushers or conveyor transfers. Form 1B is to be utilized for units that emit gaseous emissions such as a natural gas fired dryer. The submitted detailed emission calculations do not need to follow the same format as those provided by the BAPC, as long as all of the information is included.

### 4.1 Emission Unit Description

Give each emission unit a name. Emission units can be grouped in systems (Example: System 1 – Conveyor 1; System 1 – Screen 1; etc.). A system contains emission units that are part of the same process (Example: Crushing Plant- a screening process and associated conveyors) or are controlled by the same air pollution control equipment (Example: all stacks lead to one baghouse).

### 4.2 Operating Hours

Specify maximum daily hours you intend to operate. These calculations should match the operating hours you answered for Question 8 of the General Company Information section of the application.

### 4.3 Emissions Control Technology

Provide the type of control equipment used (baghouse, bin vent, enclosure, water spray, wet scrubber, etc.) and add a label and number (Example: Baghouse BH-1). If an emission unit is not equipped with control equipment, write “no control” in this section.

### 4.4 Emission Factors

Emission factors are used to calculate the requested emission limits for regulated pollutants and are pre-defined for COLA applications. The throughput rate with the emission factor gives the emission limit of a pollutant. The emission factors that are to be utilized are in the tables in the General Permit for Temporary Construction Sources but have also been provided below.

| Nonmetallic Minerals Crushing and Screening                                                                                                                                                                                                                                                                                                                                       |                          |                  |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|-------------------|
| Emission Unit                                                                                                                                                                                                                                                                                                                                                                     | Emission Factor (lb/ton) |                  |                   |
|                                                                                                                                                                                                                                                                                                                                                                                   | PM                       | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Loader to Feeder or Bin - Controlled <sup>1</sup>                                                                                                                                                                                                                                                                                                                                 | 0.00014                  | 0.000046         | 0.000013          |
| Loader to Feeder or Bin - Uncontrolled                                                                                                                                                                                                                                                                                                                                            | 0.0030                   | 0.0011           | 0.00017           |
| Crusher - Controlled <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                 | 0.0012                   | 0.00054          | 0.00010           |
| Screen - Controlled <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                  | 0.0022                   | 0.00074          | 0.000050          |
| Conveyor Transfer Point - Controlled <sup>1</sup>                                                                                                                                                                                                                                                                                                                                 | 0.00014                  | 0.000046         | 0.000013          |
| <b>Notes:</b><br>(1) The emission factors listed for controlled emissions require wet dust suppression located at each emission unit and transfer point. Wet dust suppression consists of water sprays, fogging water sprays, fogging water sprays with chemical surfactant, or pneumatic fogging water sprays. Pre-wetting of material does not constitute wet dust suppression. |                          |                  |                   |

| Hot Mix Asphalt Plant                                                                                                                                |                          |                  |                   |                 |                 |        |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|-------------------|-----------------|-----------------|--------|--------|
| Emission Unit                                                                                                                                        | Emission Factor (lb/ton) |                  |                   |                 |                 |        |        |
|                                                                                                                                                      | PM                       | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>x</sub> | SO <sub>2</sub> | CO     | VOC    |
| Hot Mix Asphalt Plant - No.2 Fuel Oil Fired Dryer - Controlled <sup>1</sup>                                                                          | 0.045                    | 0.045            | 0.045             | 0.055           | 0.011           | 0.13   | 0.032  |
| Hot Mix Asphalt Plant - Natural Gas Fired Dryer - Controlled <sup>1</sup>                                                                            | 0.045                    | 0.045            | 0.045             | 0.026           | 0.0034          | 0.13   | 0.032  |
| Hot Mix Asphalt Plant - Waste Oil Fired Dryer - Controlled <sup>1</sup>                                                                              | 0.045                    | 0.045            | 0.045             | 0.055           | 0.058           | 0.13   | 0.032  |
| Hot Mix Asphalt Plant - No.2 Fuel Oil Fired Dryer - Controlled <sup>2</sup>                                                                          | 0.020                    | 0.020            | 0.020             | 0.055           | 0.011           | 0.13   | 0.032  |
| Hot Mix Asphalt Plant - Natural Gas Fired Dryer - Controlled <sup>2</sup>                                                                            | 0.033                    | 0.033            | 0.033             | 0.026           | 0.0034          | 0.13   | 0.032  |
| Hot Mix Asphalt Plant - Waste Oil Fired Dryer - Controlled <sup>2</sup>                                                                              | 0.033                    | 0.033            | 0.033             | 0.055           | 0.058           | 0.13   | 0.032  |
| Cold Aggregate/RAP <sup>4</sup> Bin Feeders - Controlled <sup>3</sup>                                                                                | 0.00014                  | 0.000046         | 0.000013          | -               | -               | -      | -      |
| Cold Aggregate/RAP <sup>4</sup> Bin Feeders - Uncontrolled                                                                                           | 0.0030                   | 0.0011           | 0.00017           | -               | -               | -      | -      |
| Cold Aggregate/RAP <sup>4</sup> Bin Discharge - Controlled <sup>3</sup>                                                                              | 0.00014                  | 0.000046         | 0.000013          | -               | -               | -      | -      |
| Cold Aggregate/RAP <sup>4</sup> Bin Discharge - Uncontrolled                                                                                         | 0.0030                   | 0.0011           | 0.00017           | -               | -               | -      | -      |
| Drum Dryer Discharge to Conveyor - Uncontrolled                                                                                                      | 0.00052                  | 0.00052          | 0.00052           | -               | -               | 0.0013 | 0.0042 |
| Hot Mix Asphalt Silo Loading - Uncontrolled                                                                                                          | 0.00059                  | 0.00059          | 0.00059           | -               | -               | 0.0012 | 0.0122 |
| Hot Mix Asphalt Silo Discharge - Uncontrolled                                                                                                        | 0.00052                  | 0.00052          | 0.00052           | -               | -               | 0.0013 | 0.0042 |
| <b>Notes:</b><br>(1) Wet Scrubber Required<br>(2) Bag House Required<br>(3) Wet Dust Suppression Required<br>(4) Reclaimed/Recycled Asphalt Pavement |                          |                  |                   |                 |                 |        |        |

| Lime Marination Plant                                                                                           |                          |                  |                   |
|-----------------------------------------------------------------------------------------------------------------|--------------------------|------------------|-------------------|
| Emission Unit                                                                                                   | Emission Factor (lb/ton) |                  |                   |
|                                                                                                                 | PM                       | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Loader to Feeder or Bin - Controlled <sup>1</sup>                                                               | 0.00014                  | 0.000046         | 0.000013          |
| Loader to Feeder or Bin - Uncontrolled                                                                          | 0.0030                   | 0.0011           | 0.00017           |
| Feeder to Conveyor - Controlled <sup>1</sup>                                                                    | 0.00014                  | 0.000046         | 0.000013          |
| Feeder to Conveyor - Uncontrolled                                                                               | 0.0030                   | 0.0011           | 0.00017           |
| Conveyor to Pugmill - Controlled <sup>1</sup>                                                                   | 0.00014                  | 0.000046         | 0.000013          |
| Conveyor to Pugmill - Uncontrolled                                                                              | 0.0030                   | 0.0011           | 0.00017           |
| Pugmill and Discharge to Conveyor - Controlled <sup>1</sup>                                                     | 0.00014                  | 0.000046         | 0.000013          |
| Pugmill and Discharge to Conveyor - Uncontrolled                                                                | 0.0030                   | 0.0011           | 0.00017           |
| Conveyor Transfer Point - Controlled <sup>1</sup>                                                               | 0.00014                  | 0.000046         | 0.000013          |
| Conveyor Transfer Point - Uncontrolled                                                                          | 0.0030                   | 0.0011           | 0.00017           |
| Lime Silo Loading - Controlled <sup>2</sup>                                                                     | 0.00099                  | 0.00034          | 0.00005           |
| Lime Silo Unloading - Uncontrolled                                                                              | 0.0048                   | 0.0028           | 0.00040           |
| <b>Notes:</b><br>(1) Wet Dust Suppression Required<br>(2) Emissions during loading are controlled by a bin vent |                          |                  |                   |

| Concrete Batching                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                  |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|-------------------|
| Emission Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Emission Factor (lb/ton) |                  |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PM                       | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Loader to Feeder or Bin - Controlled <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.00014                  | 0.000046         | 0.000013          |
| Loader to Feeder or Bin - Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.0030                   | 0.0011           | 0.00017           |
| Aggregate/Sand Conveyor Transfer Point - Controlled <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.00014                  | 0.000046         | 0.000013          |
| Aggregate/Sand Conveyor Transfer Point - Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.0030                   | 0.0011           | 0.00017           |
| Cement Silo Loading - Controlled <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.00099                  | 0.00034          | 0.000050          |
| Cement Silo Unloading - Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.0048                   | 0.0028           | 0.00040           |
| Weigh Hopper Loading – Controlled <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.0024                   | 0.0014           | 0.00020           |
| Weigh Hopper Loading - Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.0048                   | 0.0028           | 0.00040           |
| Cement Supplement Silo Loading - Controlled <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.0089                   | 0.0049           | 0.00070           |
| Cement Supplement Silo Unloading - Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.0048                   | 0.0028           | 0.00040           |
| Central Mixer Loading - Controlled <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.0184                   | 0.0055           | 0.00080           |
| Central Mixer Loading - Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.572                    | 0.156            | 0.024             |
| Truck Mixer Loading - Controlled <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.098                    | 0.0263           | 0.0040            |
| Truck Mixer Loading - Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.118                    | 0.31             | 0.047             |
| <b>Notes:</b><br>(1) The emission factors listed for controlled emissions require wet dust suppression located at each emission unit and transfer point. Wet dust suppression consists of water sprays, fogging water sprays, fogging water sprays with chemical surfactant, or pneumatic fogging water sprays. Pre-wetting of material does not constitute wet dust suppression.<br>(2) Emissions during loading are controlled by a bin vent.<br>(3) Installations that employ water sprays, enclosures, hoods, curtains, shrouds, moveable and telescoping chutes, and central duct collection systems.<br>(4) Emissions during loading are controlled by an enclosure utilizing 50% control efficiency. |                          |                  |                   |

## 4.5 Calculated Emissions

Calculate and enter the projected emissions in lbs/day for each emission unit. Below is an example of the emission calculations.

$$\text{Emission rate} \frac{\text{tons}}{\text{hr}} \times \text{Operating Hours} \frac{\text{hrs}}{\text{day}} \times \text{Emission Factor} \frac{\text{lbs}}{\text{ton}} = \text{Calculated Emissions} \frac{\text{lbs}}{\text{day}}$$

Example:

$$500 \frac{\text{tons}}{\text{hr}} \times 16 \frac{\text{hrs}}{\text{day}} \times 0.00014 \frac{\text{lbs}}{\text{ton}} = 1.12 \frac{\text{lbs}}{\text{day}}$$

## 4.6 COLA Wide Totals

At the bottom of Form 1B there is table for the total emissions for the COLA. Please fill in the totals from all units requested in the COLA application. The total of all emissions for all units must not exceed limits in Section V of the Class II General AQOP for Temporary Construction Sources or in Appendix 1 of this document.

# 5. SPECIAL USE AREA ADDITIONAL INFORMATION

Forms 1C and 1D only need to be used if a request for a COLA is being made in the areas of Hydrographic Basin (HA) 83 – Tracy Segment listed in the table below. These forms provide the additional information that the BAPC will need to conduct an environmental evaluation.

| Township | Range   | Sections                                       |
|----------|---------|------------------------------------------------|
| 19 North | 21 East | 1, 2, 10 through 14, and 23 through 25         |
| 19 North | 22 East | All Sections                                   |
| 19 North | 23 East | 3 through 10, 16 through 21, and 29 through 31 |
| 20 North | 22 East | 24 through 26, 28, 29, and 31 through 36       |
| 20 North | 23 East | 19 through 21, and 27 through 34               |

**Emission Unit Descriptions** — These should match the descriptions listed in Forms 1A and 1B.

**UTM Coordinates** — The specific UTM coordinates for each emission unit. The UTM coordinates must be in metric units using North American Datum of 1983 (NAD 83), Zone 11.

**Release Height** — The release height is the distance from the top of the emission unit to ground level.

**Drop Length** — The drop length is how far material falls from one emission unit to the next emission unit (i.e. such as from a conveyor to crusher or stockpile, or a screen to a conveyor).

**Emission Unit Dimensions** — Provide the physical dimensions of the emission unit - length (L), width (W), and height (H) of the equipment in feet. For example, a feed hopper would be 8

feet long x 6 feet wide x 7 feet high (8x7x6), and a conveyor would be 3 feet wide x 4 feet high (3x4).

**Stack Height** — Provide the height of the stack in feet (i.e. the height of the stack on the baghouse controlling the HMA Plant).

**Stack Inside Diameter** — Provide the inside diameter of the stack in feet. If the diameter is non-cylindrical, provide the actual dimensions (LxW).

**Stack Flow Rate** — Provide the gas volume flow rate through the stack measured in actual cubic feet per minute (acfm).

**Stack Exit Velocity** — Provide the exit velocity of the exhaust gas from the stack measured in feet per second (ft/sec).

**Stack Temperature** — Provide the temperature of the stack exhaust in degrees Fahrenheit.

**Start Time** — You may request to operate certain hours of the day. If you choose to do so, provide your start time in this section. Conditions will be written into the COLA accordingly.

**End Time** — You may request to operate certain hours of the day. If you choose to do so, provide your end time in this section. Conditions will be written into the COLA accordingly.

**Corner Number** — Provide a map showing the fence line of the COLA operations. Number each corner of the fence line and provide the UTM coordinates for each corner.

## 6. ADDITIONAL REQUIRED ATTACHMENTS

There are several other attachments that support and contextualize the information the facility provides elsewhere in the application. The BAPC uses these attachments to inform the public of facilities that need permits, prepare the technical review supporting the permit, verify data used in the application, and write permit conditions. Please draft the required attachments in a readable format, with both appropriate font and size.

### PROCESS FLOW DIAGRAM(S)

A process flow diagram is a drawing that illustrates how all processes are interconnected. The process flow diagram should include each emission unit(s), drop point(s), and minimum requirements as described in [our Guidance Document for Process Flow Diagrams](#).

Only include information that is relevant to air pollution control. The facility does not need to include the locations of valves and electrical and water plans.



**These attachments are an important part of the application.**

The BAPC may have to reject the application if the required attachments are illegible or incomplete.

## PROCESS NARRATIVE

The process narrative should describe all processes in the application and any renewal or revision details. The goal is to give the BAPC a clear picture of the process of the facility so the BAPC can understand how the facility will monitor emissions and know what to write into the permit. Make sure the process narrative matches the process flow diagram.

Here's a basic outline to follow when drafting the process narrative:

- Specify the location of the facility and its parent company, if part of a larger business (**Example:** Arturo Mine is located 45 miles Northwest of Elko in Elko County, Nevada, Hydrographic Area 61 – Boulder Flat. The mine is part of the Nevada Gold, LLC.).
- Describe what the facility does (**Example:** mining gold ore, crushing and screening aggregates, etc).
- Describe the emission units (equipment) used at the facility. Include information that helps describe what the facility does and how it functions.
- Characterize all regulated air pollutants that may be emitted by each emission unit.
- If the facility is requesting a revision, explain what is going to change and why it is necessary.
- Outline how and where the facility will be monitoring throughputs to show compliance.

## MAPS: FACILITY LOCATION AND AREA MAP OF THE FACILITY

Submit the following maps as visible, readable printouts (color optional):

1. A vicinity map that shows the location of the facility with respect to the nearest recognizable city, town, and major road, all labeled. Outline the facility.
2. An area map of the facility with a closer, aerial view that includes the fence line, the location of the front gate, and emission unit locations (clearly labeled).
3. For COLAs located in the Special Area provide the site plan of the entire facility, preferably on an aerial or topographic map (drawn to scale). Include the dimensions scale and north arrow. The site plan should include the UTM coordinates (NAD 83 / UTM Zone 11), though this can be formatted as an excel table for UTM coordinates (NAD 83 / UTM Zone 11) and dimensions. Make sure the facility site plan indicates and labels the locations of systems.

## 7. APPLICATION CERTIFICATION DOCUMENT

The last page of the Class II air permit application packet is the Application Certification Document — a short summary of the required documents in the application. It must be signed *in ink* by the responsible official (RO) of the company or facility.

Check the boxes next to each submitted document, and make sure the Application Certification Document is signed by the RO listed in Section 6 of the General Company Information Form. Create a digital copy of the application, including all requested documents, and submit a digital and hard copy of the application with the application processing fee. The complete application package can be mailed or hand delivered to the BAPC office (see “[Application Submittal and Processing Timeline](#)”).

# Appendix 1

## General Operating Scenarios

| Type of Emission Unit |                                           | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |                 |                 |      |      |
|-----------------------|-------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|-----------------|-----------------|------|------|
|                       |                                           | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>x</sub> | SO <sub>2</sub> | CO   | VOC  |
| 1                     | Sand/Gravel Crushing and Screening (ONLY) | 50                       | 8                                | 37.73                     | 13.49            | 1.91              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 50                       | 10                               | 40.67                     | 14.54            | 2.06              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 50                       | 12                               | 43.05                     | 15.39            | 2.18              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 50                       | 14                               | 45.03                     | 16.10            | 2.28              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 50                       | 16                               | 46.51                     | 16.63            | 2.35              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 75                       | 8                                | 44.53                     | 15.93            | 2.25              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 75                       | 10                               | 48.09                     | 17.20            | 2.43              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 75                       | 12                               | 51.03                     | 18.25            | 2.58              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 75                       | 14                               | 53.26                     | 19.04            | 2.69              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 75                       | 16                               | 55.42                     | 19.82            | 2.80              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 100                      | 8                                | 51.71                     | 18.49            | 2.62              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 100                      | 10                               | 55.82                     | 19.96            | 2.82              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 100                      | 12                               | 59.38                     | 21.23            | 3.00              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 100                      | 14                               | 61.92                     | 22.14            | 3.13              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 100                      | 16                               | 64.58                     | 23.09            | 3.27              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 200                      | 8                                | 83.50                     | 29.86            | 4.22              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 200                      | 10                               | 94.02                     | 33.62            | 4.76              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 200                      | 12                               | 104.66                    | 37.42            | 5.29              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 200                      | 14                               | 113.01                    | 40.41            | 5.72              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 200                      | 16                               | 118.26                    | 42.29            | 5.98              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 300                      | 8                                | 108.00                    | 38.62            | 5.46              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 300                      | 10                               | 121.85                    | 43.57            | 6.16              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 300                      | 12                               | 136.39                    | 48.77            | 6.90              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 300                      | 14                               | 151.11                    | 54.04            | 7.64              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 300                      | 16                               | 164.28                    | 58.75            | 8.31              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 400                      | 8                                | 135.83                    | 48.57            | 6.87              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 400                      | 10                               | 152.32                    | 54.47            | 7.71              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 400                      | 12                               | 169.79                    | 60.72            | 8.59              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 400                      | 14                               | 187.70                    | 67.12            | 9.50              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 400                      | 16                               | 203.87                    | 72.90            | 10.31             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 500                      | 8                                | 165.03                    | 59.01            | 8.35              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 500                      | 10                               | 182.31                    | 65.19            | 9.22              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 500                      | 12                               | 203.00                    | 72.59            | 10.27             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 500                      | 14                               | 226.01                    | 80.82            | 11.43             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                           | 500                      | 16                               | 247.17                    | 88.39            | 12.50             | 0.00            | 0.00            | 0.00 | 0.00 |

| Type of Emission Unit |                                             | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |         |                 |         |        |
|-----------------------|---------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|---------|-----------------|---------|--------|
|                       |                                             | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NOx     | SO <sub>2</sub> | CO      | VOC    |
| 2                     | Hot Mix Asphalt with Lime Marination (ONLY) | 50                       | 8                                | 71.77                     | 58.77            | 52.48             | 133.61  | 26.72           | 321.94  | 117.44 |
|                       |                                             | 50                       | 10                               | 78.07                     | 63.93            | 57.09             | 145.35  | 29.07           | 350.23  | 127.76 |
|                       |                                             | 50                       | 12                               | 85.76                     | 70.22            | 62.70             | 159.65  | 31.93           | 384.70  | 140.34 |
|                       |                                             | 50                       | 14                               | 92.88                     | 76.05            | 67.91             | 172.91  | 34.58           | 416.64  | 151.99 |
|                       |                                             | 50                       | 16                               | 101.14                    | 82.82            | 73.95             | 188.29  | 37.66           | 453.70  | 165.51 |
|                       |                                             | 75                       | 8                                | 95.73                     | 78.39            | 70.00             | 178.23  | 35.65           | 429.46  | 156.66 |
|                       |                                             | 75                       | 10                               | 100.85                    | 82.58            | 73.74             | 187.75  | 37.55           | 452.40  | 165.03 |
|                       |                                             | 75                       | 12                               | 111.13                    | 91.00            | 81.25             | 206.88  | 41.38           | 498.51  | 181.85 |
|                       |                                             | 75                       | 14                               | 117.56                    | 96.27            | 85.96             | 218.87  | 43.77           | 527.38  | 192.39 |
|                       |                                             | 75                       | 16                               | 119.52                    | 97.87            | 87.39             | 222.51  | 44.50           | 536.16  | 195.59 |
|                       |                                             | 100                      | 8                                | 114.47                    | 93.73            | 83.70             | 213.10  | 42.62           | 513.49  | 187.32 |
|                       |                                             | 100                      | 10                               | 122.18                    | 100.05           | 89.34             | 227.47  | 45.49           | 548.11  | 199.95 |
|                       |                                             | 100                      | 12                               | 131.76                    | 107.89           | 96.34             | 245.30  | 49.06           | 591.07  | 215.62 |
|                       |                                             | 100                      | 14                               | 127.29                    | 104.23           | 93.08             | 236.98  | 47.40           | 571.03  | 208.31 |
|                       |                                             | 100                      | 16                               | 136.33                    | 111.64           | 99.69             | 253.81  | 50.76           | 611.58  | 223.10 |
|                       |                                             | 200                      | 8                                | 189.11                    | 154.85           | 138.28            | 352.06  | 70.41           | 848.34  | 309.47 |
|                       |                                             | 200                      | 10                               | 207.95                    | 170.28           | 152.05            | 387.13  | 77.43           | 932.84  | 340.29 |
|                       |                                             | 200                      | 12                               | 215.76                    | 176.67           | 157.76            | 401.67  | 80.33           | 967.87  | 353.07 |
|                       |                                             | 200                      | 14                               | 226.32                    | 185.33           | 165.48            | 421.34  | 84.27           | 1015.27 | 370.36 |
|                       |                                             | 200                      | 16                               | 236.57                    | 193.72           | 172.98            | 440.42  | 88.08           | 1061.24 | 387.13 |
|                       |                                             | 300                      | 8                                | 282.07                    | 230.97           | 206.25            | 525.12  | 105.02          | 1265.34 | 461.59 |
|                       |                                             | 300                      | 10                               | 315.49                    | 258.34           | 230.69            | 587.35  | 117.47          | 1415.28 | 516.28 |
|                       |                                             | 300                      | 12                               | 326.60                    | 267.44           | 238.81            | 608.03  | 121.61          | 1465.12 | 534.47 |
|                       |                                             | 300                      | 14                               | 338.54                    | 277.21           | 247.54            | 630.25  | 126.05          | 1518.66 | 554.00 |
|                       |                                             | 300                      | 16                               | 351.24                    | 287.61           | 256.82            | 653.89  | 130.78          | 1575.63 | 574.78 |
|                       |                                             | 400                      | 8                                | 366.99                    | 300.51           | 268.34            | 683.21  | 136.64          | 1646.27 | 600.55 |
|                       |                                             | 400                      | 10                               | 412.82                    | 338.04           | 301.85            | 768.54  | 153.71          | 1851.90 | 675.56 |
|                       |                                             | 400                      | 12                               | 443.94                    | 363.52           | 324.60            | 826.46  | 165.29          | 1991.47 | 726.47 |
|                       |                                             | 400                      | 14                               | 466.21                    | 381.76           | 340.89            | 867.94  | 173.59          | 2091.40 | 762.93 |
|                       |                                             | 400                      | 16                               | 478.99                    | 392.22           | 350.23            | 891.72  | 178.34          | 2148.71 | 783.83 |
|                       |                                             | 500                      | 8                                | 436.05                    | 357.06           | 318.83            | 811.78  | 162.36          | 1956.08 | 713.56 |
|                       |                                             | 500                      | 10                               | 480.18                    | 393.20           | 351.11            | 893.95  | 178.79          | 2154.08 | 785.79 |
|                       |                                             | 500                      | 12                               | 540.13                    | 442.29           | 394.94            | 1005.55 | 201.11          | 2423.00 | 883.89 |
|                       |                                             | 500                      | 14                               | 590.17                    | 483.27           | 431.53            | 1098.71 | 219.74          | 2647.48 | 965.78 |
|                       |                                             | 500                      | 16                               | 577.40                    | 472.81           | 422.19            | 1074.94 | 214.99          | 2590.20 | 944.88 |

| Type of Emission Unit |                                                | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |                 |                 |         |         |
|-----------------------|------------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|-----------------|-----------------|---------|---------|
|                       |                                                | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>x</sub> | SO <sub>2</sub> | CO      | VOC     |
| 3                     | Hot Mix Asphalt without Lime Marination (ONLY) | 50                       | 8                                | 53.82                     | 46.13            | 42.39             | 108.63          | 21.73           | 261.75  | 95.49   |
|                       |                                                | 50                       | 10                               | 58.39                     | 50.05            | 45.99             | 117.87          | 23.57           | 284.02  | 103.61  |
|                       |                                                | 50                       | 12                               | 64.86                     | 55.59            | 51.09             | 130.93          | 26.19           | 315.48  | 115.09  |
|                       |                                                | 50                       | 14                               | 72.58                     | 62.21            | 57.17             | 146.51          | 29.30           | 353.04  | 128.79  |
|                       |                                                | 50                       | 16                               | 80.60                     | 69.08            | 63.48             | 162.69          | 32.54           | 392.02  | 143.01  |
|                       |                                                | 75                       | 8                                | 74.25                     | 63.64            | 58.48             | 149.87          | 29.97           | 361.12  | 131.74  |
|                       |                                                | 75                       | 10                               | 80.95                     | 69.38            | 63.76             | 163.41          | 32.68           | 393.74  | 143.64  |
|                       |                                                | 75                       | 12                               | 90.33                     | 77.42            | 71.14             | 182.33          | 36.47           | 439.34  | 160.27  |
|                       |                                                | 75                       | 14                               | 101.34                    | 86.86            | 79.82             | 204.55          | 40.91           | 492.90  | 179.81  |
|                       |                                                | 75                       | 16                               | 112.62                    | 96.52            | 88.70             | 227.32          | 45.46           | 547.76  | 199.82  |
|                       |                                                | 100                      | 8                                | 98.54                     | 84.46            | 77.61             | 198.90          | 39.78           | 479.28  | 174.84  |
|                       |                                                | 100                      | 10                               | 107.68                    | 92.30            | 84.81             | 217.36          | 43.47           | 523.76  | 191.06  |
|                       |                                                | 100                      | 12                               | 120.39                    | 103.19           | 94.82             | 243.01          | 48.60           | 585.56  | 213.61  |
|                       |                                                | 100                      | 14                               | 126.13                    | 108.11           | 99.34             | 254.60          | 50.92           | 613.49  | 223.80  |
|                       |                                                | 100                      | 16                               | 130.04                    | 111.46           | 102.42            | 262.50          | 52.50           | 632.51  | 230.74  |
|                       |                                                | 200                      | 8                                | 183.45                    | 157.23           | 144.49            | 370.30          | 74.06           | 892.28  | 325.50  |
|                       |                                                | 200                      | 10                               | 208.30                    | 178.53           | 164.06            | 420.46          | 84.09           | 1013.14 | 369.59  |
|                       |                                                | 200                      | 12                               | 210.23                    | 180.19           | 165.58            | 424.35          | 84.87           | 1022.52 | 373.01  |
|                       |                                                | 200                      | 14                               | 221.90                    | 190.19           | 174.77            | 447.91          | 89.58           | 1079.28 | 393.71  |
|                       |                                                | 200                      | 16                               | 231.75                    | 198.63           | 182.53            | 467.79          | 93.56           | 1127.21 | 411.20  |
|                       |                                                | 300                      | 8                                | 283.53                    | 243.01           | 223.31            | 572.31          | 114.46          | 1379.05 | 503.07  |
|                       |                                                | 300                      | 10                               | 310.22                    | 265.89           | 244.34            | 626.19          | 125.24          | 1508.87 | 550.42  |
|                       |                                                | 300                      | 12                               | 325.33                    | 278.84           | 256.24            | 656.69          | 131.34          | 1582.38 | 577.24  |
|                       |                                                | 300                      | 14                               | 342.22                    | 293.31           | 269.53            | 690.76          | 138.15          | 1664.48 | 607.19  |
|                       |                                                | 300                      | 16                               | 344.43                    | 295.21           | 271.28            | 695.24          | 139.05          | 1675.26 | 611.12  |
|                       |                                                | 400                      | 8                                | 360.58                    | 309.05           | 284.00            | 727.83          | 145.57          | 1753.79 | 639.77  |
|                       |                                                | 400                      | 10                               | 394.09                    | 337.77           | 310.39            | 795.48          | 159.10          | 1916.80 | 699.24  |
|                       |                                                | 400                      | 12                               | 434.17                    | 372.12           | 341.96            | 876.38          | 175.28          | 2111.74 | 770.35  |
|                       |                                                | 400                      | 14                               | 461.43                    | 395.48           | 363.43            | 931.39          | 186.28          | 2244.30 | 818.70  |
|                       |                                                | 400                      | 16                               | 466.90                    | 400.17           | 367.73            | 942.43          | 188.49          | 2270.91 | 828.41  |
|                       |                                                | 500                      | 8                                | 435.67                    | 373.41           | 343.14            | 879.40          | 175.88          | 2119.02 | 773.00  |
|                       |                                                | 500                      | 10                               | 473.26                    | 405.63           | 372.75            | 955.29          | 191.06          | 2301.88 | 839.71  |
|                       |                                                | 500                      | 12                               | 508.36                    | 435.71           | 400.40            | 1026.14         | 205.23          | 2472.60 | 901.99  |
|                       |                                                | 500                      | 14                               | 574.16                    | 492.10           | 452.21            | 1158.94         | 231.79          | 2792.60 | 1018.72 |
|                       |                                                | 500                      | 16                               | 573.94                    | 491.92           | 452.05            | 1158.51         | 231.70          | 2791.57 | 1018.34 |

| Type of Emission Unit |                             | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |      |                 |      |      |
|-----------------------|-----------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|------|-----------------|------|------|
|                       |                             | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NOx  | SO <sub>2</sub> | CO   | VOC  |
| 4                     | Concrete Batch Plant (ONLY) | 50                       | 8                                | 50.75                     | 17.86            | 2.70              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 50                       | 10                               | 53.92                     | 18.97            | 2.87              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 50                       | 12                               | 57.68                     | 20.29            | 3.07              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 50                       | 14                               | 60.62                     | 21.33            | 3.23              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 50                       | 16                               | 63.89                     | 22.48            | 3.40              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 75                       | 8                                | 72.62                     | 25.55            | 3.87              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 75                       | 10                               | 77.88                     | 27.40            | 4.15              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 75                       | 12                               | 83.33                     | 29.32            | 4.44              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 75                       | 14                               | 87.50                     | 30.78            | 4.66              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 75                       | 16                               | 88.89                     | 31.27            | 4.73              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 100                      | 8                                | 88.49                     | 31.13            | 4.71              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 100                      | 10                               | 96.73                     | 34.03            | 5.15              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 100                      | 12                               | 102.38                    | 36.02            | 5.45              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 100                      | 14                               | 107.64                    | 37.87            | 5.73              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 100                      | 16                               | 109.52                    | 38.53            | 5.83              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 200                      | 8                                | 139.29                    | 49.00            | 7.42              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 200                      | 10                               | 150.79                    | 53.05            | 8.03              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 200                      | 12                               | 160.12                    | 56.33            | 8.53              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 200                      | 14                               | 168.75                    | 59.37            | 8.99              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 200                      | 16                               | 175.40                    | 61.71            | 9.34              | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 300                      | 8                                | 197.62                    | 69.53            | 10.52             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 300                      | 10                               | 213.29                    | 75.04            | 11.36             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 300                      | 12                               | 229.17                    | 80.62            | 12.20             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 300                      | 14                               | 243.06                    | 85.51            | 12.94             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 300                      | 16                               | 254.76                    | 89.63            | 13.57             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 400                      | 8                                | 251.19                    | 88.37            | 13.38             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 400                      | 10                               | 272.82                    | 95.98            | 14.53             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 400                      | 12                               | 294.64                    | 103.66           | 15.69             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 400                      | 14                               | 312.50                    | 109.94           | 16.64             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 400                      | 16                               | 327.78                    | 115.32           | 17.45             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 500                      | 8                                | 298.02                    | 104.85           | 15.87             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 500                      | 10                               | 323.91                    | 113.96           | 17.25             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 500                      | 12                               | 347.62                    | 122.30           | 18.51             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 500                      | 14                               | 366.67                    | 129.00           | 19.52             | 0.00 | 0.00            | 0.00 | 0.00 |
|                       |                             | 500                      | 16                               | 380.95                    | 134.03           | 20.29             | 0.00 | 0.00            | 0.00 | 0.00 |

| Type of Emission Unit |                                                                             | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |        |                 |         |        |
|-----------------------|-----------------------------------------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|--------|-----------------|---------|--------|
|                       |                                                                             | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NOx    | SO <sub>2</sub> | CO      | VOC    |
| 5                     | Sand/Gravel Crushing and Screening and Hot Mix Asphalt with Lime Marination | 50                       | 8                                | 50.17                     | 41.08            | 36.68             | 93.39  | 18.68           | 225.05  | 82.10  |
|                       |                                                                             | 50                       | 10                               | 54.49                     | 44.62            | 39.84             | 101.44 | 20.29           | 244.43  | 89.17  |
|                       |                                                                             | 50                       | 12                               | 60.47                     | 49.51            | 44.21             | 112.57 | 22.51           | 271.25  | 98.95  |
|                       |                                                                             | 50                       | 14                               | 67.71                     | 55.45            | 49.51             | 126.06 | 25.21           | 303.76  | 110.81 |
|                       |                                                                             | 50                       | 16                               | 75.39                     | 61.73            | 55.12             | 140.35 | 28.07           | 338.19  | 123.37 |
|                       |                                                                             | 75                       | 8                                | 68.59                     | 56.16            | 50.15             | 127.69 | 25.54           | 307.67  | 112.24 |
|                       |                                                                             | 75                       | 10                               | 74.83                     | 61.27            | 54.71             | 139.30 | 27.86           | 335.66  | 122.45 |
|                       |                                                                             | 75                       | 12                               | 83.39                     | 68.29            | 60.98             | 155.25 | 31.05           | 374.09  | 136.47 |
|                       |                                                                             | 75                       | 14                               | 93.61                     | 76.65            | 68.44             | 174.27 | 34.85           | 419.92  | 153.18 |
|                       |                                                                             | 75                       | 16                               | 104.32                    | 85.42            | 76.28             | 194.21 | 38.84           | 467.97  | 170.71 |
|                       |                                                                             | 100                      | 8                                | 89.11                     | 72.97            | 65.16             | 165.89 | 33.18           | 399.74  | 145.82 |
|                       |                                                                             | 100                      | 10                               | 97.42                     | 79.77            | 71.23             | 181.37 | 36.27           | 437.02  | 159.42 |
|                       |                                                                             | 100                      | 12                               | 108.84                    | 89.12            | 79.58             | 202.62 | 40.52           | 488.24  | 178.11 |
|                       |                                                                             | 100                      | 14                               | 122.22                    | 100.08           | 89.37             | 227.54 | 45.51           | 548.28  | 200.01 |
|                       |                                                                             | 100                      | 16                               | 135.85                    | 111.24           | 99.33             | 252.91 | 50.58           | 609.41  | 222.31 |
|                       |                                                                             | 200                      | 8                                | 185.16                    | 151.62           | 135.39            | 344.71 | 68.94           | 830.61  | 303.00 |
|                       |                                                                             | 200                      | 10                               | 206.69                    | 169.25           | 151.13            | 384.79 | 76.96           | 927.21  | 338.24 |
|                       |                                                                             | 200                      | 12                               | 217.26                    | 177.91           | 158.86            | 404.47 | 80.89           | 974.63  | 355.54 |
|                       |                                                                             | 200                      | 14                               | 229.18                    | 187.66           | 167.57            | 426.65 | 85.33           | 1028.07 | 375.03 |
|                       |                                                                             | 200                      | 16                               | 232.37                    | 190.28           | 169.91            | 432.60 | 86.52           | 1042.41 | 380.26 |
|                       |                                                                             | 300                      | 8                                | 244.14                    | 199.91           | 178.51            | 454.51 | 90.90           | 1095.20 | 399.52 |
|                       |                                                                             | 300                      | 10                               | 282.42                    | 231.26           | 206.51            | 525.78 | 105.16          | 1266.94 | 462.17 |
|                       |                                                                             | 300                      | 12                               | 286.00                    | 234.19           | 209.12            | 532.44 | 106.49          | 1282.99 | 468.03 |
|                       |                                                                             | 300                      | 14                               | 316.28                    | 258.99           | 231.26            | 588.81 | 117.76          | 1418.81 | 517.57 |
|                       |                                                                             | 300                      | 16                               | 322.34                    | 263.95           | 235.69            | 600.09 | 120.02          | 1445.99 | 527.49 |
|                       |                                                                             | 400                      | 8                                | 306.29                    | 250.81           | 223.96            | 570.22 | 114.04          | 1374.01 | 501.23 |
|                       |                                                                             | 400                      | 10                               | 335.60                    | 274.81           | 245.39            | 624.78 | 124.96          | 1505.48 | 549.19 |
|                       |                                                                             | 400                      | 12                               | 345.97                    | 283.30           | 252.97            | 644.09 | 128.82          | 1552.01 | 566.16 |
|                       |                                                                             | 400                      | 14                               | 374.58                    | 306.73           | 273.89            | 697.35 | 139.47          | 1680.35 | 612.98 |
|                       |                                                                             | 400                      | 16                               | 395.88                    | 324.17           | 289.46            | 737.00 | 147.40          | 1775.88 | 647.83 |
|                       |                                                                             | 500                      | 8                                | 386.49                    | 316.48           | 282.60            | 719.52 | 143.90          | 1733.77 | 632.47 |
|                       |                                                                             | 500                      | 10                               | 418.22                    | 342.46           | 305.80            | 778.59 | 155.72          | 1876.10 | 684.39 |
|                       |                                                                             | 500                      | 12                               | 430.14                    | 352.22           | 314.52            | 800.79 | 160.16          | 1929.59 | 703.90 |
|                       |                                                                             | 500                      | 14                               | 471.33                    | 385.95           | 344.63            | 877.46 | 175.49          | 2114.34 | 771.30 |
|                       |                                                                             | 500                      | 16                               | 494.86                    | 405.22           | 361.84            | 921.27 | 184.25          | 2219.92 | 809.81 |

| Type of Emission Unit |                                                                                | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |        |                 |         |        |
|-----------------------|--------------------------------------------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|--------|-----------------|---------|--------|
|                       |                                                                                | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NOx    | SO <sub>2</sub> | CO      | VOC    |
| 6                     | Sand/Gravel Crushing and Screening and Hot Mix Asphalt without Lime Marination | 50                       | 8                                | 48.15                     | 41.27            | 37.92             | 97.19  | 19.44           | 234.18  | 85.43  |
|                       |                                                                                | 50                       | 10                               | 52.27                     | 44.80            | 41.17             | 105.51 | 21.10           | 254.23  | 92.74  |
|                       |                                                                                | 50                       | 12                               | 57.97                     | 49.69            | 45.66             | 117.02 | 23.40           | 281.97  | 102.86 |
|                       |                                                                                | 50                       | 14                               | 64.89                     | 55.62            | 51.11             | 130.98 | 26.20           | 315.62  | 115.14 |
|                       |                                                                                | 50                       | 16                               | 72.20                     | 61.88            | 56.87             | 145.74 | 29.15           | 351.19  | 128.11 |
|                       |                                                                                | 75                       | 8                                | 66.02                     | 56.58            | 52.00             | 133.26 | 26.65           | 321.09  | 117.13 |
|                       |                                                                                | 75                       | 10                               | 72.00                     | 61.71            | 56.71             | 145.33 | 29.07           | 350.20  | 127.75 |
|                       |                                                                                | 75                       | 12                               | 80.20                     | 68.74            | 63.17             | 161.89 | 32.38           | 390.10  | 142.31 |
|                       |                                                                                | 75                       | 14                               | 89.99                     | 77.13            | 70.88             | 181.65 | 36.33           | 437.72  | 159.68 |
|                       |                                                                                | 75                       | 16                               | 100.21                    | 85.89            | 78.93             | 202.28 | 40.46           | 487.41  | 177.80 |
|                       |                                                                                | 100                      | 8                                | 85.95                     | 73.67            | 67.70             | 173.50 | 34.70           | 418.07  | 152.51 |
|                       |                                                                                | 100                      | 10                               | 93.94                     | 80.52            | 73.99             | 189.62 | 37.92           | 456.92  | 166.68 |
|                       |                                                                                | 100                      | 12                               | 104.89                    | 89.90            | 82.61             | 211.73 | 42.35           | 510.18  | 186.11 |
|                       |                                                                                | 100                      | 14                               | 117.75                    | 100.92           | 92.74             | 237.67 | 47.53           | 572.70  | 208.92 |
|                       |                                                                                | 100                      | 16                               | 130.85                    | 112.15           | 103.06            | 264.11 | 52.82           | 636.42  | 232.16 |
|                       |                                                                                | 200                      | 8                                | 175.69                    | 150.58           | 138.37            | 354.63 | 70.93           | 854.51  | 311.72 |
|                       |                                                                                | 200                      | 10                               | 192.00                    | 164.56           | 151.22            | 387.56 | 77.51           | 933.86  | 340.67 |
|                       |                                                                                | 200                      | 12                               | 205.65                    | 176.26           | 161.98            | 415.11 | 83.02           | 1000.27 | 364.89 |
|                       |                                                                                | 200                      | 14                               | 218.71                    | 187.45           | 172.26            | 441.47 | 88.29           | 1063.77 | 388.05 |
|                       |                                                                                | 200                      | 16                               | 221.84                    | 190.14           | 174.73            | 447.79 | 89.56           | 1079.00 | 393.61 |
|                       |                                                                                | 300                      | 8                                | 232.45                    | 199.23           | 183.08            | 469.20 | 93.84           | 1130.58 | 412.43 |
|                       |                                                                                | 300                      | 10                               | 268.78                    | 230.37           | 211.70            | 542.54 | 108.51          | 1307.32 | 476.90 |
|                       |                                                                                | 300                      | 12                               | 274.77                    | 235.50           | 216.42            | 554.63 | 110.93          | 1336.45 | 487.53 |
|                       |                                                                                | 300                      | 14                               | 299.68                    | 256.85           | 236.03            | 604.91 | 120.98          | 1457.60 | 531.72 |
|                       |                                                                                | 300                      | 16                               | 308.71                    | 264.59           | 243.15            | 623.14 | 124.63          | 1501.52 | 547.74 |
|                       |                                                                                | 400                      | 8                                | 298.57                    | 255.90           | 235.16            | 602.66 | 120.53          | 1452.18 | 529.74 |
|                       |                                                                                | 400                      | 10                               | 324.44                    | 278.08           | 255.54            | 654.89 | 130.98          | 1578.05 | 575.66 |
|                       |                                                                                | 400                      | 12                               | 336.49                    | 288.41           | 265.03            | 679.22 | 135.84          | 1636.66 | 597.04 |
|                       |                                                                                | 400                      | 14                               | 356.49                    | 305.54           | 280.77            | 719.57 | 143.91          | 1733.90 | 632.51 |
|                       |                                                                                | 400                      | 16                               | 374.87                    | 321.29           | 295.25            | 756.67 | 151.33          | 1823.29 | 665.12 |
|                       |                                                                                | 500                      | 8                                | 373.40                    | 320.04           | 294.10            | 753.72 | 150.74          | 1816.17 | 662.53 |
|                       |                                                                                | 500                      | 10                               | 421.42                    | 361.20           | 331.92            | 850.65 | 170.13          | 2049.74 | 747.73 |
|                       |                                                                                | 500                      | 12                               | 423.08                    | 362.61           | 333.22            | 853.98 | 170.80          | 2057.78 | 750.66 |
|                       |                                                                                | 500                      | 14                               | 466.37                    | 399.72           | 367.32            | 941.37 | 188.27          | 2268.35 | 827.48 |
|                       |                                                                                | 500                      | 16                               | 480.96                    | 412.23           | 378.82            | 970.83 | 194.17          | 2339.34 | 853.37 |

| Type of Emission Unit |                                                             | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |                 |                 |      |      |
|-----------------------|-------------------------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|-----------------|-----------------|------|------|
|                       |                                                             | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NO <sub>x</sub> | SO <sub>2</sub> | CO   | VOC  |
| 7                     | Sand/Gravel Crushing and Screening and Concrete Batch Plant | 50                       | 8                                | 56.08                     | 19.81            | 2.95              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 50                       | 10                               | 60.88                     | 21.50            | 3.20              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 50                       | 12                               | 67.80                     | 23.95            | 3.57              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 50                       | 14                               | 76.02                     | 26.85            | 4.00              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 50                       | 16                               | 84.80                     | 29.95            | 4.46              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 75                       | 8                                | 82.34                     | 29.08            | 4.33              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 75                       | 10                               | 89.80                     | 31.72            | 4.73              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 75                       | 12                               | 100.51                    | 35.50            | 5.29              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 75                       | 14                               | 110.31                    | 38.96            | 5.80              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 75                       | 16                               | 113.46                    | 40.07            | 5.97              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 100                      | 8                                | 112.51                    | 39.74            | 5.92              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 100                      | 10                               | 123.04                    | 43.46            | 6.47              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 100                      | 12                               | 129.55                    | 45.76            | 6.82              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 100                      | 14                               | 135.97                    | 48.02            | 7.15              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 100                      | 16                               | 140.53                    | 49.63            | 7.39              | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 200                      | 8                                | 190.67                    | 67.34            | 10.03             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 200                      | 10                               | 204.21                    | 72.13            | 10.75             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 200                      | 12                               | 217.45                    | 76.80            | 11.44             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 200                      | 14                               | 230.51                    | 81.41            | 12.13             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 200                      | 16                               | 241.54                    | 85.31            | 12.71             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 300                      | 8                                | 242.42                    | 85.62            | 12.76             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 300                      | 10                               | 260.01                    | 91.83            | 13.68             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 300                      | 12                               | 279.82                    | 98.83            | 14.72             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 300                      | 14                               | 296.30                    | 104.65           | 15.59             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 300                      | 16                               | 309.23                    | 109.22           | 16.27             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 400                      | 8                                | 303.51                    | 107.20           | 15.97             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 400                      | 10                               | 325.33                    | 114.90           | 17.12             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 400                      | 12                               | 348.79                    | 123.19           | 18.35             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 400                      | 14                               | 368.35                    | 130.10           | 19.38             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 400                      | 16                               | 383.07                    | 135.29           | 20.16             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 500                      | 8                                | 343.60                    | 121.36           | 18.08             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 500                      | 10                               | 381.69                    | 134.81           | 20.08             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 500                      | 12                               | 414.25                    | 146.31           | 21.80             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 500                      | 14                               | 437.30                    | 154.45           | 23.01             | 0.00            | 0.00            | 0.00 | 0.00 |
|                       |                                                             | 500                      | 16                               | 454.92                    | 160.67           | 23.94             | 0.00            | 0.00            | 0.00 | 0.00 |

| Type of Emission Unit |                                                                                                 | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |        |                 |         |        |
|-----------------------|-------------------------------------------------------------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|--------|-----------------|---------|--------|
|                       |                                                                                                 | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NOx    | SO <sub>2</sub> | CO      | VOC    |
| 8                     | Sand/Gravel Crushing and Screening, Hot Mix Asphalt with Lime Marination, and Concrete Batching | 50                       | 8                                | 34.94                     | 28.61            | 25.55             | 65.04  | 13.01           | 156.72  | 57.17  |
|                       |                                                                                                 | 50                       | 10                               | 37.87                     | 31.01            | 27.69             | 70.50  | 14.10           | 169.88  | 61.97  |
|                       |                                                                                                 | 50                       | 12                               | 42.05                     | 34.44            | 30.75             | 78.29  | 15.66           | 188.65  | 68.82  |
|                       |                                                                                                 | 50                       | 14                               | 46.96                     | 38.45            | 34.34             | 87.43  | 17.49           | 210.66  | 76.85  |
|                       |                                                                                                 | 50                       | 16                               | 52.20                     | 42.75            | 38.17             | 97.19  | 19.44           | 234.18  | 85.43  |
|                       |                                                                                                 | 75                       | 8                                | 49.30                     | 40.37            | 36.05             | 91.78  | 18.36           | 221.16  | 80.68  |
|                       |                                                                                                 | 75                       | 10                               | 53.56                     | 43.85            | 39.16             | 99.70  | 19.94           | 240.25  | 87.64  |
|                       |                                                                                                 | 75                       | 12                               | 59.57                     | 48.78            | 43.55             | 110.89 | 22.18           | 267.21  | 97.48  |
|                       |                                                                                                 | 75                       | 14                               | 66.70                     | 54.62            | 48.77             | 124.17 | 24.83           | 299.20  | 109.15 |
|                       |                                                                                                 | 75                       | 16                               | 73.69                     | 60.34            | 53.88             | 137.19 | 27.44           | 330.58  | 120.59 |
|                       |                                                                                                 | 100                      | 8                                | 63.98                     | 52.39            | 46.78             | 119.11 | 23.82           | 287.01  | 104.70 |
|                       |                                                                                                 | 100                      | 10                               | 69.57                     | 56.97            | 50.87             | 129.53 | 25.91           | 312.11  | 113.85 |
|                       |                                                                                                 | 100                      | 12                               | 77.55                     | 63.51            | 56.71             | 144.38 | 28.88           | 347.91  | 126.91 |
|                       |                                                                                                 | 100                      | 14                               | 86.98                     | 71.22            | 63.60             | 161.93 | 32.39           | 390.19  | 142.34 |
|                       |                                                                                                 | 100                      | 16                               | 90.67                     | 74.25            | 66.30             | 168.80 | 33.76           | 406.75  | 148.38 |
|                       |                                                                                                 | 200                      | 8                                | 122.54                    | 100.34           | 89.60             | 228.13 | 45.63           | 549.71  | 200.53 |
|                       |                                                                                                 | 200                      | 10                               | 134.89                    | 110.46           | 98.63             | 251.13 | 50.23           | 605.13  | 220.75 |
|                       |                                                                                                 | 200                      | 12                               | 142.82                    | 116.95           | 104.43            | 265.89 | 53.18           | 640.69  | 233.72 |
|                       |                                                                                                 | 200                      | 14                               | 147.03                    | 120.39           | 107.51            | 273.72 | 54.74           | 659.56  | 240.60 |
|                       |                                                                                                 | 200                      | 16                               | 153.17                    | 125.42           | 112.00            | 285.16 | 57.03           | 687.12  | 250.65 |
|                       |                                                                                                 | 300                      | 8                                | 154.59                    | 126.59           | 113.04            | 287.80 | 57.56           | 693.50  | 252.98 |
|                       |                                                                                                 | 300                      | 10                               | 165.23                    | 135.30           | 120.81            | 307.60 | 61.52           | 741.21  | 270.39 |
|                       |                                                                                                 | 300                      | 12                               | 176.38                    | 144.43           | 128.97            | 328.36 | 65.67           | 791.23  | 288.64 |
|                       |                                                                                                 | 300                      | 14                               | 185.81                    | 152.15           | 135.86            | 345.91 | 69.18           | 833.52  | 304.06 |
|                       |                                                                                                 | 300                      | 16                               | 192.58                    | 157.70           | 140.82            | 358.53 | 71.71           | 863.92  | 315.15 |
|                       |                                                                                                 | 400                      | 8                                | 179.46                    | 146.95           | 131.22            | 334.09 | 66.82           | 805.04  | 293.67 |
|                       |                                                                                                 | 400                      | 10                               | 192.70                    | 157.80           | 140.90            | 358.75 | 71.75           | 864.46  | 315.35 |
|                       |                                                                                                 | 400                      | 12                               | 204.91                    | 167.79           | 149.83            | 381.48 | 76.30           | 919.22  | 335.33 |
|                       |                                                                                                 | 400                      | 14                               | 214.36                    | 175.53           | 156.73            | 399.06 | 79.81           | 961.58  | 350.78 |
|                       |                                                                                                 | 400                      | 16                               | 222.17                    | 181.92           | 162.45            | 413.60 | 82.72           | 996.62  | 363.56 |
|                       |                                                                                                 | 500                      | 8                                | 201.56                    | 165.05           | 147.38            | 375.24 | 75.05           | 904.19  | 329.84 |
|                       |                                                                                                 | 500                      | 10                               | 227.56                    | 186.34           | 166.39            | 423.64 | 84.73           | 1020.82 | 372.39 |
|                       |                                                                                                 | 500                      | 12                               | 247.78                    | 202.90           | 181.17            | 461.29 | 92.26           | 1111.53 | 405.48 |
|                       |                                                                                                 | 500                      | 14                               | 261.18                    | 213.86           | 190.97            | 486.22 | 97.24           | 1171.62 | 427.40 |
|                       |                                                                                                 | 500                      | 16                               | 271.26                    | 222.12           | 198.34            | 505.00 | 101.00          | 1216.85 | 443.90 |

| Type of Emission Unit |                                                                                                    | Operating Parameters     |                                  | Emission Limits (lbs/day) |                  |                   |        |                 |         |        |
|-----------------------|----------------------------------------------------------------------------------------------------|--------------------------|----------------------------------|---------------------------|------------------|-------------------|--------|-----------------|---------|--------|
|                       |                                                                                                    | Minimum Setback (meters) | Maximum Daily Hours of Operation | PM                        | PM <sub>10</sub> | PM <sub>2.5</sub> | NOx    | SO <sub>2</sub> | CO      | VOC    |
| 9                     | Sand/Gravel Crushing and Screening, Hot Mix Asphalt without Lime Marination, and Concrete Batching | 50                       | 8                                | 32.52                     | 27.87            | 25.61             | 65.64  | 13.13           | 158.17  | 57.70  |
|                       |                                                                                                    | 50                       | 10                               | 35.25                     | 30.22            | 27.77             | 71.16  | 14.23           | 171.47  | 62.55  |
|                       |                                                                                                    | 50                       | 12                               | 39.16                     | 33.56            | 30.84             | 79.04  | 15.81           | 190.46  | 69.48  |
|                       |                                                                                                    | 50                       | 14                               | 43.73                     | 37.48            | 34.44             | 88.27  | 17.65           | 212.70  | 77.59  |
|                       |                                                                                                    | 50                       | 16                               | 48.60                     | 41.66            | 38.28             | 98.10  | 19.62           | 236.39  | 86.23  |
|                       |                                                                                                    | 75                       | 8                                | 46.02                     | 39.45            | 36.25             | 92.90  | 18.58           | 223.86  | 81.66  |
|                       |                                                                                                    | 75                       | 10                               | 50.01                     | 42.86            | 39.38             | 100.94 | 20.19           | 243.22  | 88.72  |
|                       |                                                                                                    | 75                       | 12                               | 55.64                     | 47.69            | 43.82             | 112.31 | 22.46           | 270.61  | 98.72  |
|                       |                                                                                                    | 75                       | 14                               | 62.29                     | 53.38            | 49.06             | 125.73 | 25.15           | 302.95  | 110.51 |
|                       |                                                                                                    | 75                       | 16                               | 69.13                     | 59.25            | 54.45             | 139.53 | 27.91           | 336.22  | 122.65 |
|                       |                                                                                                    | 100                      | 8                                | 59.93                     | 51.37            | 47.20             | 120.97 | 24.19           | 291.50  | 106.34 |
|                       |                                                                                                    | 100                      | 10                               | 65.19                     | 55.87            | 51.34             | 131.58 | 26.32           | 317.06  | 115.66 |
|                       |                                                                                                    | 100                      | 12                               | 72.69                     | 62.30            | 57.25             | 146.72 | 29.34           | 353.53  | 128.97 |
|                       |                                                                                                    | 100                      | 14                               | 81.51                     | 69.86            | 64.20             | 164.53 | 32.91           | 396.46  | 144.63 |
|                       |                                                                                                    | 100                      | 16                               | 85.26                     | 73.07            | 67.15             | 172.09 | 34.42           | 414.68  | 151.27 |
|                       |                                                                                                    | 200                      | 8                                | 115.25                    | 98.78            | 90.77             | 232.64 | 46.53           | 560.57  | 204.49 |
|                       |                                                                                                    | 200                      | 10                               | 125.38                    | 107.46           | 98.75             | 253.08 | 50.62           | 609.82  | 222.46 |
|                       |                                                                                                    | 200                      | 12                               | 132.65                    | 113.69           | 104.47            | 267.75 | 53.55           | 645.17  | 235.35 |
|                       |                                                                                                    | 200                      | 14                               | 138.47                    | 118.68           | 109.06            | 279.51 | 55.90           | 673.51  | 245.69 |
|                       |                                                                                                    | 200                      | 16                               | 143.26                    | 122.79           | 112.83            | 289.17 | 57.83           | 696.79  | 254.18 |
|                       |                                                                                                    | 300                      | 8                                | 144.51                    | 123.86           | 113.82            | 291.69 | 58.34           | 702.87  | 256.40 |
|                       |                                                                                                    | 300                      | 10                               | 154.43                    | 132.36           | 121.63            | 311.72 | 62.34           | 751.12  | 274.00 |
|                       |                                                                                                    | 300                      | 12                               | 164.78                    | 141.23           | 129.78            | 332.61 | 66.52           | 801.47  | 292.37 |
|                       |                                                                                                    | 300                      | 14                               | 173.32                    | 148.55           | 136.51            | 349.86 | 69.97           | 843.02  | 307.53 |
|                       |                                                                                                    | 300                      | 16                               | 179.77                    | 154.08           | 141.59            | 362.88 | 72.58           | 874.40  | 318.97 |
|                       |                                                                                                    | 400                      | 8                                | 169.54                    | 145.31           | 133.53            | 342.21 | 68.44           | 824.61  | 300.81 |
|                       |                                                                                                    | 400                      | 10                               | 182.04                    | 156.03           | 143.38            | 367.46 | 73.49           | 885.43  | 323.00 |
|                       |                                                                                                    | 400                      | 12                               | 193.46                    | 165.81           | 152.37            | 390.50 | 78.10           | 940.95  | 343.25 |
|                       |                                                                                                    | 400                      | 14                               | 202.07                    | 173.19           | 159.16            | 407.88 | 81.58           | 982.85  | 358.54 |
|                       |                                                                                                    | 400                      | 16                               | 209.59                    | 179.63           | 165.07            | 423.05 | 84.61           | 1019.39 | 371.87 |
|                       |                                                                                                    | 500                      | 8                                | 191.80                    | 164.39           | 151.06            | 387.15 | 77.43           | 932.88  | 340.31 |
|                       |                                                                                                    | 500                      | 10                               | 216.28                    | 185.37           | 170.35            | 436.57 | 87.31           | 1051.96 | 383.75 |
|                       |                                                                                                    | 500                      | 12                               | 234.58                    | 201.06           | 184.76            | 473.51 | 94.70           | 1140.98 | 416.22 |
|                       |                                                                                                    | 500                      | 14                               | 247.74                    | 212.34           | 195.13            | 500.07 | 100.01          | 1204.98 | 439.57 |
|                       |                                                                                                    | 500                      | 16                               | 257.55                    | 220.74           | 202.85            | 519.87 | 103.97          | 1252.69 | 456.97 |