MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Statement of Basis

Preliminary Determination/Decision

for
Renewal of

FOP Number: 223900003

For:

CalPortland Company

Facility:

CalPortland – Oro Grande

Facility Address:

19409 National Trails Highway
Oro Grande, CA 92368

Document Date: November 23, 2020
Submittal date to EPA/CARB for review: November 23, 2020
EPA/CARB 45-day Commenting Period ends: January 7, 2021
Public Notice Posted: November 27, 2020
Public Commenting Period ends: December 28, 2020
Permit Issue date: January 8, 2021

Permitting Engineer:
Chris Anderson

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A. FACILITY IDENTIFYING INFORMATION

Owner/Company Name:	CALPORTLAND COMPANY
Owner Mailing Address:	CALPORTLAND COMPANY P.O. Box 146, Oro Grande, CA 92368
Facility Name:	CALPORTLAND – ORO GRANDE
Facility Location:	19409 National Trails Hwy, Oro Grande, CA 92368
Mailing Address:	CALPORTLAND COMPANY P.O. Box 146 Oro Grande, CA 92368
MDAQMD Federal Operating Permit Number:	223900003
MDAQMD Company Number:	2239
MDAQMD Facility Number:	3
Responsible Official: Title: Phone Number:	Mr. Richard P. Walters Jr. Plant Manager (760) 269-1183
Facility "Site" Contacts:	Ms. Catalina Fernandez-Moores Environmental Manager (760) 269-1135 cfernandez@calportland.com Ms. Desirea Haggard Director of Environmental Affairs (626) 691-1966 dhaggard@calportland.com
Facility "Off Site" Contacts:	Ms. Desirea Haggard Director of Environmental Affairs dhaggard@calportland.com
Phone Number:	(626) 691-1966
Nature of Business:	Cement Manufacturing
SIC/NAICS Code:	3241/327310 - Cement Manufacturing
Facility Coordinates:	UTM (km) 469E/3828N

B. BACKGROUND:

The Federal Clean Air Act Amendments of 1990 established a nation-wide permit to operate program commonly known as "Title V". The MDAQMD adopted Regulation XII [Rules 1200 - 1210] and Rule 221 - *Federal Operating Permit Requirement*; [Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217], to implement both the Federal Operating Permit and Acid Rain Permit programs locally and have received Final Program Approval from EPA on March 6, 1996.

This facility (CalPortland Company, hereafter CalPortland) is subject to the Operating Permit requirements of Title V of the federal Clean Air Act, Part 70 of Title 40 of the Code of Federal Regulations (CFR), and MDAQMD Regulation XII, *Federal Operating Permits*. CalPortland is defined as a federal Major Facility pursuant to District Rule 1201 – *Federal Operating Permit Definition*, as this facility has a Potential to Emit (PTE) greater than the Major Facility thresholds for a facility located within the District where it is designated as Federal Ozone Attainment or Unclassified.

Pursuant to Regulation XII, *Federal Operating Permits*, the District has reviewed the terms and conditions of this Federal Operating Permit and determined that they are still valid and correct. This review included an analysis of federal, state, and local applicability determinations for all sources, including those that have been modified or permitted since the issuance of the current Federal Operating Permit. The review also included an assessment of all monitoring in the permit for sufficiency to determine compliance. This *Statement of Legal and Factual Basis*, pursuant to Rule 1203(B)(1)(a)(i), is intended to assess the adequacy of the proposed Title V Permit renewal and explain the District's basis in composing the proposed Title V Permit renewal.

In the MDAQMD, state and District requirements are also applicable requirements and are included in the permit. These requirements can be federally enforceable or non-federally enforceable. State and District applicable requirements are designated as such.

The purpose of this action is to renew CalPortland’s Federal Operating Permit.

C. DESCRIPTION OF FACILITY:

CalPortland Company– Oro Grande is a modernized operation consisting of a pre-heater/pre-calciner cement kiln which processes limestone quarried at the location and other raw materials. The kiln produces cement clinker from the raw materials. The clinker is ground with gypsum and other additives to produce cement which is distributed from the site via truck and rail.

CalPortland submitted an application for this current Title V renewal on September 11, 2020. CalPortland is defined as a federal Major Facility, subject to the Title V Program requirements, pursuant to District Rule 1201 – *Federal Operating Permit Definitions*, as this facility has a Potential to Emit (PTE) greater than the Major Source Thresholds for the following pollutants for a facility located within the Federal Ozone Non-attainment Area: Particulate Matter, Particulate Matter with an aerodynamic diameter of 10 microns or less (PM_{10}), Particulate Matter with an aerodynamic diameter of 2.5 microns or less ($PM_{2.5}$), Carbon Monoxide (CO), Oxides of

Nitrogen (NO_X), Sulfur Dioxide (SO_2), and Combined Hazardous Air Pollutants (HAPs). CalPortland is also defined as a major source of greenhouse gas emissions (GHG). CalPortland conducts activities that are regulated by 40 CFR 82 – Protection of Stratospheric Ozone.

D. CHANGES MADE TO THE FEDERAL OPERATING PERMIT AS PART OF THE RENEWAL:

GENERAL UPDATES

- Updated the table of contents to correctly identify corresponding page numbers.
- Removed reference to "Portland" cement from permit as this facility produces different types of cement including Portland cement; facility SIC/NAICS is for cement manufacturing.
- Made administrative updates (typographical errors, change wording of condition permit for clarity, etc.) throughout the Federal Operating Permit.
- All permit conditions were updated to list all applicable rule citations in the following format [District Rule; State Rule; Federal Rule] with the citation contained in a single line immediately following the permit condition.

PART I: INTRODUCTORY INFORMATION

This section of the Federal Operating Permit contains general information about the Oro Grande facility, including facility identifying information (section A), a description of the facility (section B), and a description of the facility's equipment (section C).

Changes made to this section of the FOP:

- Part I, Section A, the title and phone number of the Facility "Site" Contact was updated to current.
- Part I, Section C, an equipment list has been added including a complete list of active District Permits and the permit descriptions.

PART II: FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

This section of the Federal Operating Permit contains requirements applicable to the entire facility and equipment (section A), facility-wide monitoring, recordkeeping, and reporting requirements (section B), and facility-wide compliance conditions (section C).

Changes made to this section of the FOP:

- Part II, Section A.1 was updated to match the District Rule 201 and 203 language.
- Part II, Section A.8 was updated to match District Rule 217 language.
- Part II, Section A.9 was added to include the requirements of District Rule 218.
- Part II, Section A.14 was updated to reflect the most recent version of District Rule 401.
- Part II, Section A.15 was updated to reflect the most recent version of District Rule 431.
- Part II, Section A.16 was updated to reflect the most recent version of District Rule 403.
- Part II, Section A.17 was updated to reflect the most recent version of District Rule 403.

- Part II, Section A.18 was updated to match the current District Rule 404 language.
- Part II, Section A.19 was updated to match the current District Rule 405 language.
- Part II, Section A.24 was removed as the condition does not apply to current Facility operations.
- Part II, Section A.27 was updated with the correct language from District Rule 1104.
- Part II, Section A.29 was removed per the request in the Title V Application as CalPortland does not apply coatings or adhesives to wood products at the Facility.
- Part II, Section A.29 was updated to reflect the most recent version of District Rule 1115.
- Part II, Section A.31 was removed per the request in the Title V Application as CalPortland does not conduct automotive refinishing operations at the Facility.
- Part II, Section A.30 was added to include the requirements of District Rule.
- Part II, Section A.31 was updated to reflect the most recent version of District Rule. Only applicable requirements that CalPortland demonstrates compliance with are provided in the condition.
- Part II, Section A.34 was removed per the request in the Title V Application as the requirements of the Greenhouse Gas (GHG) reporting rule are not currently included in the definition of applicable requirements under 40 CFR 70.2 and 71.2.
- Part II, Section A.33 was added to include the requirements of District Rules 900 and 1000.
- Part II, Section B.3 was updated to clarify the format for submitting emissions inventory data.
- Part II, Section B.4 was updated to change the reporting period of the annual Compliance Certification to a calendar year basis. CalPortland will submit the annual Compliance Certification for the period from March 17, 2020 through December 31, 2020 to MDAQMD by January 30, 2021. All subsequent annual Compliance Certifications will be submitted as required by the updated permit condition.
- Part II, Section B.5 was updated to change the reporting period of the semi-annual Monitoring Report to a calendar year basis. CalPortland will submit the semi-annual Monitoring Report for the period from September 14, 2020 through December 31, 2020 to MDAQMD by January 30, 2021. All subsequent Monitoring Reports will be submitted semi-annually as required by the updated permit condition.
- Part II, Section B.6 was updated to reflect the current District Rule 430 language.
- Part II, Section B.7 was updated to include the correct references to MDAQMD Rule 501.
- Part II, Section B.8 was added to include the application deadlines of the Title V Permit renewal process to ensure timely submissions and renewals.
- Part II, Section C.5 was updated to match the current language of District Rule 1203.
- Part II, Section C.9 was updated to reflect the current 40 CFR 61.145 language.
- Part II, Section C.10 was added to include the requirements of District Rule 1211.

PART III: EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

This section of the Federal Operating Permit contains equipment-specific applicable requirements including emission limitations, monitoring and recordkeeping, reporting and testing, and compliance plans.

Changes made to this section of the FOP:

- Part III, ALL SECTIONS
    - Updated to correct the formatting such that each permit unit is listed in individual sections starting with Section A and continuing alphabetically.
    - Updated such that the formatting of the tables and the equipment listed in the equipment description matches those of the local MDAQMD permit equipment descriptions.
    - Updated such that condition 1 contains MDAQMD's standard language.
    - Updated to incorporate the requirements of the applicable federal regulations. Refer to Section E of this Determination for additional details on the applicable regulations. Note that Appendix C of the FOP lists all applicable federal requirements that apply to the permit units at the facility.
    - Updated to incorporate the requirements of the applicable District Rules. Refer to Section E of this Determination for additional details on the applicable regulations.
    - Updated equipment descriptions based on current Facility Process Flow Diagram (PFD). There were no physical changes made to the plant; the updates correct information incorrectly listed in the previous version of the FOP.
- Part III, ALL "C" EQUIPMENT
    - Updated such that the equipment description specifies that the total filter area and air to cloth ratio is the minimum allowable. This change allows CalPortland flexibility in the bags used while guaranteeing that the selected bag is at least as efficient as specified in the permit. This change does not change the potential to emit associated with the units.
    - Updated such that condition 2 lists each equipment unit being controlled by the associated control device along with the associated "B" or "T" permits.
    - Except for C000138, C001713, and C000140, updated from quarterly to annual bag and bag suspension system inspections. CAPCOA/CARB/EPA Region IX periodic Monitoring Workgroup Guidelines (CAPCOA Guidelines) state that an annual inspection of the entire baghouse is a sufficient form of monitoring to ensure proper operation. This, in combination with the weekly reading of baghouse pressure drop and periodic baghouse stack observations provides a sufficient level of confidence that each baghouse is being properly operated and maintained. C000138, C001713, and C000140 are baghouses which were installed in the 1950s and have not been replaced; as a result, the District has chosen to continue to require quarterly bag and bag suspension system inspections on these older units as an added level of confidence that each baghouse is being properly operated and maintained. Additionally, all monitoring is sufficient to meet the applicable requirements of 40 CFR 63 Subpart LLL as detailed in Appendix C of the FOP.
    - Added 40 CFR 64, Compliance Assurance Monitoring (CAM) requirements to C007413, C007414, C007448, C007416, C007415, C001708, C013002 including

daily Method 22 visible emissions monitoring, maintaining a copy of the District approved CAM Plan, and documenting and reporting exceedances of the specified QIP threshold. See Appendix B for additional information on CAM applicability.
    - Updated all baghouse monitoring conditions from "…using USEPA Method 22, and USEPA Method 9 if necessary" to "using USEPA Method 22, and USEPA Method 9 if visible emissions are detected."
- Part III, ALL "B" AND "T" EQUIPMENT
    - Updated such that condition 2 lists each equipment unit being controlled and the control device it must be routed to.
    - Updated to remove any conditions which applied only to the control devices associated with this equipment except for equipment which does not have a separate "C" type permit (i.e., only T012150).
- Part III, Section A, PROCESS GROUPS #110 AND 121: PRIMARY AND SECONDARY CHRUSHING SYSTEMS – MDAQMD PERMIT B000137:
    - Combined process groups 110 and 121 into one section to create consistency with how local permit is written.
    - Removed condition 3 requiring a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications. This condition was duplicative of condition 4 and its removal does not change the requirements of CalPortland to maintain a log of inspections and maintenance.
    - Removed the initial compliance test requirements as the compliance test was performed and passed. This condition is now obsolete.
- Part III, Section R, COKE HANDLING & BIN BAGHOUSE 461BF301 – MDAQMD PERMIT C013677:
    - Updated equipment name to include the coke bin controlled by this unit.
- Part III, Section ZZ BAGHOUSE, INTERMEDIATE STORAGE BIN 341BF301 Permit C012148:
    - Removed the initial compliance test requirements as the compliance test was performed and passed. This condition is now obsolete.
- Part III, MATERIAL HANDLING – MDAQMD PERMIT B007434:
    - Removed this unit from the FOP. This equipment has not been constructed and CalPortland has requested that ATC B007434 be cancelled.
- Part III, Section AAA PREHEATER AND KILN – MDAQMD PERMIT #B007435
    - Removed obsolete conditions connected to construction, initial compliance testing requirements, and start-up of kiln. The requirements of these conditions have been met.
    - Incorporated all applicable requirements of 40 CFR 63 Subpart LLL. Appendix C of the FOP addresses 40 CFR 63 Subpart LLL applicability and details how CalPortland complies with the requirements.
    - Updated such that it is clear that CalPortland will demonstrate compliance with the PM_{10} limit at the kiln exhaust and the TSP and PM_{10} limits at the clinker cooler exhaust through annual stack test results and will demonstrate compliance with PM, filterable limit at the kiln and clinker cooler exhausts through the use of a CPMS.
- Part III, Section ZZZ BAGHOUSE, MATERIAL STORAGE BIN 511BF108– MDAQMD PERMIT C012149:

    - Removed the initial compliance test requirements as the compliance test was performed and passed. This condition is now obsolete.
- Part III, Section RRRRR, SILOS, CEMENT AND FLY ASH STORAGE (silos 1 through 4) – MDAQMD PERMIT T001734:
    - Corrected permit unit description to include fly ash storage.
- Part III, Section NNNNNNN, GASOLINE DISPENSING FACILITY (NON-RETAIL) – MDAQMD PERMIT N005096:
    - Updated to reflect the District standard template for gasoline dispensing facilities.

PART IV: STANDARD FEDERAL OPERATING PERMIT CONDITIONS

This section of the Federal Operating Permit contains standard federal operating permit conditions.

Changes made to this section of the FOP:

- Part IV, Section A.16 was updated to include reference to Health and Safety Code Section 42303, 42705, and 42 U.S.C §7414.
- Part IV, Section A.23 was removed as requested in the Title V Renewal Application as the requirements of District Rule 1202 have been added to Part II, Section C.

PART V: OPERATIONAL FLEXIBILITY

This section of the Federal Operating Permit contains information on Off Permit Changes.

Changes made to this section of the FOP:

- Part V, Section B.II.B, the timeline for making proposed changes after forwarding a copy of the notice and application to USEPA was updated from thirty days to seven days per the requirements of District Rule 1203.

PART VI: CONVENTIONS, ABREVIATIONS, DEFINITIONS

Changes made to this section of the FOP:

● This section was updated to list and define all acronyms used in the FOP.

APPENDICES

Changes made to this section of the FOP:

● Appendix A
    ○ Removed the current Appendix A which listed the specific applicability of Federal Regulations in a list and table format as much of this applicability was outdated.

○ Replaced the previous appendix with a table outlining the facility emission units and applicable requirement categories. The requirement categories are tied to sections in Appendices B and C which contain the applicable requirements for each category.

- Appendix B
  - ○ Updated to include a Rule/Regulation Applicability crosswalk listing all MDAQMD Rules and their applicability to each of the Federal Rule Categories contained within Appendix C. The Rules are broken into the following subcategories: SIP approved MDAQMD Rules, non-federally enforceable SIP-pending MDAQMD Rules, prior SIP-approved versions of SIP-pending MDAQMD Rules, other federally enforceable requirements, and non-SIP requirements.
  - ○ Updated the MDAQMD SIP Table to reflect the most current version of the SIP.
- Appendix C
  - ○ Updated to include the requirements of specific applicable federal regulations. Most equipment at the Facility falls under one of the following categories contained in Appendix C:
    - Section C1: 40 CFR 60, Subpart A, NSPS General Provisions & Subpart F, NSPS for Portland Cement Plants
    - Section C2: 40 CFR 60, Subpart A, NSPS General Provisions & Subpart Y, NSPS for Coal Preparation Plants and Processing Plants
    - Section C3: 40 CFR 60, Subpart A, NSPS General Provisions & Subpart OOO, NSPS for Nonmetallic Mineral Processing Plants
    - Section C4: 40 CFR 60, Subpart A, NSPS General Provisions & Subpart IIII, NSPS for Stationary Compression Ignition Internal Combustion Engines
    - Section C5: 40 CFR 63, Subpart A, NESHAP General Provisions & 40 CFR 63, Subpart LLL, NESHAP for Portland Cement Manufacturing Industry
      - Section C5.1: Summary of Kiln Requirements under NESHAP Subpart LLL
      - Section C5.2: Summary of Clinker Cooler Requirements under NESHAP Subpart LLL
      - Section C5.3: Summary of Raw Mill and Finish Mill Requirements under NESHAP Subpart LLL
      - Section C5.4: Summary of "Other Affected Source" Requirements under NESHAP Subpart LLL
    - Section C6: 40 CFR 63, Subpart A, NESHAP General Provisions & 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary Reciprocating Internal Combustion Engines
    - Section C7: 40 CFR 82, Protection of Stratospheric Ozone Requirements for Refrigeration Units with <50 lbs Refrigerant
  - ○ Removed the previous language contained in Appendix C granting an extension of compliance with the certain provisions of 40 CFR Subpart LLL as this extension is obsolete at the time of this renewal.

E. RULE APPLICABILITY

District Rules

Rule 107 – *Certification and Emission Statements*. CalPortland is required to submit an emissions statement certified by a responsible official which contains actual emission data from the source for oxides of nitrogen and reactive organic compounds. CalPortland has addressed this regulation per Part II, section B.3 of their FOP.

Rule 201/203 – *Permits to Construct/Permit to Operate*. Any equipment which may cause the issuance of air contaminants must obtain authorization for such construction from the Air Pollution Control Officer. CalPortland is in compliance with this rule as they have appropriately applied for a District permit for all new equipment and maintains District permits for all residing equipment per Part II, section A.1 and A.2 of their FOP.

Rule 204 – *Permit Conditions*. To assure compliance with all applicable regulations, the Air Pollution Control Officer (Executive Director) may impose written conditions on any permit. CalPortland complies with all applicable regulations per Part II, section A.3 and A.4 of their FOP.

Rule 206 – *Posting of Permit to Operate*. Equipment shall not operate unless the entire permit is affixed upon the equipment or kept at a location for which it is issued and will be made available to the District upon request. CalPortland complies with this regulation per Part II, section A.5 of their FOP.

Rule 207 – *Altering or Falsifying of Permit.* A person shall not willfully deface, alter, forge, or falsify any issued permit. CalPortland complies with this regulation per Part II, section A.6 of their FOP.

Rule 209 – *Transfer and Voiding of Permits*. CalPortland shall not transfer, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another. When equipment which has been granted a permit is altered, changes location, or no longer will be operated, the permit shall become void. CalPortland complies with this regulation per Part II, section A.7 of their FOP.

Rule 210 – *Applications*. CalPortland provided all information necessary to enable the District to make a determination on granting the permit.

Rule 212 – *Standards for Approving Permits*. This rule establishes baseline criteria for approving permits by the District for certain projects. In accordance with these criteria, the proposed modifications and application does not cause issuance of air contaminants in violation of Sections 41700 or 41701 of the State Health and Safety code.

Rule 217 – *Provisions for Sampling and Testing Facilitie*s. This rule requires the applicant to provide and maintain requirements for sampling and testing. CalPortland is in compliance with this rule per Part II, section A.8 of their FOP.

Rule 218 – *Stack Monitoring*. This rule requires facilities to provide, properly install, and maintain stack monitoring systems. CalPortland is in compliance with this rule per Part II, section A.9 of their FOP.

Rule 219 – *Equipment not Requiring a Permit*. This rule exempts certain equipment from District Permit. CalPortland is in compliance with this rule per Part II, section A.10.

Rule 221 – *Federal Operating Permit Requirement.* CalPortland is in compliance with this rule, as they currently hold and maintain a Federal Operating Permit.

Rule 301/312 – *Permit Fees/Fees for Federal Operating Permits*. CalPortland's annual permit fees are due by the applicable amounts. CalPortland has addressed these requirements in Part II, sections A.12 and A.13.

Rule 401 – *Visible Emissions*. This rule limits visible emissions opacity to less than 20 percent (or Ringlemann No. 1). In normal operating mode, visible emissions are not expected to exceed 20 percent opacity. CalPortland has specific operating conditions that enforce compliance with this rule, specifically Part II, section A.14.

Rule 403 – *Fugitive Dust*. This rule prohibits fugitive dust beyond the property line of any emission source and ensures that the NAAQS for PM10 will not be exceeded due to anthropogenic sources of fugitive dust with the Mojave Desert Planning Area. CalPortland has specific operating conditions to ensure compliance with this condition, specifically Part II, sections A.16 and A.17.

Rule 404 – *Particulate Matter Concentration*. CalPortland shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).

(a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
(b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
(c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

CalPortland adheres to this rule per Part II, section A.18 of their FOP.

Rule 405 – *Solid Particulate Matter, Weight*. CalPortland shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a):

(a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
(b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

CalPortland adheres to this rule per Part II, section A.19 of their FOP.

Rule 406 – *Specific Contaminants*. This rule limits emissions of sulfur compounds from any single source. CalPortland meets this requirement by complying with operating condition listed in Part II, section A.20 of their FOP.

Rule 407 – Liquid and Gaseous Air Contaminants. This rule limits CO emissions from facilities. CalPortland meets this requirement by complying with operating condition listed in Part II, section A.21 of their FOP.

Rule 408 – *Circumvention*. This rule prohibits hidden or secondary rule violations. The proposed renewal as described is not expected to violate Rule 408. CalPortland meets this requirement by complying with operating condition listed in Part II, section A.22 of their FOP.

Rule 409 – *Combustion Contaminants*. This rule limits the emissions of combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 25 consecutive minutes. CalPortland meets this requirement by complying with operating condition listed in Part II, section A.23 of their FOP.

Rule 430 – *Breakdown Provisions*. Any Breakdown which results in a violation to any rule or regulation as defined by Rule 430 shall be properly addressed pursuant to this rule. CalPortland meets this requirement by complying with operating condition listed in Part II, section A.24 of their FOP.

Rule 431 – *Sulfur Content of Fuels*. CalPortland is limited to use of the following quality fuels for gaseous and liquid fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent. CalPortland is required to adhere to this rule per Part II, section A.15 and A.25. Per Rule 431(I)(6), CalPortland is exempt from complying with the solid fuel sulfur limitations as the process conditions remove sulfur compounds from the kiln stack gases to the extent that the emission of sulfur compounds into the atmosphere are less than the 0.5 percent by weight limitation specified in the Rule. As listed in Part III, section AAA of the FOP, CalPortland operates an SO_2 CEMS and will provide the documentation needed to demonstrate this exemption upon request.

Rule 442 – *Usage of Solvents*. This rule reduces VOC emissions from VOC containing materials or equipment that is not subject to any other rule in Regulation XI. CalPortland meets this requirement by complying with operating condition listed in Part II, section A.25 of their FOP.

Rule 444 – *Open Outdoor Fires*. The purpose of this rule is to ensure that the ambient air quality is not significantly degraded due to Open Outdoor Fires; and, to apply the District Smoke Management Program to specified applications while minimizing smoke impacts to the public. CalPortland is required to meet the requirements of this rule pursuant to Part II, section A.26 of their FOP.

Rule 461 – *Gasoline Transfer and Dispensing.* This rule limits the emissions of VOCs and toxic compounds from the transfer and dispensing of gasoline. CalPortland meets the requirements of

this rule by complying with operating conditions listed in Part III, section NNNNNNN of their FOP.

Rule 900 – *Standards of Performance for New Stationary Sources (NSPS)*. Rule 900 adopts all applicable provisions regarding standards of performance for new stationary sources as set forth in 40 CFR 60. Four NSPSs apply to CalPortland: 40 CFR 60, Subpart A, F, Y, O, and IIII. CalPortland complies with these NSPSs per the specific requirements listed under the corresponding sections under Appendix C:

- 40 CFR 60, Subpart A – *NSPS General Provisions*: Appendix C, Sections C1 through C4.
- 40 CFR 60, Subpart F – *NSPS for Portland Cement Plants*: Appendix C, Section C1.
- 40 CFR 60, Subpart Y – *NSPS for Coal Preparation Plants and Processing Plants*: Appendix C, Section C2.
- 40 CFR 60, Subpart OOO – *NSPS for Nonmetallic Mineral Processing Plants*: Appendix C, Section C3.
- 40 CFR 60, Subpart IIII – *NSPS for Stationary Compression Ignition Internal Combustion Engines*: Appendix C, Section C13.

Rule 1104 – *Organic Solvent Degreasing Operations*. This rule limits the emission of VOCs from wipe cleaning and degreasing operations using organic solvents. CalPortland meets this requirement by complying with operating condition listed in Part II, section A.27 of their FOP.

Rule 1113 – *Architectural Coatings*. This rule limits the quantity of VOC in Architectural Coatings. CalPortland meets the requirements of this rule by complying with operating condition listed in Part II, section A.28 of their FOP.

Rule 1115 – *Metal Parts and Products Coatings*. This rule limits the emission of VOC from coatings associated with Metal Parts and Products. CalPortland meets the requirements of this rule by complying with operating condition listed in Part II, section A.29 of their FOP.

Rule 1160 – *Internal Combustion Engines*. This rule limits the emissions of NO_X, CO and VOC from Internal Combustion Engines that are not subject to District Rule 1160.1 – *Internal Combustion Engines in Agricultural Operations*. CalPortland is required to comply with the requirements of this rule pursuant to Part II, section A.30 of their FOP.

Rule 1161 – *Portland Cement Kilns*. This rule limits emissions of oxides of nitrogen (NO_X) resulting from the operation of existing Portland cement kilns. CalPortland meets the requirements of this rule by complying with operating condition listed in Part II, section A.31 of their FOP.

Regulation X – *National Emission Standards for Hazardous Air Pollutants*. Pursuant to Regulation X, CalPortland is required to comply with all applicable ATCMs.

Regulation XII – *Federal Operating Permits*. This regulation contains requirements for sources which must have a FOP. CalPortland currently has a FOP and is expected to comply with all applicable rules and regulations. Additionally, this is a requirement of their FOP under Part II, section A.32.

Rule 1201 – *Federal Operating Permit Definitions.* CalPortland is defined as a federal Major Facility pursuant to this rule.

Rule 1202 – *Applications*. CalPortland applied for a renewal to their Title V permit pursuant to this rule. The application was complete, but not considered timely due to being submitted within six months of the expiration of the current FOP. CalPortland has worked with MDAQMD to expedite the issuance of the renewed FOP to ensure that the FOP is issued prior to the expiration date of January 8, 2021.

Rule 1203 – *Federal Operating Permits*. This rule outlines the permit term, issuance, restrictions, content, operational flexibility, compliance certification, permit shield, and violations of Federal Operating Permits. The proposed Title V permit renewal contains all applicable requirements for all relevant permit units, non-permitted and fugitive emissions. The proposed permit contains emission limitations and/or standards, including operational limitations, which assures compliance with the applicable requirements and a reference to the origin and authority of each term or condition. The proposed Title V permit contains the monitoring, reporting, and record keeping requirements, as applicable, to demonstrate compliance with the applicable requirements. CalPortland complies with this rule per Part II, Part III, Part IV, and V of their FOP.

Rule 1205 – *Modifications of Federal Operating Permits*. This action to CalPortland's FOP does not constitute a modification; therefore, this rule is not subject to this action.

Rule 1206 – *Reopening, Reissuance and Termination of Federal Operating Permits*. This action to CalPortland's FOP does not constitute a Reopening, Reissuance or Termination of Federal Operating Permits; therefore, this rule is not subject to this action.

Rule 1207 – *Notice and Comment*. This rule outlines the noticing requirements for Notice and Comment. CalPortland will properly notice their renewal pursuant to this rule.

Rule 1208 – *Certification*. CalPortland included a Certification of Responsible Official as required with the submitted application for the Renewal.

Rule 1211 – *Greenhouse Gas Provisions of Federal Operating Permits*. CalPortland is a Major GHG Facility pursuant to Rule 1211. CalPortland is required to submit GHG data with any application per Part II, section C.10.

Regulation XIII – *New Source Review*. This regulation sets forth requirements for the preconstruction review of all new or modified facilities. CalPortland is not a new facility nor is it currently a modified facility; therefore, this regulation does not apply.

Rule 1520 – *Control of Toxic Air Contaminants from Existing Sources*. This rule controls the emission of toxic air contaminants from existing source. CalPortland is expected to comply with this rule on a routine basis as part of the Districts Emissions Inventory and Hot Spots Inventory programs. CalPortland is required to submit a comprehensive actual emissions inventory on an annual basis, and is required to update the actual toxic emissions on a triennial basis for routine

toxics analysis and compliance with this rule. CalPortland is currently defined as an "High Priority" based on the facility's prioritization scores.

Regulation XVII – *Prevention of Significant Deterioration*
Please take notice that this regulation is not currently used within the MDAQMD because the USEPA has not delegated authority for the PSD Program to the MDAQMD at this time. However, per the language in the applicability procedures of 40 CFR 52.21 (a)(2)(i) and (ii), PSD applies to "any new major stationary source or the major modification of any existing major stationary source". CalPortland is not a new major stationary source and this action does not constitute a major modification; hence, this project (Title V renewal) is not subject to PSD.

Federal Regulations

40 CFR 60, Subpart A – *NSPS General Provisions.* CalPortland complies with this regulation per Appendix C, Sections C1 through C4.

40 CFR 60, Subpart F – *NSPS for Portland Cement Plants*. CalPortland complies with this regulation per Appendix C, Section C1.

40 CFR 60, Subpart Y – *NSPS for Coal Preparation Plants and Processing Plants*. CalPortland complies with this regulation per Appendix C, Section C2.

40 CFR 60, Subpart OOO – *NSPS for Nonmetallic Mineral Processing Plants*. CalPortland complies with this regulation per Appendix C, Section C3.

40 CFR 60, Subpart IIII – *NSPS for Stationary Compression Ignition Internal Combustion Engines*. CalPortland complies with this regulation per Appendix C, Section C4 for emergency engines.

40 CFR 63, Subpart A – *NESHAP General Provisions*. CalPortland complies with this regulation per Appendix C, Sections C5 and C6.

40 CFR 63, Subpart LLL – *NESHAP for the Portland Cement Industry*. CalPortland complies with this regulation per Appendix C, Section C5.

40 CFR 63, Subpart ZZZZ – *NESHAP for Stationary Reciprocating Internal Combustion Engines*. CalPortland complies with this regulation per Appendix C, Section C6 for emergency engines.

40 CFR 64, *Compliance Assurance Monitoring*. The Compliance Assurance Monitoring (CAM) rule (40 CFR 64) applies to each Pollutant Specific Emissions Unit (PSEU) when it is located at a Major Facility that is required to obtain Title V, Part 70 or 71 permit and it meets all of the following criteria. "PSEU" means an emissions unit considered separately with respect to each regulated air pollutant.

The PSEU must:
a. Be subject to an emission limitation or standard [40 CFR 64(a)(1)]; AND,

b. Use a control device to achieve compliance [40 CFR 64.2(a)(2)]; AND,
c. Have the **potential pre-control** emissions that exceed or are equivalent to the major source threshold. [40 CFR 64.2(a)(3)]

CalPortland's Oro Grande facility currently has five PSEU applicable to CAM. Please refer to the CAM PSEU Emission Unit Evaluation and Analysis on the following pages.

40 CFR 82, *Protection of Stratospheric Ozone*. CalPortland complies with this regulation per Appendix C, Section C7.

CAM Stepwise Evaluation, Updated Nov. 10, 2020:

The following is a list of steps involved in evaluating CAM requirements for CalPortland emission units:

1) Define units to be evaluated for CAM applicability:
   - Make a current list of all emission units at the facility and associated control devices.
   - Identify emission units assumed to be exempt from CAM.
   - Review which associated control devices are considered inherent to the process due to the ability to recover material. These units are assumed to be exempt from CAM. See table in Appendix B for a list of emission units that are controlled by baghouses that are considered inherent to the process.

2) Check whether the remaining emission units have an emission limitation or standard and uses a control device to achieve compliance, in which case the unit is potentially subject to CAM. The following units were exempted from CAM at this stage because there is not an emission limitation or standard that applies were a control device is used to achieve compliance:
   - Gasoline Dispensing Facility – MDAQMD Permit N005096
   - Diesel IC Engine, Emergency Generator – MDAQMD Permit E009742

3) If an emissions unit is potentially subject to CAM (i.e. has not been exempted under steps 1 and 2), compare the unit's uncontrolled emissions to the 100 ton/year PM major source threshold. See table in Appendix B where uncontrolled PM emissions are calculated for each remaining emission unit with an associated control device.

4) For the following five pieces of equipment and seven associated baghouses which are subject to CAM, CalPortland will meet the CAM requirements of 40 CFR Part 64 by conducting daily opacity checks on the baghouses to ensure they are operating properly. This requirement is included as conditions in the renewal FOP for each applicable emission unit. Please refer to the district approved CAM Plan provided in Appendix B.

Equipment ID	Equipment Permit ID	Control Device ID	Control Device Permit ID
441AC101	B007435	511BF102	C007413
511DM101	T007453	511BF102	C007413
511BC101 511BE101	B007457	511BF106 511BF107 511BF105	C007414 C007448 C007416
511AC103 511AC101 511WF101	B007457	511BF105 511BF106 511BF101	C007416 C007414 C007415
551BC101 551BE101	B012999	511BF051 551BF102	C001708 C013002

F. CONCLUSIONS AND RECOMMENDATION:

The District has reviewed the application for the renewal of the CalPortland Federal Operating Permit. The District has determined that the renewal is in compliance with all applicable District, state, and federal rules and regulations as proposed when operated in the terms of the permit conditions given herein, and the attached revised FOP. The proposed permit and corresponding statement of legal and factual basis will be released for public comment and publicly noticed pursuant to District Rule 1207. To view the public notice please refer to Appendix A of this document.

APPENDIX A

Noticing Methods include the following, per District Rule 1207 (A)(1)(a):

- Scheduled to be published in newspapers of general circulation - Riverside Press Enterprise (Riverside County) and the Daily Press (San Bernardino County) on or about November 27, 2020.
- Mailed and/or emailed to MDAQMD contact list of persons requesting notice of actions (see the contact list following the Public Notice in Appendix A).
- Posted on the MDAQMD Website at the following link: https://www.mdaqmd.ca.gov/permitting/public-notices-advisories/public-notices-permitting-regulated-industry

NOTICE OF TITLE V PERMIT MODIFICATION

NOTICE IS HEREBY GIVEN THAT *CalPortland Company*, located within the Mojave Desert Air Quality Management District (MDAQMD) at 19409 National Trails Hwy, Oro Grande, has applied for Renewal of their Federal Operating Permit (FOP) pursuant to the provisions of MDAQMD Regulations XII. The applicant is a company engaged in Cement Manufacturing. CalPortland - Oro Grande operates under FOP Number 223900003.

REQUEST FOR COMMENTS: Interested persons are invited to submit written comments and/or other documents regarding the terms and conditions of the proposed Federal Operating Permit. If you submit written comments, you may also request a public hearing on the proposed Renewal of the FOP. To be considered, comments, documents and requests for public hearing must be submitted no later than 5:00 P.M. on December 28, 2020 (or 30 days after this publication date, whichever is later) to the MDAQMD, Attention: Chris Anderson at the address listed below.

PETITION FOR REVIEW: Federal Operating Permits are also subject to review and approval by the United States Environmental Protection Agency (USEPA). If the USEPA finds no objection to the proposed permit renewal, the final permit will be issued. In the event of public objection to the issuance of a specific permit, a Title V petition may be submitted to the USEPA Administrator electronically through the Central Data Exchange at: https://cdx.epa.gov/ or in writing to USEPA at 1200 Pennsylvania Ave, N.W., Washington, D.C. 20460. In order to file a Title V petition, issues must be raised with reasonable specificity during the public comment period, and filed within 60 days of the close of the USEPA review period.

AVAILABILITY OF DOCUMENTS: The proposed Federal Operating Permit, as well as the application and other supporting documentation are available for review at the MDAQMD offices, 14306 Park Avenue, Victorville, CA 92392. In addition, these documents are available on the MDAQMD website and can be viewed at following link: https://www.mdaqmd.ca.gov/permitting/public-notices-advisories/public-notices-permitting-regulated-industry. Please contact Chris Anderson, Air Quality Engineer, at the above address or (760) 245-1661, extension 1846 or at canderson@mdaqmd.ca.gov for additional questions pertaining to this action and/or corresponding documents.

*Traducción en español esta disponible por solicitud. Por favor llame: (760) 245-1661

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APPENDIX B
CAM Applicability and CAM Plan

The following pollutant specific emission unit(s) (PSEU) are subject to the Compliance Assurance Monitoring (CAM) Rule in 40 CFR 64.

Table 1. Emission Units Subject to 40 CFR 64, Compliance Assurance Monitoring Rule

Equipment ID	Equipment Permit ID	Control Device ID	Permit #	Pollutant
441AC101	B007435	511BF102	C007413	PM
511DM101	T007453	511BF102	C007413	PM
511BC101 511BE101	B007457	511BF106 511BF107 511BF105	C007414 C007448 C007416	PM
511AC103 511AC101 511WF101	B007457	511BF105 511BF106 511BF101	C007416 C007414 C007415	PM
551BC101 551BE101	B012999	511BF051 551BF102	C001708 C013002	PM

40 CFR 64 CAM Plan

Pursuant to 40 CFR §64.4(a) CalPortland will comply with the performance criteria listed in the table below for the PM emissions from the PSEUs listed in Table 1.

POLLUTANT: PM	**INDICATOR:** Visible Emissions Check/Stack Observations
GENERAL CRITERIA	
Monitoring approach used to measure the indicator:	Visible emissions check when the PSEU is in operation at the baghouse exhaust will be performed using EPA Method 22 and EPA Method 9 when visible emissions are detected (to establish compliance with opacity regulations). The duration of each M22 visible emissions check shall consist of a minimum 10-minute visible emissions check of each affected source in accordance with Method 22
Appropriate indicator range or the procedure for establishing the indicator range which provides a reasonable assurance of compliance:	Indicator is any visible emissions. An excursion is defined as the presence of visible emissions. An excursion triggers an inspection, corrective action, and recordkeeping. The Quality Improvement Plan (QIP) threshold is 30% of visual emissions check where visual emissions are identified during a 6-month period.
PERFORMANCE CRITERIA	
Specifications for obtaining representative data:	Measurements are made at baghouse exhaust by trained observers.
Verification procedures to confirm the operational status of the monitoring data:	No monitoring equipment involved. Verification is by ongoing training of VE observers.
QA/QC Practices	Method 22 observers must be certified as a qualified observer.
Monitoring frequency:	Daily, when baghouse is in operation
Data collection procedures:	Visible emissions observation is documented by the observer.
Data averaging period:	As necessary, each Method 9 observation shall represent the average opacity of emissions for a 15 second interval and averaged over 24 consecutive readings.

Pursuant to 40 CFR §64.4(b), the following justification has been provided for the proposed monitoring elements:

INDICATORS AND THE MONITORING APPROACH:

- Visible emissions: Opacity was selected as the performance indicator because it is indicative of operation of the baghouse in a manner necessary to comply with the particulate emission standard. When the baghouse is operating properly, there should be no visible emissions from the exhaust. Any increase above that level opacity indicates reduced performance of a particulate control device (even though that device may still be below its mass emission rate limit); therefore, this modified method for observing visible emissions is a suitable performance indicator.

RATIONALE AND JUSTIFICATION:

- When an opacity excursion occurs, corrective action will be initiated beginning with an evaluation of the occurrence to determine the action required to correct the situation. All excursions will be documented and all exceedances of the QIP threshold will be reported in accordance with the Title V permit requirements.

Pursuant to 40 CFR §64.7(a), CalPortland shall conduct the monitoring required under this plan upon issuance of the FOP for the PSEUs listed in Table 1.

Pursuant to 40 CFR §64.7(b), CalPortland shall maintain the monitoring required under this part at all times.

Pursuant to 40 CFR §64.7(c), CalPortland will conduct monitoring at the required intervals at all times that the PSEUs are operating.

Table 1. Baghouses Considered Inherent Process Equipment

Process Group	Description	Control Device #
321	Raw Grinding System	321BF101
		321BF102
		321BF103
		321BF104
341	Kiln Feed Storage System	341BF101
		341BF102
		341BF103
		341BF104
351	Kiln Feed System	351BF101
		351BF102
		351BF510
411	Hydrated Lime, Activated Carbon, And Shuttling System	411BF201
		411BF301
		341BF301
331, 421, 431, and 441	Preheater, Kiln & Cooler System	331BF101 441BF101 441BF550
461	Coal & Coke Grinding System	461BF610
		461BF400

Table 1. Baghouses Considered Inherent Process Equipment

Process Group	Description	Control Device #
531	Finish Mill System	531BF102
		531BF103
		531BF104
		531BF300
		531BF200
470 & 550	Finish Mill No. 2 Additive Conveying & Storage And Feed Bins	551BF103
		551BF104
		571BF101
		571BF102
		571BF200
		571BF300
611	Cement Storage	611BF050
		611BF060
		611BF070
		611BF015
		611BF016
		611BF017
		611BF209
		611BF600
		611BF610
		611BF040
		611BF041
		Cement Storage Dome Baghouse #1
		Cement Storage Dome Baghouse #2
		Cement Silo #27 Baghouse #1
		Cement Silo #28 Baghouse #3
		Cement Silo #29 Baghouse #5
		Cement Silo #30 Baghouse #7

Table 1. Baghouses Considered Inherent Process Equipment

Process Group	Description	Control Device #
621	Cement Loadout System	621BF245
		621BF270
		621BF345
		621BF370
		611BF001
		611BF002
		621BF208
		621BF003
		621BF007
		621BF008
		621BF009
		621BF010
		621BF145
		621BF170
		621BF171
		621BF470
		621BF471
		611BF202
		613BF301
		613BF302
		661BF726
		661BF751
		661BF761
		661BF851
		661BF861
		Cement Truck Loadout Station 10 West Baghouse 2
		Cement Truck Loadout Station 10 West Baghouse 4
		Cement Truck Loadout Station 9 East Baghouse 6
		Cement Truck Loadout Station 9 East Baghouse 8

Table 2. CAM Uncontrolled Drop Emission Calculations

Process Group	Rationale on Emission Unit Grouping	Equipment ID	Permit ID	Control Device	Control Device Permit ID	Number of Drops[1,2]	Material[2]	Moisture Content[2]	Throughput[3]	Uncontrolled PM_{10} Emission Factor[4,5]	Uncontrolled PM_{10} Emissions[6]	Process Group Emissions	Subject to CAM?
								(w/w%)	(tpy)	(lb/ton)	(tpy)	(tpy)	(yes/no)
110	Primary Crushing System	110AF101	B000137	110BF101	C000138	1	Limestone	1.6	3,630,000	2.68E-03	4.87	46.19	No
		110BC102	B000137	121BF101	C000140	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		110VS101	B000137	121BF101	C000140	-	-	-	3,630,000	8.70E-03	15.79		
		110BC103	B000137	121BF102	C001713	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		110VS102	B000137	121BF102	C001713	-	-	-	3,630,000	8.70E-03	15.79		
121	Secondary Crushing System	121BC101	B000137	121BF101	C000140	1	Limestone	1.6	3,630,000	2.68E-03	4.87	28.19	No
		121BC103	B000137	121BF101 121BF102 121BF103	C000140 C001713 C001714	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		121CR101	B000137	121BF101	C000140	-	-	-	3,630,000	2.40E-03	4.36		
		121BC102	B000137	121BF102	C001713	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		121CR102	B000137	121BF102	C001713	-	-	-	3,630,000	2.40E-03	4.36		
		121BC104	B000137	121BF103 131BF101	C001714 C007421	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
131	Limestone Handling	131BC101	B007426	131BF101	C007421	1	Limestone	1.6	3,630,000	2.68E-03	4.87	19.48	No
		131BC102	B007426	131BF101 311BF101	C007421 C007429	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		131DM101	B007426	131BF102	C007422	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		131BC104	B007426	311BF110	C007425	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
132	Clay, Iron Ore, Bauxite Handling	132AF101	B007426	132BF101	C007423	1	Clay, Iron Ore & Bauxite	4.8	399,300	5.80E-04	0.12	0.23	No
		132BC101	B007426	132BF101 311BF111	C007423 C007430	1	Clay, Iron Ore & Bauxite	4.8	399,300	5.80E-04	0.12		
231	This group of emission units could be further separated based on fuel type. However, there is no need based on uncontrolled PTE from this process group.	231BC110	B007477	231BF140	C007478	1	Coal	6.9	330,000	3.47E-04	0.06	6.87	No
		231BC120	B007477	231BF140 231BF160	C007478 C007479	1	Coal	6.9	330,000	3.47E-04	0.06		
		231BC150	B007477	231BF160	C007479	1	Coal	6.9	330,000	3.47E-04	0.06		
		231BC160	B007477	231BF180	C007424	1	Coal, Slag	0.9	330,000	5.82E-03	0.96		
		231BC170	B007477	231BF180 461BF030	C007424 C010335	1	Coal, Slag	0.9	330,000	5.82E-03	0.96		
		231BC180	B007477	461BF030	C010335	1	Slag	0.9	37,620	5.82E-03	0.11		
		231BI010	T007508	461BF030	C010335	1	Coal	6.9	330,000	3.47E-04	0.06		
		231BC300	B013684	231BF301	C013675	1	Coke	1.6	438,000	2.68E-03	0.59		
		231BC301	B013684	231BF302	C013676	1	Coke	1.6	438,000	2.68E-03	0.59		
		231BI300	B013684	461BF301	C013677	1	Coke	1.6	438,000	2.68E-03	0.59		
		461WF300	B013684	461BF301	C013677	1	Coke	1.6	438,000	2.68E-03	0.59		
		Alternate fuels storage building	B013684	Alternate Fuels Baghouse #1	C013678	2	Biosolids	5.6	1,013,182	6.50E-04	0.66		
		Incline drag conveyor 1	B013684	Alternate Fuels Baghouse #2	C013679	1	Biosolids	5.6	1,013,182	6.50E-04	0.33		
		Incline drag conveyor 2	B013684	Alternate Fuels Baghouse #3	C013680	1	Biosolids	5.6	1,013,182	6.50E-04	0.33		
		Load cell hopper	B013684	Alternate Fuels Baghouse #3	C013680	1	Biosolids	5.6	1,013,182	6.50E-04	0.33		
		Belt scale	B013684	Alternate Fuels Baghouse #4	C013681	1	Biosolids	5.6	1,013,182	6.50E-04	0.33		
		Material transfer conveyor 1	B013684	Alternate Fuels Baghouse #5	C013682	1	Wood	8.0	1,013,182	2.82E-04	0.14		
		Material transfer conveyor 2	B013684	Alternate Fuels Baghouse #5	C013682	1	Wood	8.0	1,013,182	2.82E-04	0.14		

Table 2. CAM Uncontrolled Drop Emission Calculations

Process Group	Rationale on Emission Unit Grouping	Equipment ID	Permit ID	Control Device	Control Device Permit ID	Number of Drops[1,2]	Material[2]	Moisture Content[2]	Throughput[3]	Uncontrolled PM_{10} Emission Factor[4,5]	Uncontrolled PM_{10} Emissions[6]	Process Group Emissions	Subject to CAM?
								(w/w%)	(tpy)	(lb/ton)	(tpy)	(tpy)	(yes/no)
311	Raw Mill Material Handling	311AC101	B007427	311BF110	C007425	1	Limestone	1.6	3,630,000	2.68E-03	4.87	17.28	No
		311BC101	B007427	311BF110 311BF101 311BF111 311BF103	C007425 C007429 C007430 C007443	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		311AC102	B007427	311BF101	C007429	1	Limestone	1.6	1,576,800	2.68E-03	2.12		
		311WF103	B007427	311BF111	C007430	1	Bauxite	8.6	65,340	2.54E-04	0.01		
		311AC104	B007427	311BF111	C007430	1	Bauxite	8.6	65,340	2.54E-04	0.01		
		311BC102	B007427	311BF103	C007443	1	Raw Meal	1.6	4,029,300	2.68E-03	5.41		
	This group of emission units could be further separated based on individual storage bin. However, there is no need based on uncontrolled PTE from this permit unit.	311BI101	T007449	311BF110	C007425	1	Limestone	1.6	3,630,000	2.68E-03	4.87	9.86	No
		311BI102	T007449	311BF101	C007429	1	Limestone	1.6	3,630,000	2.68E-03	4.87		
		311BI103	T007449	311BF111	C007430	1	Iron Ore	4.8	399,300	5.80E-04	0.12		
		311BI104	T007449	311BF111	C007430	1	Bauxite	8.6	65,340	2.54E-04	0.01		
441	Clinker Handling	441AC101	B007435	511BF102	C007413	1	Clinker	0.2	2,200,000	1.30E-01	142.60	142.60	Yes
461	Coal Handling	461WF090	B007481	461BF030	C010335	1	Coal	6.9	330,000	3.47E-04	0.06	0.06	No
471	Clinker Handling	471AC101	B007457	511BF102 511BF103	C007413 C007417	1	Clinker	0.2	550,000	1.30E-01	35.65	57.04	No
		471AC102	B007457	511BF103 511BF104	C007417 C007419	1	Clinker	0.2	330,000	1.30E-01	21.39		
	Gypsum and Limestone Handling	471AF201	B007496	471BF201	C007418	1	Gypsum, Limestone & Clinker Blend	1.6	2,628,000	7.05E-03	9.27	27.80	No
		471BC201	B007496	471BF201 471BF202	C007418 C007497	1	Gypsum, Limestone & Clinker Blend	1.6	2,628,000	7.05E-03	9.27		
		471BE201	B007496	471BF202	C007497	1	Gypsum, Limestone & Clinker Blend	1.6	2,628,000	7.05E-03	9.27		
472	Gypsum and Limestone Handling	472BC102	B012999	472BF101 551BF103	C013000 C013003	1	Gypsum, Limestone & Clinker Blend	1.6	525,600	7.05E-03	1.85	3.71	No
		472BC103	B012999	551BF104	C013004	1	Gypsum, Limestone & Clinker Blend	1.6	525,600	7.05E-03	1.85		
511	Clinker Storage	511BI807	T004598	511BF061	C004599	1	Clinker	0.2	11,000	1.30E-01	0.71	0.71	No
	Clinker Handling	511BC19	B000197	511BF105 511BF106 511BF051	C007416 C007414 C001708	1	Clinker	0.2	1,100,000	1.30E-01	71.30	72.72	No
		511BC25	B000197	511BF051 511BF054	C001708 C000198	1	Clinker	0.2	11,000	1.30E-01	0.71		
		511BC30	B000197	511BF054 511BF061	C000198 C004599	1	Clinker	0.2	11,000	1.30E-01	0.71		
	Clinker Storage	511DM101	T007453	511BF102	C007413	1	Clinker	0.2	1,870,000	1.30E-01	121.21	121.21	Yes
	Clinker Storage	511DM102	T007453	511BF104	C007419	1	Clinker	0.2	330,000	1.30E-01	21.39	21.39	No
	Clinker Storage	511BI101	T007453	511BF103	C007417	1	Clinker	0.2	220,000	1.30E-01	14.26	14.26	No
	Clinker Handling	511BC101	B007457	511BF106 511BF107	C007414 C007448	1	Clinker	0.2	1,100,000	1.30E-01	71.30	142.60	Yes
		511BE101	B007457	511BF105	C007416	1	Clinker	0.2	1,100,000	1.30E-01	71.30		
	Clinker Storage	511BI102	T007461	511BF107	C007488	1	Clinker	0.2	1,100,000	1.30E-01	71.30	71.30	No
	Clinker Storage	511BI105	T007461	511BF108	C012149	1	Clinker	0.2	43,800	1.30E-01	2.84	2.84	No
	Limestone Storage	511BI104	T007461	471BF202	C007497	1	Limestone	1.6	175,200	7.05E-03	0.62	0.62	No
	Gypsum Storage	511BI103	T007461	471BF202	C007497	1	Gypsum	2.1	192,720	4.76E-03	0.46	0.46	No
	Clinker Handling	511AC103	B007457	511BF105	C007416	1	Clinker	0.2	330,000	1.30E-01	21.39	156.86	Yes
		511AC101	B007457	511BF106 511BF101	C007414 C007415	1	Clinker	0.2	1,870,000	1.30E-01	121.21		
		511WF101	B007457	511BF101	C007415	1	Clinker	0.2	220,000	1.30E-01	14.26		
	Clinker Loading to Truck	511NG109	B007457	511BF101	C007415	1	Clinker	0.2	220,000	1.30E-01	14.26	28.52	No
		511LS101	B007457	511BF101	C007415	1	Clinker	0.2	220,000	1.30E-01	14.26		

Table 2. CAM Uncontrolled Drop Emission Calculations

Process Group	Rationale on Emission Unit Grouping	Equipment ID	Permit ID	Control Device	Control Device Permit ID	Number of Drops[1,2]	Material[2]	Moisture Content[2] (w/w%)	Throughput[3] (tpy)	Uncontrolled PM_{10} Emission Factor[4,5] (lb/ton)	Uncontrolled PM_{10} Emissions[6] (tpy)	Process Group Emissions (tpy)	Subject to CAM? (yes/no)
521	Limestone Handling from Dedicated Storage Bin	521WF103	B007486	521BF101	C007140	1	Limestone	1.6	175,200	7.05E-03	0.62	0.62	No
	Gypsum Handling from Dedicated Storage Bin	521WF102	B007486	521BF101	C007140	1	Gypsum	2.1	192,720	4.76E-03	0.46	0.46	No
	Clinker Handling from Dedicated Storage Bin	521WF101	B007486	521BF101	C007140	1	Clinker	0.2	1,100,000	1.30E-01	71.30	71.30	No
	Clinker Handling from Dedicated Storage Bin	521WF104	B007486	521BF101	C007140	1	Clinker	0.2	43,800	1.30E-01	2.84	2.84	No
	Finish Mill Feed Handling	521BC101	B007486	521BF101	C007140	1	Finish Mill Feed	0.2	1,511,720	1.30E-01	97.98	97.98	No
551	Clinker Handling	551BC101	B012999	511BF051 551BF102	C001708 C013002	1	Clinker	0.2	1,100,000	1.30E-01	71.30	142.60	Yes
		551BE101	B012999	551BF102	C013002	1	Clinker	0.2	1,100,000	1.30E-01	71.30		
	Clinker Storage	551BI101	T007433	551BF101	C013001	1	Clinker	0.2	550,000	1.30E-01	35.65	35.65	No
	Clinker Storage	551BI102	T007433	551BF102	C013002	1	Clinker	0.2	550,000	1.30E-01	35.65	35.65	No
	Limestone Storage	551BI103	T007433	551BF103	C013003	1	Limestone	1.6	394,200	7.05E-03	1.39	1.39	No
	Clinker Storage	551BI104	T007433	551BF104	C013004	1	Gypsum	2.1	131,400	4.76E-03	0.31	0.31	No
	Additive Storage	551BI105	T007433	551BF105	C013959 C013960	1	Additive	1.6	394,200	2.68E-03	0.53	0.53	No
561	Clinker Handling from Dedicated Storage Bin	561WF101	T007433	551BF101	C013001	1	Clinker	0.2	550,000	1.30E-01	35.65	35.65	No
	Clinker Handling from Dedicated Storage Bin	561WF102	T007433	551BF102	C013002	1	Clinker	0.2	550,000	1.30E-01	35.65	35.65	No
	Limestone Handling from Dedicated Storage Bin	561WF103	T007433	551BF103	C013003	1	Limestone	1.6	394,200	7.05E-03	1.39	1.39	No
	Gypsum Handling from Dedicated Storage Bin	561WF104	T007433	551BF104	C013004	1	Gypsum	2.1	131,400	4.76E-03	0.31	0.31	No
	Additive Handling from Dedicated Storage Bin	551WF105	T007433	551BF106	C013960	1	Additive	1.6	394,200	7.05E-03	1.39	1.39	No
	Finish Mill Feed Handling	561BC101	B012999	551BF101 551BF102	C013001 C013002	1	Finish Mill Feed	0.2	1,100,000	1.30E-01	71.30	71.30	No

1. Number of associated drops per Facility process flow diagrams.

2. Material controlled by each baghouse and associated material moisture content per Facility CEIR, permits, and process flow diagrams.

3. Throughput based on conservative estimates from process flow diagrams and engineering estimates, based on the facility producing a maximum of 2.2 million tons clinker.

4. Throughput (tpy) = Throughput (ton/hr) x 8,760 (hrs/yr)

4. With the exception of the crushers and screeners, uncontrolled Emission Factor (lb/ton) = Particle Size Multiplier x 0.0032 x (Mean Wind Speed (mph)/5)$^{1.3}$ / (Material Moisture Content (%)/2)$^{1.4}$ per AP-42 Chapter 13.2.4, Equation 1.
Mean Wind Speed 7.7 mph

Particulate Size Multipliers:

Material	PM_{10}	Reference
General	0.35	AP-42 Chapter 13.2.4
Coke	0.35	Nevada Division of Environmental Protection, Bureau of Air Pollution Control, Guidance on Emission Factors for the Mining Indu
Cement	0.92	Yang, Wenli. PM Size and Chemical Speciation Profile for Concrete Batching - PM3431. Air Resources Board. October 22, 2013
Finish Mill Feed	0.92	Assumed equal to cement
Clinker	0.92	Assumed equal to cement
Biosolids	0.49	California Air Resources Board speciation profile 421, for SCC 50400301, Open Refuse Stockpile

5. Per Table 11.19.2-2 of AP-42, uncontrolled emission factors for secondary crushing and screening.

6. Uncontrolled Emissions (tpy) = Uncontrolled Emission Factor (lb/ton) x Throughput (tons/yr) / 2,000 (lb/ton)

Table D-6. Material Water and Silt Content Information[1]

Material	% Water	Reference
Bauxite	8.63	Tested in 2018
Alluvium		
ACA Clay New	10	AP-42, Table 13.2.4-1
ACA Clay	10	AP-42, Table 13.2.4-1
Clay	10	AP-42, Table 13.2.4-1
Clay - White Ione	10	AP-42, Table 13.2.4-1
Clinker	0.2	2014 CEIR
CKD	0.2	same as clinker
Coal	6.9	AP-42, Table 13.2.4-1
Coal/Slag	1.6	Same as limestone
Coke	1.6	Same as limestone
Gypsum	2.12	Tested in 2018
Iron Ore	4.78	Tested in 2018
Aluminum Filter Cake	0.5	MDAQMD Default factor
Limestone	1.6	2014 CEIR
Mill Scale	0.92	Same as slag
Primary Crusher Baghouse Dust	1.6	Same as limestone
Quarry Overburden	0.5	MDAQMD Default factor
Gypsum, Limestone & Clinker Blend	1.6	Same as limestone
Cement	0.2	Same as clinker
Slag	0.92	AP-42, Table 13.2.4-1
ASB Bauxite Clay Blend	10	AP-42, Table 13.2.4-1
Raw Meal	1.6	Same as Limestone
Quartzite	1.6	Same as Limestone
Gasoline	0	
Diesel	0	
Waste Rock	1.6	Same as Limestone
Lime	10	2008 CEIR Appendix
Carbon	10	2008 CEIR Appendix
Gasoline Veh	0	Assumed 0 for VOC
Cement+Flyash(7:1 ratio)	0.2	Same as clinker
Mill Scale	0.92	Same as Slag
Mill Scale Iron Ore Blend	0.92	Same as Mill Scale
Flyash	0.2	Same as clinker
Clay - Gray	10	AP-42, Table 13.2.4-1
Clay - Acton White	10	AP-42, Table 13.2.4-1
Laterite	18.2	Online Reference

Table D-6. Material Water and Silt Content Information[1]

Material	% Water	Reference
Brick	1.6	Assume Same as Waste Rock
Coal, Slag	0.92	Minimum between Coal, Slag, Coal/Slag and Clinker
Iron Ore & Clay	4.78	Minimum between Iron Ore and Clay
Clay, Iron Ore & Bauxite	4.78	Minimum among Clay, Iron Ore, Bauxite
Additive	1.6	Same as limestone
Clinker Storage Baghouse Dust	0.2	Assumed equivalent to clinker
Finish Mill Feed	0.2	Assumed equivalent to clinker
Wood	8.0	Alternate Fuels Application
Biosolids	5.6	Alternate Fuels Application

1. Material properties per Facility CEIR.

APPENDIX C
Title V Renewal Application

CALPORTLAND®

September 11, 2020

Brad Poiriez
Executive Director
Mojave Desert Air Quality Management District
14306 Park Ave
Victorville, CA 92392

RE: *CalPortland Company, Inc. – Oro Grande, CA*
Federal Operating Permit Renewal Application
Federal Operating Permit Number: 223900003

Dear Mr. Poiriez:

Enclosed please find the Federal Operating Permit (FOP) Renewal Application for the CalPortland Company, Inc. (CalPortland) Facility located in Oro Grande, California. The Application includes a report detailing the proposed changes to the FOP, all required MDAQMD forms, and all supplemental information required for a complete Renewal Application.

CalPortland respectfully requests that MDAMQD issue the renewed FOP as soon as possible. CalPortland is able and willing to provide MDAQMD with any necessary assistance to ensure that the FOP is renewed expeditiously.

If you have any questions, please do not hesitate to contact me at (626) 691-1966.

Sincerely,

Desirea Haggard
Director of Environmental Affairs – Cement Division
CalPortland Company

cc: Melissa Hillman, Trinity Consultants
Jeremias Szust, Trinity Consultants

Enclosure

FEDERAL OPERATING PERMIT RENEWAL APPLICATION

Mojave Desert Air Quality Management District

CalPortland Company, Inc. / Oro Grande, CA

Prepared By:

Julia Ryan – Consultant
Jeremias Szust – Senior Consultant
Melissa Hillman – Principal Consultant

TRINITY CONSULTANTS
7919 Folsom Blvd.
Sacramento, CA 95826
(916) 444-6666

September 2020

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1. EXECUTIVE SUMMARY

CalPortland Company (CalPortland) operates a portland cement manufacturing facility in Oro Grande, California (the Facility). The Facility is located within the jurisdiction of the Mojave Desert Air Quality Management District (MDAQMD) and operates pursuant to Federal Operating Permit (FOP) Number 223900003.

This Application and associated appendices contain all the required information for a complete Renewal Application, as listed in MDAQMD Rule 1202(D)(1). Along with this Application report, CalPortland is submitting the following supplemental information:

Appendix A: MDAQMD Forms
Appendix B: 2019 Comprehensive Emissions Inventory Report (CEIR)
Appendix C: 2019 Annual Compliance Certification
Appendix D: Detailed Compliance Assurance Monitoring Applicability Analysis
Appendix E: Cal e-GGRT Summary Report

CalPortland respectfully requests that MDAMQD issue the renewed FOP as soon as possible. CalPortland is able and willing to provide MDAQMD with any necessary assistance to ensure that the FOP is renewed expeditiously.

2. FOP RENEWAL APPLICATION REQUIREMENTS

MDAQMD Regulation XII, Rule 1202(B)(1) requires that the applicant submit a FOP renewal using MDAQMD's official application form. The requirements of a complete application are listed in MDAQMD Rule 1202(D). The regulatory text from MDAQMD Rule 1202(D) is included below in ***italic, bold*** text. CalPortland's response for each regulatory requirement is included in plain text. Much of the required information is provided in the supplemental information contained in the appendices to this Application report.

(1) An application is incomplete when it does not contain enough information to enable the permit to be processed by the District. To be determined complete an application must contain:

a. Identifying information as required on the official application form designated by the APCO.

Please refer to the MDAQMD Permit Application forms in Appendix A for all identifying information.

b. A description of the Facility's processes and/or products by Standard Industrial Classification Code. A separate description is required for each alternate operating scenario proposed by the applicant.

Please refer to the MDAQMD Permit Application forms in Appendix A for the source SIC code. CalPortland does not request any alternative operating scenarios to be identified in the renewed FOP.

c. Information sufficient to evaluate the emissions of the Facility, including but not limited to:

Please refer to Appendix B for CalPortland's 2019 Comprehensive Emission Inventory Report (CEIR) as a demonstration of the actual emissions summary of permitted emissions units. The CEIR emissions calculations and transaction file are included as part of Appendix B.

i. The amount and type of emissions which render the Facility a Major Facility as defined in District Rule 1201 and the amount and type of emissions for any other Regulated Air Pollutant.

Please refer to Appendix B for CalPortland's 2019 CEIR as a demonstration of the actual emissions summary of permitted emissions units. The Facility is an existing "major source" under the Prevention of Significant Deterioration (PSD), Non-Attainment New Source Review (NA-NSR), and Title V Operating Permit programs. The Facility is also a hazardous air pollutants (HAPs) major source (with emissions for a single HAP greater than 10 tpy, or emissions from all HAPs greater than 25 tpy).

ii. The amount and type of emissions, in tons per year and in such terms as are necessary to establish compliance with an applicable standard reference test method of any Regulated Air Pollutant.

Please refer to Appendix B for CalPortland's 2019 CEIR as a demonstration of the actual emissions summary of permitted emissions units; the CEIR provides the information necessary to establish compliance with applicable requirements.

iii. Identification and description of all Permit Units and other points of emission within the Facility.

Please refer to Appendix B and the current FOP which identify and describe all permit units and points of emissions from within the Facility.

iv. Identification and description of all air pollution control equipment and monitoring devices within the Facility.

Please refer to Appendix B and the current FOP which identify and describe all air pollution control equipment and monitoring devices within the Facility.

v. Information regarding fuels, fuel use, raw materials, process weight, production rates and operating schedules to the extent such information is used to determine or regulate emissions.

Please refer to the current FOP which includes this information.

vi. Any limitations on Facility operations, or common practices within the facility which affect the emissions of Air Pollutants.

Please refer to the current FOP which includes this information.

vii. Any other information specifically required by an Applicable Requirement.

All relevant information required by an applicable requirement is included in this application report and associated appendices as well as the current FOP. Should MDAQMD need additional information to issue a renewed FOP, CalPortland will provide the data to MDAQMD in an expeditious manner.

viii. Any calculations upon which the above information is based.

Please refer to Appendix B for CalPortland's 2019 CEIR which contains all relevant calculations.

ix. Fugitive emissions shall be included in the application in the same manner as any other emissions.

Please refer to Appendix B for CalPortland's 2019 CEIR which includes fugitive emission calculations.

d. Information regarding Applicable Requirements including but not limited to:

i. Citation and description of all Applicable Requirements including a description or reference to test methods used to determine compliance.

Please refer to Sections 3 and 4 of this Report and the current FOP which contain all applicable requirements, including citations, descriptions, and relevant test methods. Appendix A contains MDAQMD Form 1202E2-C, which includes the compliance status of each emission unit and control device at the Facility with respect to all applicable requirements. Additionally, the 2019 Annual Compliance Certification submitted to MDAQMD is provided in Appendix C.

ii. Any other specific information necessary to implement and enforce other Applicable Requirements or to determine if a requirement is an Applicable Requirement.

Please refer to Section 4 of this Report and the current FOP which contain all other information required to determine if a requirement applies to the Facility and to implement and enforce applicable requirements.

iii. An explanation of any proposed exemptions from Applicable Requirements.

CalPortland does not propose any additional exemptions from applicable requirements, except those regulatory exemptions that have previously been approved by MDAQMD.

e. Any additional information determined to be necessary to define alternative operating scenarios or to define permit terms and conditions necessary to implement operational flexibility under District Rule 1203(E).

CalPortland does not propose any additional alternative operating scenarios to be identified in the renewed FOP than what is in the current FOP.

f. A Compliance Plan and a Certification of Compliance.

Please refer to Appendix A for MDAQMD's Non-Compliance Operations/Deviations Report and Part 70 Compliance Schedule/Plan and Quality Improvement Plan – QIP Forms for each permitted emission unit at the Facility (Form 1202E2-C). These forms identify all applicable requirements as listed in the current FOP for the Facility as well as the expected compliance status of the respective requirement at the time MDAQMD issues the renewed permit. Additionally, the 2019 Annual Compliance Certification submitted to MDAQMD is provided in Appendix C.

g. A list of all activities claimed to be insignificant pursuant to District Rule 219.

Please refer to Appendix A for MDAQMD's List of Exempt equipment form (Form 1202E2-D).

3. REGULATORY REQUIREMENT UPDATES

The Facility is subject to various federal and local air quality regulations. This section summarizes the applicable air quality regulations that have been updated since January 8, 2016, when the last FOP was issued. Note that applicability to certain general provisions is not detailed in this narrative. All changes to permit conditions in the existing FOP as a result of regulatory updates are identified in Section 4 of this report.

3.1 Federal Regulations

As described in the current FOP, CalPortland is subject to the following Federal Regulations: 40 CFR Part 60 Subpart F, 40 CFR Part 60 Subpart Y, 40 CFR Part 60 Subpart OOO, 40 CFR Part 60 Subpart IIII, 40 CFR Part 61 Subpart M, and 40 CFR Part 63 Subpart LLL. Since the issuance of the current FOP on January 8, 2016, Part 60 Subpart IIII and Part 63 Subpart LLL have been updated. **Error! Reference source not found.** summarizes the revisions to 40 CFR Part 60, Subpart IIII and Table 2 summarizes the revisions to 40 CFR Part 63, Subpart LLL.

Table 1. 40 CFR Part 60 Subpart IIII Revisions

Rule History	Revision Date	Rule Changes
Final Rule	7/7/2016	The final rule allows manufacturers to design stationary compression ignition (CI) internal combustion engines so that the operators can temporarily override performance inducements related to the emission control system. The amendments apply to engines operating during emergency situations where the operation of the engine or equipment is needed to protect human life, and to require compliance with Tier 1 emission standards during such emergencies. Additionally, this final rule amended the standards of performance for CI internal combustion engines located in remote areas of Alaska.
Final Rule	11/13/2019	The final rule revised the emission standards for particulate matter (PM) for new stationary CI engines located in remote areas of Alaska.

No revisions made to 40 CFR Part 60 Subpart IIII since the issuance of the current FOP resulted in new emission limits or requirements. As such, no changes need to be made to the operating conditions or emission limits contained in the current FOP.

Table 2. 40 CFR Part 63 Subpart LLL Revisions

Rule History	Revision Date	Rule Changes
Direct Final Rule	7/25/2016	The final rule provided a period of 1 year of additional compliance alternative for sources that would otherwise be required to use an HCl CEMS to demonstrate compliance with the HCl emission limit. This was due to the current unavailability of calibration gas used for quality assurance purposes. The final rule also restored regulatory text requiring the reporting of clinker production and kiln feed rates that was deleted inadvertently.
Direct Final Rule	6/23/2017	The final rule provided additional compliance alternatives for sources that would otherwise be required to use an HCl CEMS to demonstrate compliance with the HCl emission limit. This was due to the unavailability of calibration gas used for quality assurance purposes.

Good Cause Final Rule	8/22/2017	The good cause final rule removed the provisions which were added in the June 23, 2017 direct final rule and restored the provisions which were deleted in that rule.
Final Risk and Technology Review Rule	7/25/2018	The final risk and technology review rule finalized the residual risk and technology review (RTR) conducted for the Portland Cement Manufacturing Industry source category regulated under national emission standards for hazardous air pollutants (NESHAP). The EPA proposed no changes to 40 CFR part 63, subpart LLL, based on the risk review. These amendments only provided corrections and clarifications to the current rule and did not impose new requirements on the industry

No revisions made to 40 CFR Part 63 Subpart LLL since the issuance of the current FOP resulted in new emission limits or requirements. As such, no changes need to be made to the operating conditions or emission limits contained in the current FOP.

3.2 MDAQMD Regulations

3.2.1 MDAQMD Regulation II - Permits

3.2.1.1 MDAQMD Rule 219 – Equipment Not Requiring a Permit

MDAQMD Rule 219 describes the equipment that does not require a permit under MDAQMD Rules 201 and 203, and equipment which does not need to be listed in a FOP. Rule 219 was last amended on January 28, 2019 to (a) include additional equipment not subject to permit requirements and (b) modify existing equipment exempt from permitting for clarification purposes. Condition II.A.9 of the current FOP addresses District Rule 219 and does not need to be revised as a result of the amendments to the Rule. As such, CalPortland will continue to comply with the requirements of MDAQMD Rue 219.Refer to Appendix A for a list of categories of equipment located at the Facility that are exempt from permitting, per the information provided in the current MDAQMD Rule 219.

3.2.2 MDAQMD Regulation III - Fees

3.2.2.1 MDAQMD Rule 301 – Permit Fees

MDAQMD Rule 301 specifies fees that must be paid as a part of permit activities required pursuant to the provisions of Regulation II and Regulation XIII. Rule 301 was most recently amended on August 24, 2020. Condition II.A.11 of the current FOP requires that CalPortland pay all applicable MDAQMD permit fees pursuant to Rule 301 and does not need to be revised as a result of the amendments to the Rule. As such, CalPortland will continue to comply with the requirements of MDAQMD Rue 301.

3.2.3 MDAQMD Regulation IV - Prohibitions

3.2.3.1 MDAQMD Rule 401 – Visible Emissions

MDAQMD Rule 401 requires that no single source emit any air contaminant with an opacity greater than 20 percent for a period or periods aggregating more than three minutes in any one hour. The rule includes additional opacity requirements for equipment-specific operations. Rule 401 was most recently amended on August 26, 2019 by adding additional equipment specific emission limits. Condition II.A.13 of the current FOP requires that all sources at the Facility operate such that the visible emissions comply with Rule 401. As

described in Section 4, CalPortland is requesting that FOP Condition II.A.13 be updated to reflect the current Rule requirements and will continue to comply with the requirements of MDAQMD Rule 401.

3.2.3.2 MDAQMD Rule 461 – Gasoline Transfer and Dispensing

MDAQMD Rule 461 limits the emissions of Volatile Organic Compounds (VOCs) and toxic compounds from the transfer and dispensing of gasoline. Rule 461 was most recently amended on January 22, 2018 in order to update testing requirements. As described in Section 4, CalPortland is requesting that existing conditions be modified for the gasoline dispensing facility (MDAQMD Permit #N005096) in order to meet the updated requirements in Rule 461. CalPortland will continue to comply with the requirements of Rule 461.

3.2.3.3 MDAQMD Rule 462 – Organic Liquid Loading

MDAQMD Rule 462 limits the emissions of VOCs and toxic compounds from the transfer and load organic liquids into tanks (including motor vehicle fuel tanks, tank trucks, etc.). Rule 462 was most recently amended on January 22, 2018 in order to require certain facilities to install CARB certified/MDAQMD approved vapor recovery systems. As described in Section 4, CalPortland is requesting that new permit conditions be added for the gasoline dispensing facility (MDAQMD Permit #N005096) in order to meet the updated requirements in Rule 462. CalPortland will continue to comply with the requirements of Rule 462.

3.2.3.4 MDAQMD Rule 463 – Storage of Organic Liquid

MDAQMD Rule 463 limits the emissions of VOCs and toxic compounds while storing organic liquids. Rule 463 was most recently amended on January 22, 2018 in order to provide clarification on self-inspection and maintenance requirements. Part III, Section A, Unit 145, C-2, Condition 2 of the current FOP addresses the requirements of Rule 463. As described in Section 4, CalPortland is requesting that new permit conditions be added for the gasoline dispensing facility (MDAQMD Permit #N005096) in order to meet the updated requirements in Rule 463. CalPortland will continue to comply with the requirements of Rule 463.

3.2.4 MDAQMD Regulation V – Procedures Before the Hearing Board

MDAQMD Rule 501, *Procedures Before the Hearing Board,* provides procedures for actions taken before the MDAQMD Hearing Board. Rule 501 was most recently amended on June 10, 2019 to consolidate the requirements of the previous Rules 501 through 518. Condition II.B.7 of the current FOP refers to the requirements of Rule 501 and as detailed in Section 4, CalPortland has requested that the FOP be updated to reflect the revisions to Rule 501.

3.2.5 MDAQMD Regulation IX – Standards of Performance for New Stationary Sources

MDAQMD Rule 900, *New Source Performance Standards (NSPS),* incorporates the provisions of 40 CFR Part 60 (Federal NSPS) by reference. Rule 900 was last amended on February 25, 2019, to incorporate all changes made to the Federal NSPS since the last amendment in 2011. Please refer to Section 3.1 of this report for additional details on NSPS changes since the FOP was issued.

3.2.6 MDAQMD Regulation X – Emission Standards for Additional Specific Air Contaminants

MDAQMD Rule 1000, *National Emission Standards for Hazardous Air Pollutants (NESHAPs),* incorporates the provisions of 40 CFR Part 61 by reference. Rule 1000 was last amended on February 25, 2019, to incorporate all changes made 40 CFR Part 61 since the last amendment in 2011. Please refer to Section 3.1

of this report for additional details on federal regulations that have been updated since the current FOP was issued.

3.2.7 MDAQMD Regulation XI – Source Specific Standards

3.2.7.1 MDAQMD Rule 1104 – Organic Solvent Degreasing Operations

MDAQMD Rule 1104 limits VOC emissions from wipe cleaning and degreasing operations using organic solvents. Rule 1104 was most recently amended on April 23, 2018. Condition II.A.27 of the current FOP requires that the Facility comply with the requirements of Rule 1104. As detailed in Section 4, CalPortland is requesting that Condition II.A.27 be revised to reflect the current requirements provide in Rule 1104. CalPortland will continue to comply with the Rule.

3.2.7.2 MDAQMD Rule 1115 – Metal Parts and Products Coating Operations

MDAQMD Rule 1115 limits the emissions of VOCs from the coating of metal parts and products. Rule 1115 was most recently amended on June 8, 2020 by lowering the allowable VOC content in various coatings when applied to metals parts and products. Condition II.A.30 of the current FOP requires that the Facility comply with the requirements of Rule 1115. As detailed in Section 4, CalPortland is requesting that Condition II.A.30 be revised to reflect the current standards contained in Rule 1115. CalPortland will continue to comply with the Rule.

3.2.7.3 MDAQMD Rule 1161 – Portland Cement Kilns

MDAQMD Rule 1161 limits the emissions of Oxides of Nitrogen (NO_X) resulting from the operation of existing portland cement kilns within the Federal ozone non-attainment area within MDAQMD jurisdiction. Rule 1161 was most recently amended on January 22, 2018 in order to reduce the NOx RACT emission limits. Conditions II.A.32 and III.A.44.4 of the current FOP require that the Facility comply with the requirements of Rule 1161. As detailed in Section 4, CalPortland is requesting that Condition II.A.32 be revised to reflect the current emission limits contained in Rule 1161. CalPortland will continue to comply with the Rule.

3.2.8 MDAQMD Regulation XIII – New Source Review

3.2.8.1 MDAQMD Rule 1300 – General

MDAQMD Rule 1300 outlines MDAQMD's preconstruction New Source Review Requirements for new or modified facilities. Rule 1300 was most recently amended on August 22, 2016 to include reference to District Rule 1600 – Prevention of Significant Deterioration. No revisions are required to the current FOP as a result of this amendment. CalPortland will continue to comply with the requirements of MDAQMD Rule 1300.

4. PROPOSED CHANGES TO FOP

The below sections detail the requested changes to the FOP and are organized following the structure of the current FOP. Requested deletions to the FOP are shown in **bold** text with a ~~strikethrough~~ and additions are included in **bold** text.

4.1 Incorporate Alternate Fuels Application and Addendums

CalPortland submitted an ATC and Title V Significant Permit Modification to MDAQMD in July 2019 and two subsequent addendums to the application in August 2019 and April 2020, respectively. Please refer to the previously submitted application and addendums for requested changes to the FOP. Should any questions arise on the content of these applications, CalPortland is available to provide additional information.

4.2 FOP, Part I – Introductory Information

CalPortland requests that the Facility Identifying Information contained in Part I.A. of the FOP be updated to reflect updated facility contact information. Additionally, "Portland" should be removed from this section.

Facility "Site Contact(s) ~~**Ms. Jessica Gammett**~~
~~**Environmental Manager**~~
~~**(760) 269-1135**~~
~~**jgammett@calportland.com**~~

~~**Mrs.**~~ **Ms.** Desirea Haggard
~~**Environmental Manager**~~ **Director of Environmental Affairs**
~~**(760) 269-1135**~~ **(626) 691-1966**
dhaggard@calportland.com

Nature of Business: ~~**Portland**~~ Cement Manufacturing

CalPortland requests that Part I.B of the FOP be updated to remove "Portland" from the description of facility, as follows:

> The kiln produces ~~**Portland**~~ cement clinker from the raw materials. The clinker is ground with gypsum and other additives to produce ~~**Portland**~~ cement which is distributed from the site via truck and rail.

4.3 FOP, Part II – Facility Wide Applicable Requirements

4.3.1 Part II, Section A, Condition 13

MDAQMD Rule 401 – *Visible Emissions*, was updated on August 16, 2019. CalPortland requests that Condition II.A.13 be revised to reflect the updates to Rule 401 as follows:

13. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does 20% opacity.

4.3.2 Part II, Section A, Condition 27

MDAQMD Rule 1104 – *Organic Solvent Degreasing Operations*, was updated on April 23, 2018. CalPortland requests that Condition II.A.27 be revised to reflect the current standards contained in Rule 1104 Part C.

4.3.3 Part II, Section A, Condition 29

Part II, Section A, Condition 29 of the current FOP incorporates the requirements of MDAQMD Rule 1114 – *Wood Products Coating Operations*. CalPortland does not apply coatings or adhesives to wood products at the Facility and does not plan to in the future. As such, the requirements of Rule 1114 are not applicable and CalPortland requests that Condition 29 be removed from the FOP.

4.3.4 Part II, Section A, Condition 30

MDAQMD Rule 1115 – *Metal Parts & Products Coating Operations*, was updated on June 8, 2020. CalPortland requests that Condition II.A.30 be revised to reflect the current VOC limits contained in Rule 1115 Part C.

4.3.5 Part II, Section A, Condition 31

Condition II.A.31 of the current FOP incorporates the requirements of MDAQMD Rule 1116 – *Automotive Refinishing Operations*. Rule 1116 limits the emissions of VOCs from coatings associated with the refinishing of motor vehicles, mobile equipment and their associated parts and components as well as VOC emissions from solvent cleaning, storage, and disposal associated with such operations. CalPortland does not conduct any automotive refinishing operations at the Facility and does not intend to in the future. As such, CalPortland requests that Condition II.A.31 be removed from the FOP.

4.3.6 Part II, Section A, Condition 32

MDAQMD Rule 1161 – *Portland Cement Kiln*, was updated on January 22, 2018. CalPortland requests that Condition II.A.32 be revised to reflect the current requirements contained in Rule 1161 Part C.

4.3.7 Part II, Section A, Condition 34

Condition II.A.34 of the current FOP states that the facility is subject to 40 CFR Part 98 "Mandatory Reporting of Greenhouse Gases" requirements as established in Subpart A General Provision and Subpart H Cement Production. While the Facility is subject to 40 CFR Part 98, per EPA's *PSD and Title V Permitting Guidance for Greenhouse Gases*, the requirements of the GHG reporting rule are not currently included in the definition of applicable requirements under 40 CFR 70.2 and 71.2. [1] As such, CalPortland requests that Condition II.A.34 be removed from the FOP.

[1] https://www.epa.gov/sites/production/files/2015-07/documents/ghgguid.pdf, Accessed September 9, 2020.

4.3.8 Part II, Section B, Condition 7

Condition II.B.7 of the current FOP outlines the procedures for obtaining a Schedule of Compliance pursuant to MDAQMD Regulation 5. Since the issuance of the current FOP, Regulation 5 has been revised and Rules 502 through 518 have been rescinded. As such, CalPortland requests that Condition II.B.7 be updated as follows.

> 7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a Schedule of Compliance approved by the District Hearing Board pursuant to the requirements of MDAQMD **Rule 501** ~~**Regulation 5 (Rules 501 - 518)**~~. …

4.3.9 Part II, Section B, NEW Condition

> CalPortland requests that MDAQMD move Part IV, Condition 23 to Part II, Section B of the FOP. This organization is consistent with other FOP issued by MDAQMD.

4.3.10 Part II, Section C, Condition 9

Condition II.C.9 of the current FOP requires that CalPortland notify MDAQMD by December 17 of the calendar year of the predicted asbestos renovations for the following year as required by section 61.145(b) of 40 CFR 61, Subpart M. Section 61.145(b)(3)(ii) requires that the notification be submitted at least 10 working days before the end of the calendar year. To be consistent with the requirements of 40 CFR 61, Subpart M, CalPortland requests that Condition II.C.9 be updated as follows:

> 9. Owner/Operator shall notify the APCO/District, on an annual basis, ~~**postmarked by December 17**~~ **at least 10 working days** before the end of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145~~.~~**(**b**)(3)(ii)** of 40 CFR 61, subpart M ~~**[see cite for threshold triggering and applicability]**~~.

4.4 FOP, Part III – Equipment Specific Applicable Requirements

4.4.1 Part III, Section A, Global Change to Baghouse Monitoring Requirement

CalPortland requests that MDAQMD change the frequency of bag and bag suspension system inspection from quarterly to annual for all relevant baghouses; please update relevant permit conditions as follows:

> ~~**Quarterly**~~ **Annual** bag and bag suspension system inspection date and results;

This change has been previously requested by CalPortland and accepted by MDAQMD for a number of baghouse systems at the Facility.

4.4.2 Part III, Section A, Global Change to General Condition

CalPortland requests that MDAMQD update the condition detailed below for all relevant permit units in order to provide additional operational flexibility and to create consistency throughout all permit units in the FOP.

The owner/operator, o/o, shall install, operate, and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier **and/or sound engineering principles which produce the minimum emissions of air contaminants**.

This change has been previously requested by CalPortland and accepted by MDAQMD for a number of permit units listed in the FOP.

4.4.3 Part III, Section A, Process Group 231, Unit 11, Condition 4

Condition 4 for Process Group 231, Unit 11 outlines the Federal requirements with which the baghouses associated with Unit 11 must comply. The regulatory citation for Condition 4 incorrectly refers to 40 CFR Part 63 Subpart Y, *National Emission Standards for Marine Tank Vessel Loading Operations* instead of 40 CFR Part 60 Subpart Y, *Standards of Performance for Coal Preparation and Processing Plants.* To correct this, CalPortland requests that the regulatory citation for Part III.A, Process Group 231, Unit 11, Condition 4 be updated as follows:

As applicable, these baghouses shall be operated in compliance with the requirements of 40 CFR **60** Subpart Y-Standards for of Performance for Coal Preparation Plants. [40 CFR Part 60 subpart F; 40 CFR Part 63 subpart LLL; 40 CFR Part ~~63~~**60** subpart Y; Rule 1303(A)]

4.4.4 Part III, Section A, Process Group 331, 421, 431 and 441, Unit 44, Multiple Conditions

Condition 5 for Unit 44 outlines 40 CFR Part 63, Subpart LLL requirements to install and maintain continuous monitoring on the kiln exhaust for certain pollutants. CalPortland requests that Condition 5 be updated to clarify the pollutant being monitored by the Continuous Parametric Monitoring System (CPMS), as follows:

5. The o/o shall install and maintain a Continuous Emissions System (CEMS) for CO, NO_X, SO_X and VOC (as propane) as well as gaseous O_2 on the kiln exhaust, a Continuous Emission Rate Monitoring System (CERMS) on the kiln exhaust, and a **PM_{10}** Continuous Parametric Monitoring System (CPMS) on the kiln exhaust.

Condition 12 for Unit 44 contains opacity requirements for the kiln and clinker cooler. The opacity requirements for kilns and clinker coolers under 40 CFR Part 63 Subpart LLL were removed as a part of the 2015 revisions to the regulation. As such, the opacity requirements contained in Condition 12 for Unit 44 are no longer applicable and CalPortland requests that this Condition be removed from the FOP.

Finally, CalPortland is requesting that Conditions 8, 9, and 11 be removed as these conditions were necessary when CalPortland was in the process of shutting down the old kiln systems and starting up the current kiln.

4.4.5 Part III, Section A, Process Group 331, 421, 431 and 441, Unit 45, Conditions 3b and 5

Conditions 3b and 5 for Unit 45 contain opacity requirements for Baghouse 331BF101 which serves the in-line kiln/raw mill exhaust. The opacity requirements for kilns under 40 CFR Part 63 Subpart LLL were removed as a part of the 2015 revisions to the Rule. As such, the opacity requirements contained in Conditions 3b and 5 for Unit 45 no longer apply. CalPortland requests that these Conditions be removed from the FOP.

4.4.6 Part III, Section A, Process Group 331, 421, 431 and 441, Unit 47, Conditions 3b and 5

Conditions 3b and 5 for Unit 47 contain opacity requirements for Baghouse 441BF550 which serves the clinker cooler. The opacity requirements for clinker coolers under 40 CFR Part 63 Subpart LLL were removed as a part of the 2015 revisions to the Rule. As such, the opacity requirements contained in Conditions 3b and 5 for Unit 47 no longer apply. CalPortland requests that this Condition be removed from the FOP.

4.4.7 Part III, Section A, Process Group 441, Unit 48, Condition 2

Condition 2 for Process Group 441, Unit 48 specifies that the process equipment cannot be operated unless it is vented to its associated control equipment. There is no control equipment associated with this process and therefore, CalPortland requests that this condition be removed from the FOP.

4.4.8 Part III, Section A, Process Group 511, Unit 64, Condition 6

Condition 6 for Process Group 511, Unit 64 in the current FOP is blank. As such, CalPortland requests that this condition be removed from the FOP.

4.4.9 Part III, Section A, Process Group 531, Unit 75, Condition 4

Condition 4 for Process Group 531, Unit 75 outlines the Federal requirements with which the baghouses associated with Unit 75 must comply. CalPortland requests that the regulatory citation for Part III.A, Process Group 531, Unit 75, Condition 4 be updated to correct a typo which mistakenly leaves out the word "Subpart" as follows:

> [40 CFR Part 60 **subpart** F; 40 CFR Part 63 subpart LLL; Rule 1303(A)]

4.4.10 Part III, Section A, Process Group 621, Unit 138, Equipment Description

The Equipment Description for Process Group 621, Unit 138 incorrectly lists the silo capacities for Cement Silo #25 and Cement Silo #26. This has been corrected in MDAQMD ATC T013016 issued August 12, 2020. CalPortland requests that the Equipment Description for Unit 138 be updated to correct the silo capacities as follows:

Equipment No.	Equipment	Capacity	Capac. Units	HP
661SI725	Cement Silo #25 (South #1), 3000 ST	~~480000~~**477420**	Gal	
661SI726	Cement Silo #26 (North #1), 3000 ST	~~480000~~**477420**	Gal	

4.4.11 Part III, Section A, Miscellaneous Equipment, Unit 145, Multiple Conditions

In the current FOP there are three conditions listed under Part III, Section A, Unit 145 and an additional fifteen conditions which apply to Part III, Section A, Unit 145 which are listed under C-2. CalPortland requests that MDAMQD remove the separation of the conditions listed under C-2 such that all conditions applicable to Unit 45 are listed together, as follows:

> 3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District. [Rule 203]

~~**C-2. CONDITIONS APPLICABLE TO ALL GASOLINE DISPENSING FACILITIES:**~~

~~1.~~4. Owner/Operator shall not sale or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66.

4.4.11.1 Condition 1

Condition 1 of Part III, Section A, Unit 145 is duplicative with Part III, Section A, Unit 145, C-2, Condition 14. As such, CalPortland is requesting that Condition 1 be removed from the FOP.

4.4.11.2 C-2, Conditions 2 through 15

MDAQMD Rule 461 – *Gasoline Transfer and Dispensing* limits the emissions of VOCs and toxic compounds from the transfer and dispensing of gasoline. As described in Section 3 of this Report, Rule 461 has been updated since the issuance of the current FOP. As such, CalPortland is requesting that Conditions 2 through 15 under Part III, Section A, Miscellaneous Equipment, Unit 145, C-2 be updated to reflect the current requirements of Rule 461.

4.4.11.3 NEW Condition (MDAQMD Rule 462)

MDAQMD Rule 462 – *Organic Liquid Loading* limits the emissions of VOCs and toxic compounds from the transfer and load organic liquids into tanks (including motor vehicle fuel tanks, tank trucks, etc.). As described in Section 3 of this Report, Rule 462 has been updated since the issuance of the current FOP. As such, CalPortland is requesting that the applicable Rule 462 requirements be added in a new condition under Part III, Section A, Unit 145.

4.4.11.4 NEW Condition (MDAQMD Rule 463)

MDAQMD Rule 463 – *Storage of Organic Liquid* limits the emissions of VOCs and toxic compounds while storing organic liquids. As described in Section 3 of this Report. Rule 463 has been updated since the issuance of the current FOP. As such, CalPortland is requesting that the applicable Rule 463 requirements be added in a new condition under Part III, Section A, Unit 145.

4.4.12 Part III, Section A, Miscellaneous Equipment, Unit 147

The equipment description under Part III.A.147 is missing the year of manufacture for the diesel-fired internal combustion engine permitted under MDAQMD PTO E009750. As such, CalPortland is requesting that Condition 6 of Unit 146 be updated as follows:

147. DIESEL IC ENGINE, EMERGENCY FIRE PUMP # E009750 consisting of:
Year of **Manufacture: 2006** One John Deere, Diesel fired internal combustion engine, Model No. 6068T and Serial No. E6068H597960, Turbo Charged, producing 240 bhp with 6 cylinders at 2350 rpm while consuming a maximum of 11 gal/hr. This equipment powers a Fire Pump.

4.5 FOP, Part IV – Standard Federal Operating Permit Conditions

4.5.1 Part IV, Section A, Condition 23

Condition IV.A.23 outlines the Title V Renewal Requirements contained in District Rule 1202 – *Applications*. CalPortland requests that Condition IV.A.23 be moved from Part IV of the FOP to Part II.

4.6 FOP, Part V – Operational Flexibility

CalPortland is not requesting any changes to Part V of the FOP.

4.7 FOP, Part VI – Conventions, Abbreviations, Definitions

CalPortland is not requesting any changes to Part VI of the FOP.

4.8 FOP, Appendices

4.8.1 Appendix A

Appendix A of the current FOP details the Federal requirements under 40 CFR 60 Subpart A, 40 CFR 60 Subpart Y, 40 CFR 60 Subpart OOO, 40 CFR 63 Subpart A, and 40 CFR 63 Subpart LLL that apply to the Facility. CalPortland that MDAQMD update Appendix A to reflect the most current requirements of the applicable Federal Regulations.

4.8.2 Appendix B

CalPortland requests that MDAQMD update Appendix B based on the most recent information provided in California's State Implementation Plan.

4.8.3 Appendix C

Please remove Appendix C from the FOP as the extension to comply with NESHAP Subpart LLL no longer applies.

5. CAM ANALYSIS

This section presents the basis for the applicability determination for 40 CFR 64 Compliance Assurance Monitoring (CAM). CAM requirements were not required to be addressed in the initial FOP application, but CAM requirements must be addressed in the application for a permit renewal.

5.1 CAM Background

The U.S. Environmental Protection Agency (EPA) promulgated the CAM rule, 40 CFR 64, on October 22, 1997. The purpose of this rule, according to EPA, is "to provide a reasonable assurance of compliance with applicable requirements" pursuant to the Clean Air Act Amendments of 1990.

Per 40 CFR 64.2(a), CAM applies to emission units that satisfy all of the following criteria:

1. Emissions units subject to an emission limitation or standard for a regulated air pollutant (or a surrogate thereof).
2. Emissions units that use a control device to achieve compliance with any such emission limitation or standard.
3. Emissions units that have potential pre-control device emissions of the regulated air pollutant that are equal to or greater than 100 percent of the amount, in tons per year, required for a source to be classified as a major source.

40 CFR 64 defines emissions unit using the definition provided in 40 CFR 70. Emissions unit as it is defined in 40 CFR 70.2 means “any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any pollutant listed under section 112(b) of the Act.” 40 CFR 64 defines control device as “equipment, other than inherent process equipment, that is used to destroy or remove air pollutant prior to discharge to the atmosphere.” Finally, 40 CFR 64 defines inherent process equipment as “equipment that is necessary for the proper or safe functioning of the process, or material recovery equipment that the owner or operator documents is installed and operated primarily for purposes other than compliance with air pollution regulations.”

Per 40 CFR 64.2(b)(1), emission limitations or standards proposed after November 15, 1990 pursuant to Section 111 of the Clean Air Act (i.e. NSPS) or 112 of the Clean Air Act (i.e. NESHAPs) do not constitute emission standards for purposes of evaluating whether an emission unit meets CAM criterion #1.

If an emission unit is determined to be subject to CAM, pursuant to 40 CFR 64.3, CalPortland is required to design monitoring to obtain data for one or more indicators of emission-control performance for the control device. Further, pursuant to 40 CFR 64.4, the monitoring as required by 40 CFR 64.3 is required to be summarized in a CAM plan, and the CAM plan must be submitted as part of the FOP renewal application.

5.2 CAM Applicability Analysis by Unit

CalPortland evaluated emission units at the Facility that meet CAM criterion #2 (i.e., emission units that use a control device to achieve compliance with an emission limit or standard) on a pollutant-by-pollutant basis to determine CAM applicability. If criteria #1 and #2 from § 64.2(a) applied to the unit for a pollutant and no exemptions were applicable, CalPortland evaluated the uncontrolled potential emissions of the unit for that pollutant to determine if CAM applies.

Please refer to Appendix D, which contains a detailed CAM applicability analysis for the emission sources that meet the above criteria. Based on the analysis contained in Appendix D, CalPortland determined that Process Groups 110, 121, 131, 231, 311, 321, 341, 351, 411, 461, 511, 521, 471, 531, 470, 550, 611, and 621 are subject to CAM requirements. For each of these units, the operational conditions, compliance testing requirements, and compliance verification requirements contained within the current MDAQMD and FOP fulfill the requirements of 40 CFR 64 for defining monitoring parameters and frequency. These permit conditions require weekly reading of baghouse pressure drop, date, and value, along with routine baghouse stack observations using USEPA Method 22 and Method 9, as needed.

APPENDIX A. MDAQMD FORMS

TITLE V APPLICATION CHECKLIST

Initial Title V application	
1202-A Submission Certification Form	☐ Completed
1202-B1 Facility Summary Form	☐ Completed
1202-B2 Facility Emissions Summary Form	☐ Completed
1202-C Combustion Emissions Unit Form	☐ Completed ☐ Not Applicable
1202-D Piston Engine Emissions Unit Form	☐ Completed ☐ Not Applicable
1202-E Coating/Solvent Emissions Unit Form	☐ Completed ☐ Not Applicable
1202-F Organic Liquid Storage Unit Form	☐ Completed ☐ Not Applicable
1202-G General Emissions Unit Form	☐ Completed ☐ Not Applicable
1202-H Emissions Control Unit Form	☐ Completed ☐ Not Applicable
1202-I Exempt Equipment listing Form	☐ Completed
1202-J Compliance Plan Form	☐ Completed
1202-K Compliance Certification Form	☐ Completed
1202-L Monitoring Report Form	☐ Completed
1202-M Alternative Operating Scenario(s) Form	☐ Completed ☐ Not Applicable
Title V Permit Modification	
1202-N Permit Application for Administrative Amendment or Minor/Significant Modification	☐ Completed
Title V Permit Renewal	
1202E2-A General Facility Information form	☑ Completed
1202E2-B Application Certification form	☑ Completed
1202E2-C Non-Compliant Operations Report	☑ Completed ☐ Not Applicable
1202E2-D List of Exempt Equipment	☑ Completed
1202E2-E Potential Emissions Report	☑ Completed
1202E2-F Compliance Assurance Monitoring	☑ Completed
1202E2-G Permit Shield Request	☐ Completed ☑ Not Applicable
1202E2-H Alternate Operating Scenarios form	☐ Completed ☑ Not Applicable
Title V Compliance Reports	
TV Form 19A – Annual Compliance Certification	☐ Completed
TV Form 19B – Semi-Annual Monitoring Report	☐ Completed
TV Form 19C – Deviation Report	☐ Completed

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – GENERAL FACILITY INFORMATION

1. FACILITY ID: 3 FACILITY SIC CODE: 3241 Cement Manufacturing

TITLE V PERMIT NUMBER: 223900003 PERMIT EXPIRATION DATE: January 8, 2021

2. COMPANY NAME: CalPortland Company

3. COMPANY MAILING ADDRESS:

STREET/P.O. BOX: P.O. Box 146

CITY: Oro Grande STATE: CA 9-DIGIT ZIP CODE: 92368

4. FACILITY NAME: CalPortland - Oro Grande

5. FACILITY MAILING ADDRESS:

STREET/P.O. BOX: P.O. Box 146

CITY: Oro Grande STATE: CA 9-DIGIT ZIP CODE: 92368

6. RESPONSIBLE OFFICIAL (AS DEFINED IN 40 CFR 70.2 AND MDAQMD RULE 1201)

NAME: Richard P. Walters Jr. TITLE: Plant Manager PHONE NUMBER (760) 269-1183

7. TITLE V PERMIT CONTACT PERSON

NAME: Richard P. Walters Jr. TITLE: Plant Manager PHONE NUMBER (760) 269-1183

8. TYPE OF ORGANIZATION:

☑ CORPORATION ☐ SOLE OWNERSHIP ☐ GOVERNMENT ☐ PARTNERSHIP ☐ UTILITY

9. CAM (COMPLIANCE ASSURANCE MONITORING) PLANS

Are you required to submit a CAM plan for any emissions unit at this facility? ☑ Yes ☐ No

If yes, submit a CAM plan for each emissions unit as an attachment to the application. See attached CAM plan instructions for more detail.

10. ALTERNATE OPERATING SCENARIOS

Does this application request alternative operating scenarios pursuant to Rule 1203(E)? ☐ Yes ☑ No

If yes, submit an Alternate Operating Scenarios form, as applicable.

11. RISK MANAGEMENT PLAN

Has this facility been required to prepare a federal Risk Management Plan pursuant to Section 112(r) of the federal Clean Air Act and 40 CFR Part 68? ☐ Yes ☑ No

If yes, has the federal Risk Management Plan been submitted to the implementing agency? ☐ Yes ☐ No

If a federal Risk Management Plan is required but has not been submitted to the implementing agency, provide a detailed explanation as an attachment to the application.

12. STRATOSPHERIC OZONE

Does the facility conduct any activities that are regulated by the federal protection of stratospheric ozone requirements in 40 CFR Part 82? ☐ Yes ☑ No

13. ACID RAIN

Is this facility subject to the acid rain requirement in 40 CFR Part 72 through 40 CFR Part 78? ☐ Yes ☐ No

14. MAJOR SOURCE STATUS

Is this facility a major source of greenhouse gases, as defined in MDAQMD Rule 1211? ☑ Yes ☐ No

Is this facility a major source of any of the following pollutants:

☐ VOCs ☑ Particulate Matter ☑ Carbon Monoxide ☑ Nitrogen Oxides ☑ Sulfur Dioxides

☐ Lead ☑ HAP

15. PERMIT SHIELDS

Does the current Title V permit for this facility include any permit shields? ☐ Yes ☑ No

If yes, is the basis for each permit shield still correct? ☐ Yes ☐ No

If the current Title V permit contains any permit shield for which the basis is no longer correct, provide a detailed explanation as an attachment to the application. If you are requesting an additional permit shield, complete the attached Permit Shield Request form.

16. CERTIFICATION BY RESPONSIBLE OFFICIAL

Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete. I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Signature: Richard P. Walker Date: 9/10/2020

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – APPLICATION CERTIFICATION

I. FACILITY INFORMATION

1. FACILITY NAME: CalPortland - Oro Grande
2. FACILITY ID: 3
3. TITLE V PERMIT #: 223900003

II. TITLE V PERMIT CERTIFICATION (Read each statement carefully and check one):

☐ The current Title V permit has been reviewed and it has been determined that equipment descriptions are correct, and all requirements are still applicable.

☑ The current Title V permit has been reviewed and errors have been found in equipment descriptions and/or permit requirements. ~~A copy of the Title V permit is attached with redline changes.~~ Permit application and/or modification forms are enclosed, as applicable.

Requested changes are described in the Application Report.

III. COMPLIANCE CERTIFICATION (Read each statement carefully and check all for confirmation):

☑ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s), except for those requirements listed in the "Title V Non-Compliant Operations Report".

☑ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis, except for those requirements listed in the "Title V Non-Compliant Operations Report".

☑ Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.

Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete. I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true.

Richard P. Walters — Signature of Responsible Official

9/10/2020 — Date

Richard P. Walters Jr.

Name of Responsible Official (please print)

Plant Manager

Title of Responsible Official (please print)

14306 Park Avenue, Victorville, CA 92392 | Tel: (760)245-1661

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B000137

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B000159

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B000161

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B000197

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B001901

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007426

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007427

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007431

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007434

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007435

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007439

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007440

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007445

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007457

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007466

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007471

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007477

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007481

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007483

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007486

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007493

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007496

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B007505

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B012147

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B012151

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B012929

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B012999

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	B013017

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C000138

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C000140

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C000160

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C000162

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C000164

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C000198

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C000219

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001708

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001713

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001714

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001739

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001740

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001742

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001770

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001771

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001772

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001774

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001775

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C001776

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C004599

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007406

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007407

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007408

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007409

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007410

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007411

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007412

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007413

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007414

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007415

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007416

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007417

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007418

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007419

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007420

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007421

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007422

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007423

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007424

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007425

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007429

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007430

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007438

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007441

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007442

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007443

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007444

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007448

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007451

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007462

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007463

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007468

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007469

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007470

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007474

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007475

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007476

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007478

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007479

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007482

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007484

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007485

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007487

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007488

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007494

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007495

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007497

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007500

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007501

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007506

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007507

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C007510

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C010335

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C010336

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C010337

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C010338

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C010852

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C010856

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C010857

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C012148

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C012149

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C012923

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C012927

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C012928

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013000

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013001

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013002

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013003

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013004

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013005

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013006

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013007

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013008

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013009

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013010

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013011

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013012

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013013

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013014

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	C013015

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	E009742

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	E009750

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	N005096

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T001734

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T001753

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T001755

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T001756

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T004598

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007433

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007449

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007452

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007453

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007461

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007491

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007498

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007499

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T007508

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T011082

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T012146

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T012150

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T012998

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – NON-COMPLIANT OPERATIONS (DEVIATIONS) REPORT AND PART 70 COMPLIANCE SCHEDULE/PLAN AND QUALITY IMPROVEMENT PLAN - QIP

I. FACILITY INFORMATION

1. FACILITY NAME:	2. FACILITY ID	3. PERMIT NUMBER
CalPortland - Oro Grande	3	T013016

II. Compliance Status

CalPortland is currently in compliance and will be in compliance with all applicable requirements at the time of the renewed FOP issuance. Refer to the current FOP for a list of all applicable requirements.

III. PROGRESS REPORT SCHEDULE

11. CERTIFIED PROGRESS REPORTS WILL BE SUBMITTED ACCORDING TO THE FOLLOWING SCHEDULE: (CHECK a or b and complete c):

a. ☐ Semi-annually b. ☐ More frequently as specified c. Submittal dates: 1)_____ 2)_____ 3)_____ 4)_____

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – LIST OF EXEMPT EQUIPMENT

I. FACILITY INFORMATION

1. FACILITY NAME: CalPortland - Oro Grande
2. FACILITY ID: 3
3. TITLE V PERMIT #: 223900003

II. SUMMARY OF EQUIPMENT EXEMPT FROM PERMIT REQUIREMENTS (INCLUDING PORTABLE)

4. EXEMPT EQUIPMENT DESCRIPTION	5. VENTING TO CONTROL (PERMIT #)	6. CONTROL DEVICE DESCRIPTION	7. BASIS FOR EXEMPTION (e.g. Rule 219(D)(2)(b))
Motor Vehicles	N/A	N/A	Rule 219(E)(1)(a)
Equipment Mounted on Motor Vehicles	N/A	N/A	Rule 219(E)(1)(b)
Locomotives used to transport passengers or freight	N/A	N/A	Rule 219(E)(1)(c)
IC Engines <50bhp or Gas Turbine Engines <3,000,000 Btu/hr	N/A	N/A	Rule 219(E)(2)(a)
General Combustion Equipment <2,000,000 Btu/hr	N/A	N/A	Rule 219(E)(2)(b)
Repairs/Maintenance not involving structural changes	N/A	N/A	Rule 219(E)(3)(b)
Bench Scale Laboratory Test Equipment	N/A	N/A	Rule 219(E)(3)(d)
Vacuum-Producing Laboratory Devices	N/A	N/A	Rule 219(E)(3)(e)
AC and Ventilation Units	N/A	N/A	Rule 219(E)(4)(a)
Refrigeration Units	N/A	N/A	Rule 219(E)(4)(b)
Water Cooling Towers <10,000 gal/min	N/A	N/A	Rule 219(E)(4)(c)
Steam Cleaning Equipment <2,000,000 Btu/hr	N/A	N/A	Rule 219(E)(4)(d)
Space Heaters other than Boilers	N/A	N/A	Rule 219(E)(4)(e)
Equipment used for buffing and surface grinding	N/A	N/A	Rule 219(E)(7)(a)
Batch Mixers with <55 gal Capacity	N/A	N/A	Rule 219(E)(11)(a)
Mills, Mixers, Post Mixing Stations, Dispersers <251 gal	N/A	N/A	Rule 219(E)(11)(d)
Concrete Mixers <1 cubic yard	N/A	N/A	Rule 219(E)(11)(e)
Coating or Adhesive Application or Laminating Equipment	N/A	N/A	Rule 219(E)(13)(p)
Surface Coating Equipment <1gal/day	N/A	N/A	Rule 219(E)(13)(r)
Architectural Coatings Eqpt. for Business/Residential Structures	N/A	N/A	Rule 219(E)(13)(x)
Hand Applications of Cleaning Solvents	N/A	N/A	Rule 219(E)(14)(d)
Storage Equipment for <20,000gal/day of organic material	N/A	N/A	Rule 219(E)(15)(c)
Transfer Equipment for <60gal of Organic Liquids	N/A	N/A	Rule 219(E)(15)(d)
Oil Storage Equipment with Capacity < 793gal	N/A	N/A	Rule 219(E)(15)(e)
Gasoline Storage Equipment with Capacity <250gal	N/A	N/A	Rule 219(E)(15)(i)
Unheated Solvent Dispensing Containers <250gal	N/A	N/A	Rule 219(E)(15)(l)

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL EMISSIONS REPORT, CRITERIA POLLUTANTS & HAPs

I. FACILITY INFORMATION

1. FACILITY NAME: CalPortland - Oro Grande
2. FACILITY ID: 3
3. TITLE V PERMIT #: 223900003

II. POTENTIAL ANNUAL EMISSIONS

Refer to 2019 CEIR provided in Appendix B

4. EMISSION UNIT (APPLICATION OR PERMIT #)	5. EQUIPMENT DESCRIPTION	6. POTENTIAL ANNUAL EMISSIONS							
		NOx (TPY)	VOC (TPY)	PM10 (TPY)	PM2.5 (TPY)	SOx (TPY)	CO (TPY)	Other: (TPY)	Other: (TPY)

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL GREENHOUSE GAS EMISSIONS REPORT

I. FACILITY INFORMATION

1. FACILITY NAME: CalPortland - Oro Grande
2. FACILITY ID: 3
3. TITLE V PERMIT #: 223900003

II. POTENTIAL ANNUAL EMISSIONS

Refer to the 2019 Cal e-GGGRT Summary Report included in Appendix E

4. EMISSION UNIT (APPLICATION OR PERMIT #)	5. EQUIPMENT DESCRIPTION	6. POTENTIAL ANNUAL EMISSIONS							
		CO_2 (TPY)	N_2O (TPY)	CH_4 (TPY)	HFCs (TPY)	PFCs (TPY)	SF_6 (TPY)	Other: (TPY)	$CO_2(e)$ (TPY)

Mojave Desert Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – COMPLIANCE ASSURANCE MONITORING

APPLICABILITY DETERMINATION FORM

I. FACILITY INFORMATION

1. FACILITY NAME: CalPortland - Oro Grande
2. FACILITY ID: 3
3. TITLE V PERMIT #: 223900003

II. CAM STATUS SUMMARY FOR EMISSION UNITS

4. Based on the criteria in the instructions (check one and attach additional pages as necessary):

a. ☐ There are no emission units with control devices at this Title V facility.

b. ☒ There are emission units with control devices at this Title V facility, and the CAM applicability is shown below for each unit. A CAM plan is attached for each affected emissions unit.

Refer to Appendix D for CAM Applicability for each permitted emission unit.

5. EMISSION UNIT (APPLICATION OR PERMIT #	6. EQUIPMENT DESCRIPTION	UNCONTROLLED EMISSIONS		9. UNCONTROLLED POTENTIAL EMISSIONS EXCEED THE MAJOR SOURCE THRESHOLD AND USE A CONTROL DEVICE?	10. EXEMPT FROM CAM BY 40 CFR 64.2(b)(1)? (ENTER YES OR NO. IF YES, STATE THE REASON FOR EXEMPTION)	11. IS A CAM PLAN REQUIRED?
		7. POLLUTANT TYPE	8. PTE (tons/year)			

APPENDIX B. 2019 CEIR

CalPortland Oro Grande Reporting Year 2019 CEIR Inputs

Reporting Year	2019

Operating Hours		
Equipment	**Hours**	**Data Source**
Kiln	6,471.30	Production Summary - Kiln Total
Raw Mill	6,208.19	Production Summary - Raw Grind Total
Coal Mill	6,495.17	Coal Mill Hours Spreadsheet - CEMS Data
Finish Mill #1	6,043.44	Production Summary - Finish Grind Total
Finish Mill #2	4,042.80	Production Summary - Finish Grind #2 Total
Finish Mill #2 - Additive Conveying System	1,018.00	Provided by J. Gammett
Finish Mill #2 Truck Loadout	1,222.00	Provided by J. Gammett
Cardinal Scale	15.78	Engineer Information
Plastic Grind	979.02	Production Summary - Finish Grind Plastic - Finish Mill 1
Type III Cement Production	1,320.50	Production Summary - Finish Grind Type III - Finish Mill 1
Type III Clinker Production	1,123.98	Production Summary - Kiln Clinker Type III - Finish Mill 1
Coal and Slag Bin	8,045.67	Provided by J. Gammett - from PI Server for 461WF090M01_A.OSG1 and 231BC120M01.OSG1
Primary Crusher	2,410.50	Year-end DOR OG EFF Report Tab
Secondary Crusher #1	2,266.20	Year-end DOR OG EFF Report Tab
Secondary Crusher #2	2,333.00	Year-end DOR OG EFF Report Tab
Rail Car Loading (hours per railcar)	1.00	Desirea Haggard via Bob Sylvia
Coal Rail Unloading (hours per railcar)	0.50	Desirea Haggard via Jessica Gammett
Truck Loading (hours per truck)	0.12	Desirea Haggard via Bob Sylvia - Average Value
Inactive	0	Inactive
Continuous	8,760	Hours in a year

Kiln CEMS Data			
Pollutant	**Normal Operation CEMS Emissions (tpy)[1]**	**Emissions (tpy)**	**Data Source**
NOx	1,734.31	1,734.31	CEMS
SOx	6.54	7	CEMS
CO	282.09	282	CEMS
VOC	5.31	5	CEMS

1. Includes start-up/shutdown emissions

Kiln CEMS Toxics Data		
Pollutant	**CEMS Emissions (lb/yr)**	**Data Source**
Hg (Mercury)	42.48	CEMS
HCl (Hydrogen Chloride)	16,622.03	CEMS

Engines		
Engine	**Hours of Operation**	**Data Source**
Fire Pump Engine	22.1	ER Fire Pump Log 2019
Emergency Generator Engine	0.83	ER Generator Log 2019

Blasting		
Parameter	**Value**	**Data Source**
Area per Blast (ft^2)	19,092	Dec 2019 Drill and Blast Report
Number of Blasts	76	Dec 2019 Drill and Blast Report
Number of Holes Drilled	6,449	Dec 2019 Drill and Blast Report
Quantity of Explosives Used (tons)	1,112	Dec 2019 Drill and Blast Report

Piles[1]

Pile Name	Material	Coordinates		1st Quarter[2]		2nd Quarter[3]		3rd Quarter[4]		4th Quarter[5]		Control Efficiency (%)	Data Source
		UTMX (m)	UTMY (m)	Firmatek Number	Square Feet (ft^2)	Firmatek Number	Square Feet (ft^2)	Firmatek Number	Square Feet (ft^2)	Firmatek Number	Square Feet (ft^2)		
Aluminium Filter Cake 138	Aluminum Filter Cake	469,833	3,829,942	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
ASB Bauxite & Clay Blend Stockpile 036	ASB Bauxite Clay Blend	469,526	3,829,890	14	15,376.19	17	10,324.75	16	10,390.83	11	9,077.04	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
ASB Iron Ore Stockpile 036	Iron Ore	469,526	3,829,890	N/A	-	N/A	-	N/A	-	12	3,874.25	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
CKD Dump Stockpile 039	CKD	471,128	3,830,212	N/A	-	N/A	-	N/A	-	N/A	-	0	Control Efficiency from MDAQMD Guidelines
Clinker IA Quarry	Clinker	471,511	3,831,912	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Clinker Mixed Stockpile 1 02	Clinker	469,628	3,829,939	N/A	-	N/A	-	N/A	-	N/A	-	90	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Crusher Clinker	Clinker	469,721	3,830,224	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Dock Limestone Stockpile 139	Limestone	469,646	3,830,050	N/A	-	N/A	-	N/A	-	N/A	-	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Finish Mill Temporary Transfer Pile 215	Gypsum	469,042	3,829,444	20	6,640.67	25	6,906.59	26	6,441.84	22	3,841.21	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
L4 Clinker Stockpile 0	Clinker	470,500	3,829,774	N/A	-	N/A	-	N/A	-	N/A	-	60	Control Efficiency from MDAQMD Guidelines
Limestone 302	Limestone	470,229	3,829,628	1/2	50,308.28	1/2	59,796.68	1/2	49,920.76	1/2	60,422.85	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Mack's Peak Waste Pile 150	Waste Rock	472,219	3,831,188	N/A	-	N/A	-	N/A	-	N/A	-	90	Control Efficiency from MDAQMD Guidelines
MSB Coal Stockpile	Coal	469,275	3,829,649	18	80,734.07	21	61,221.56	21/22	70,637.68	19/20	67,477.30	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
MSB Slag Stockpile 142	Slag	469,314	3,829,695	19	3,165.02	20	5,656.82	20	5,796.14	17	4,265.59	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Harriman Waste Rock	Waste Rock	470,845	3,830,497	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Quarry Dome Limestone stockpile 109	Limestone	469,893	3,829,794	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Main Bauxite (firmatek 4)	Bauxite	469,819	3,829,965	5	28,951.06	7	30,448.57	5	36,537.14	4	34,880.87	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Finish Mill Lime	Lime	469,042	3,829,444	22	4,889.06	24	7,823.48	27	6,680.98	19	12,300.52	50	Control Efficiency from MDAQMD Guidelines
ASB Ione/Acton/Baux Blend	ASB Bauxite Clay Blend	469,526	3,829,890	16	19,486.38	19	22,190.20	14	19,997.06	13	32,378.64	50	Control Efficiency from MDAQMD Guidelines
Quarry Gray Clay Stockpile 222	Clay - Gray	469,705	3,830,006	7	24,686.63	9	26,730.59	9	30,933.57	6	12,230.75	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Quarry Gypsum Stockpile 019	Gypsum	469,968	3,830,082	11	29,307.14	13	30,771.86	N/A	-	N/A	-	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Quarry Gypsum Stockpile 118	Gypsum	469,848	3,830,157	11	11,758.83	N/A	-	N/A	-	N/A	-	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Quarry Ione White Clay Stockpile 030	Clay - White Ione	469,576	3,830,096	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Quarry Ione White Clay Stockpile 223	Clay - White Ione	470,007	3,830,234	11	52,461.79	14/14A	49,589.85	12	50,070.56	12	45,093.63	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Quarry Iron Ore Stockpile 028	Iron Ore	469,723	3,830,066	8	23,787.53	10	22,686.73	7	29,975.32	5	22,284.74	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Quarry L5 Coal Stockpile 1 047	Coal	470,359	3,829,770	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Quarry L5 Coal Stockpile 2 047	Coal	470,359	3,829,770	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Quarry Shay Coal Stockpile 042	Coal	470,060	3,829,650	2	63,626.15	3	55,659.57	3	16,184.52	N/A	-	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Quarry Steel Slag Stockpile 2 022	Slag	469,895	3,830,033	4	96,876.84	6	89,824.94	6	87,295.43	3	87,543.44	50	Firmatek Report, Control Efficiency from MDAQMD Guidelines
Sparkhule Waste Rock 059	Waste Rock	471,335	3,832,057	N/A	-	N/A	-	N/A	-	N/A	-	50	Control Efficiency from MDAQMD Guidelines
Small Bauxite Stockpile	Bauxite	469,935	3,830,221	15	3,868.89	16	3,255.07	16	4,387.33	25	7,654.88	50	
Bauxite & Clay Blend Stockpile	ASB Bauxite Clay Blend	469,750	3,829,930	6	9,080.73	8	6,765.29	5	5,251.87	5	9,226.39	50	
Iron Ore and Mill Scale Blend Stockpile	Iron Ore	469,782	3,830,082	10	5,629.55	12	5,311.73	12	3,686.21	9	1,229.14	50	
Main Acton White Clay Pile	Clay - Acton White	470,000	3,830,217	13	24,464.13	15	19,295.62	13	24,391.42	13	16,911.65	50	
Main Mill Scale Pile	Iron Ore	469,782	3,830,082	N/A	-	N/A	-	N/A	-	N/A	-	50	
Lima Gypsum Pile	Gypsum	469,997	3,830,068	9	3,761.08	11	3,342.37	8	3,161.25	8	1,563.54	50	
ASB Iron Ore and Mill Scale Blend Stockpile	Slag	469,513	3,829,885	15	3,130.69	18	5,259.52	13	3,062.40	15	3,604.92	50	
Blend Quarry Pile	ASB Bauxite Clay Blend	469,998	3,830,205	14	10,509.43	N/A	-	14	2,996.11	13	3,464.47	50	
Finish Mill Clinker Pile	Clinker	469,092	3,829,436	N/A	-	N/A	-	N/A	-	N/A	-	50	
Shay Klondike Clinker Pile	Clinker	469,912	3,829,798	N/A	-	4/5	58,868.12	4/5	20,055.44	N/A	-		
Finish Mill No. 2, Gypsum Pile	Gypsum	469,072	3,829,746	N/A	-	23	4,596.85	24	6,051.64	20	4,121.27	0	
Finish Mill No. 2, Limestone Pile	Limestone	469,088	3,829,730	N/A	-	22	7,623.68	23	8,910.26	21	9,855.65	0	
Gypsum Pile, West (dues west of Station 7/8)	Gypsum	468,964	3,829,708	N/A	-	N/A	-	25	45,487.15	23	39,927.66	0	
Laterite Stockpile	Laterite	470,096	3,830,112	N/A	-	N/A	-	9	11,457.00	14	7,135.55	50	
New Gray Clay stockpile/ offloading area	Clay - Gray	469,888	3,830,090	N/A	-	N/A	-	10	5,767.53	8	24,685.50	50	
New Bauxite stockpile/offloading area	Bauxite	469,973	3,830,085	N/A	-	N/A	-	11	13,834.57	6	24,993.73	50	
Brick Pile, Sparkhule Quarry	Brick	471,597	3,832,075	N/A	-	N/A	-	28	41,257.13	N/A	-	50	
Polycom Slag Stockpile	Slag	469,223	3,829,788	N/A	-	N/A	-	N/A	-	18	1,890.82	50	
Crushed Limestone pile, Sparkhule Quarry	Limestone	471,353	3,831,988	N/A	-	N/A	-	N/A	-	22	52,239.90	50	
Crushed Brick pile, Sparkhule Quarry	Brick	471,375	3,832,051	N/A	-	N/A	-	N/A	-	21	20,567.97	50	

1. Pile surface areas provided by Firmatek
2. 1st Quarter pile information is from maximum of January to March Firmatek reports.
3. 2nd Quarter pile information is from maximum of April to June Firmatek reports.
4. 3rd Quarter pile information is from maximum of July to September Firmatek report.
5. 4th Quarter pile information is from maximum of October to December Firmatek report.

Material Throughputs		
Process/Material	**Annual Throughput (tons)**	**Data Source**
Tons Bauxite Used	39,411	Used Summary - Raw Grind
Tons Type II/V Clay Used	7,923	Used Summary - Raw Grind
Tons Bauxite Received	49,847	Received Summary
Tons Carbon Received	363	Received Summary
Tons Total Cement Sold	1,760,820	Shipped Summary
Tons Clinker Sold	14,851	Shipped Summary
Tons Clinker Type II/V Produced	1,338,749	Production Summary - Kiln
Tons Clinker Type III Dome Produced	228,793	Production Summary - Kiln
Tons Total Clinker Produced	1,567,542	Production Summary - Kiln
Tons Coal to Kiln Used	217,510	Used Summary - Kiln
Tons Coal Received	216,352	Received Summary
Tons Quarry Overburden	2,318,665	Quarry Manager - Jorge Garcia-Joo
Tons Gypsum Used	67,493	Used Summary - Finish Grind - Finish Mill 1
Tons Ione Clay Type III and Type II/V Received	20,447	Received Summary - Ione Clay
Tons Ione Clay Type III and Type II/V Used	26,458	Used Summary Raw Grind - Ione Clay and Raw Mix Type II
Tons Iron Ore Received	32,637	Received Summary
Tons Iron Ore Used	32,215	Used Summary - Raw Grind
Tons Hydrated Lime Received	3,223	Received Summary
Tons Quarried Limestone Produced	2,230,524	CDOR Spreadsheet - OG Inv Report tab
Tons Limestone to Finish Mill Used	63,430	Used Summary - Finish Grind
Tons Quarried Limestone Used	2,232,457	Used Summary - Raw Grind
Tons Coal to Kiln Received	216,352	Received Summary
Tons Limestone Used	2,232,457	Used Summary - Raw Grind
Tons Waste to Shay	116,090	Quarry Manager - Jorge Garcia-Joo
Tons Slag to Kiln Used	32,655	Used Summary - Kiln
Tons Iron Ore Obtained	32,637	Received Summary
Tons Gypsum Received	121,106	Received Summary
Tons Slag to Kiln Received	24,596	Received Summary
Tons Limestone to Finish Mill Obtained	0	Received Summary
Tons CKD	0	Desirea Haggard - Source Inactive
Tons All Clays for Type II/V Received	20,447	Received Summary
Tons All Clays for Type II/V Used	26,458	Used Summary - Raw Grind
Tons Acton White Clay Typ III Obtained	13,043	Received Summary
Tons Acton White Clay Typ III Used	12,015	Used Summary - Raw Grind
Tons Original Canyon Limestone Obtained	0	Quarry Manager - Jorge Garcia-Joo
Tons Aluminum Filter Cake	0	Year-end DOR OG Inv Report Tab
Gallons Plant Gasoline	27,355	Dee Powers--Accounting
Gallons Plant Diesel	84,124	Dee Powers--Accounting
Gallons Total Quarry Diesel	619,287	Dee Powers--Accounting
Tons Quartzite Sold	103,374	Aggregates Group - Juan Ayon or Chad Warren
Tons Sparkhule Waste Sold	0	Quarry Manager - Jorge Garcia-Joo
Tons High Grade Limestone Received	0	Received Summary
Tons Lime Received	3,223	Received Summary
Tons Mill Scale Received	8,378	Received Summary
Tons brick used	12,718	Quarry Manager - Jorge Garcia-Joo
Tons Finish Mill 2 Gypsum Used	40,516	Used summary-finish grind
Tons Laterite Used	2,457	Per Dee Powers
Tons crushed limestone to Finish Mill2 used	24,094	Used Summary - Finish Grind
Tons Mill Scale Used	9,326	Used Summary - Raw Grind
Tons Mack's Peak Dump	89,110	Quarry Manager - Jorge Garcia-Joo

Meterological Data		
Parameter	**Value**	**Data Source**
Number of Days with Precipitation > 0.01 in	30	AP-42 Figure 13.2.1.2
Percentage of Time with Wind Speed > 12 mph (%)	13.3	Default Value - MDAQMD
Mean Windspeed (mph)	7.7	Default Value - MDAQMD

Gasoline Vehicle Parameters		
Parameter	**Value**	**Data Source**
Fuel Efficiency (mpg)	12	2016 CEIR
Gasoline Dispensed (gallons)	27,355	Jim Renner - Purchasing
Average Gasoline Vehicle Trip Distance (miles)	2	2016 CEIR
Percentage of Gasoline Personal Use	0	Desirea Haggard, Environmental Manager, states no personal vehicles filled on site

Cement Loadout Distribution		
Method	**Fraction**	**Data Source**
Truck	0.87	Bob Sylvia
Rail	0.13	Bob Sylvia

Vehicle Material Capacities		
Method	**Tons**	**Data Source**
Rail	100	Desirea Haggard via Bob Sylvia
Truck	25	Desirea Haggard via Bob Sylvia

CalPortland Oro Grande Reporting Year 2019 CEIR Emissions Summary

Source	Criteria Pollutants (Tons)						
	PM	PM_{10}	$PM_{2.5}$	NOx	SOx	CO	VOC
Point Sources	271.3	271.3	267.2	0.1	0.0	0.0	0.0
Area Sources	75.8	39.0	32.5	9.4	0.0	37.2	0.0
Volume Sources	285.0	99.7	15.1	0.0	0.0	0.0	0.0
Trips	611.1	179.2	18.3	0.0	0.0	0.0	0.0
Kiln	6.6	6.6	3.0	1,734.3	6.5	282.1	5.3
Total	1,249.6	595.8	336.1	1,743.9	6.5	319.4	5.3

CalPortland Oro Grande Reporting Year 2019 CEIR Point Source Emissions Summary

HARP Identifiers			Facility Information[1, 2]																
Stack ID	Device ID	Process ID	Facility ID Number	Type	Device Name	Process Permit Number	Device Permit Number	SCC	UTMX[5] (m)	UTMY[5] (m)	Height (ft)	Actual Flow Rate (acfm)	Temperature (Fahrenheit)	Temperature (Rankine)	Pressure (inHg)	Baghouse Stack Length (ft)	Baghouse Stack Width (ft)	Baghouse Stack Diameter (in)	Diameter or Effective Diameter (ft)
10011	1001	1	131BF102	Baghouse	Additives Hopper	B007426	C007422	30500618	469,288	3,829,960	0.10	2,200	70.00	529.67	26.82	1.00	1.29		1.28
10012	1001	2	132BF101	Baghouse	Additives Hopper	B007426	C007423	30500618	469,477	3,829,878	9.25	3,000	70.00	529.67	26.82	1.05	0.75		1.00
10021	1002	1	611BF050	Baghouse	Aerator #1	T001756	C010857	30500618	468,786	3,829,377	91.63	8,600	200.00	659.67	26.82	1.50	1.90		1.90
10031	1003	1	611BF060	Baghouse	Aerator #2	T001756	C010856	30500618	468,782	3,829,404	93.09	8,600	200.00	659.67	26.82	1.50	1.90		1.90
10041	1004	1	611BF070	Baghouse	Aerator #3	T001755	C010852	30500618	468,774	3,829,432	98.63	8,600	200.00	659.67	26.82	1.50	1.90		1.90
10051	1005	1	621BF245	Baghouse	Cement Loadout Rail	B007505	C007506	30500618	468,799	3,829,441	80.67	10,000	135.00	594.67	26.82	1.50	1.90		1.90
10052	1005	2	621BF270	Baghouse	Cement Loadout Rail	B007505	C010336	30500618	468,801	3,829,440	32.44	2,000	110.00	569.67	26.82	1.34	1.50		1.60
10053	1005	3	621BF345	Baghouse	Cement Loadout Rail	B007505	C007507	30500618	468,793	3,829,440	80.54	10,000	135.00	594.67	26.82	1.08	1.19		1.28
10054	1005	4	621BF370	Baghouse	Cement Loadout Rail	B007505	C010337	30500618	468,793	3,829,439	32.36	2,000	110.00	569.67	26.82	1.34	1.50		1.60
10061	1006	1	611BF001	Baghouse	Cement Packing and Shipping	B001901	C001776	30500618	468,845	3,829,343	83.77	9,600	135.00	594.67	26.82	1.08	1.19		1.28
10062	1006	2	611BF002	Baghouse	Cement Packing and Shipping	B001901	C000162	30500618	468,845	3,829,343	83.77	5,000	135.00	594.67	26.82			16.00	1.33
10063	1006	3	621BF208	Baghouse	Cement Packing and Shipping	B001901	C000164	30500618	468,811	3,829,342	66.26	4,200	135.00	594.67	26.82			16.00	1.33
10071	1007	1	611BF015	Baghouse	Cement Storage	T001755	C001739	30500618	468,777	3,829,439	80.39	7,875	135.00	594.67	26.82	1.18	1.18		1.33
10072	1007	2	611BF016	Baghouse	Cement Storage	T001756	C000219	30500618	468,774	3,829,400	69.14	5,616	150.00	609.67	26.82	1.75	1.75		1.97
10073	1007	3	611BF017	Baghouse	Cement Storage	T001756	C001740	30500618	468,790	3,829,399	69.22	7,875	135.00	594.67	26.82	1.28	1.28		1.44
10074	1007	4	611BF209	Baghouse	Cement Storage	T001734	C001742	30500618	468,951	3,829,507	6.33	5,300	135.00	594.67	26.82	1.53	1.53		1.73
10075	1007	5	611BF600	Baghouse	Cement Storage	T007498	C007420	30500618	468,970	3,829,492	113.90	35,000	135.00	594.67	26.82	1.80	1.62		1.93
10076	1007	6	611BF610	Baghouse	Cement Storage	T007498	C007476	30500618	468,951	3,829,507	6.33	8,000	135.00	594.67	26.82	2.62	2.34		2.79
10081	1008	1	621BF003	Baghouse	Cement Truck Loadout	B001901	C001770	30500618	468,800	3,829,350	81.10	2,880	135.00	594.67	26.82	1.80	1.62		1.93
10082	1008	2	621BF007	Baghouse	Cement Truck Loadout	B000159	C001771	30500618	468,810	3,829,424	46.86	6,790	135.00	594.67	26.82	1.10	1.10		1.24
10083	1008	3	621BF008	Baghouse	Cement Truck Loadout	B000159	C001775	30500618	468,811	3,829,420	46.88	6,790	135.00	594.67	26.82			18.00	1.50
10084	1008	4	621BF009	Baghouse	Cement Truck Loadout	B000159	C001772	30500618	468,811	3,829,417	46.85	6,790	135.00	594.67	26.82			18.00	1.50
10085	1008	5	621BF010	Baghouse	Cement Truck Loadout	B000159	C000160	30500618	468,823	3,829,414	60.39	11,200	120.00	579.67	26.82			18.00	1.50
10086	1008	6	621BF145	Baghouse	Cement Truck Loadout	B007483	C010338	30500618	468,841	3,829,631	100.30	10,000	110.00	569.67	26.82			28.00	2.33
10087	1008	7	621BF170	Baghouse	Cement Truck Loadout	B007483	C007484	30500618	468,841	3,829,636	32.04	2,000	135.00	594.67	26.82	1.34	1.50		1.60
10088	1008	8	621BF171	Baghouse	Cement Truck Loadout	B007483	C007485	30500618	468,841	3,829,626	32.06	2,000	135.00	594.67	26.82	1.08	1.19		1.28
10089	1008	9	621BF470	Baghouse	Cement Truck Loadout	B007483	C007500	30500618	468,833	3,829,626	32.02	2,000	135.00	594.67	26.82	1.08	1.19		1.28
100810	1008	10	621BF471	Baghouse	Cement Truck Loadout	B007483	C007501	30500618	468,833	3,829,637	32.04	2,000	135.00	594.67	26.82	1.08	1.19		1.28
10091	1009	1	611BF040	Baghouse	Cement and Flyash Storage	T001753	C007470	30500618	468,829	3,829,487	117.90	10,000	135.00	594.67	26.82	1.08	1.19		1.28
10092	1009	2	611BF041	Baghouse	Cement and Flyash Storage	T001753	C012923	30500618	468,852	3,829,459	117.92	15,000	60.00	519.67	26.82			21.11	1.76
10101	1010	1	611BF202	Baghouse	Cement + Flyash Truck Loadout	B000161	C001774	30500618	468,830	3,829,480	28.22	1,650	135.00	594.67	26.82	1.21	1.18		1.35
10111	1011	1	441BF101	Baghouse	Clinker Handling	B007435	C007406	30500616	469,140	3,829,561	52.99	4,000	300.00	759.67	26.82	0.82	0.87		0.95
10121	1012	1	511BF061	Baghouse	Clinker Storage & Transfer	B000197	C004599	30500616	468,820	3,829,577	57.49	4,000	110.00	569.67	26.82	1.04	0.93		1.11
10122	1012	2	511BF101	Baghouse	Clinker Storage & Transfer	B007457	C007415	30500616	469,062	3,829,481	28.32	8,000	300.00	759.67	26.82	1.28	1.40		1.51
10123	1012	3	511BF102	Baghouse	Clinker Storage & Transfer	B007457	C007413	30500616	469,125	3,829,480	124.04	21,500	220.00	679.67	26.82	1.20	1.36		1.44
10124	1012	4	511BF103	Baghouse	Clinker Storage & Transfer	B007457	C007417	30500616	469,076	3,829,475	90.82	8,000	300.00	759.67	26.82	1.50	1.66		1.78
10125	1012	5	511BF104	Baghouse	Clinker Storage & Transfer	B007457	C007419	30500616	469,044	3,829,500	111.29	6,000	300.00	759.67	26.82	1.37	1.22		1.46
10126	1012	6	511BF105	Baghouse	Clinker Storage & Transfer	B007457	C007416	30500616	469,014	3,829,480	31.10	6,000	300.00	759.67	26.82	1.07	1.19		1.27
10127	1012	7	511BF106	Baghouse	Clinker Storage & Transfer	B007457	C007414	30500616	469,011	3,829,466	42.42	7,000	300.00	759.67	26.82	1.09	1.19		1.29
10128	1012	8	511BF107	Baghouse	Clinker Storage & Transfer	B007457	C007448	30500616	469,000	3,829,393	71.38	4,000	300.00	759.67	26.82	1.19	1.06		1.27
10131	1013	1	511BF051	Baghouse	Clinker Transfer	B000197	C001708	30500616	469,033	3,829,520	33.51	4,002	400.00	859.67	26.82				
10132	1013	2	511BF054	Baghouse	Clinker Transfer	B000197	C000198	30500616	468,875	3,829,566	29.84	3,130	120.00	579.67	26.82	1.35	1.35		1.52
10141	1014	1	231BF140	Baghouse	Coal & Slag Handling and Storage	B007477	C007478	30500621	469,075	3,829,293	36.31	4,500	70.00	529.67	26.82	1.35	1.35		1.52
10142	1014	2	231BF160	Baghouse	Coal & Slag Handling and Storage	B007477	C007479	30500621	469,238	3,829,448	24.68	4,500	70.00	529.67	26.82	1.19	1.07		1.27
10143	1014	3	231BF180	Baghouse	Coal & Slag Handling and Storage	B007477	C007424	30500621	469,205	3,829,474	11.50	4,500	70.00	529.67	26.82	1.19	1.06		1.27
10151	1015	1	461BF610	Baghouse	Coal Grinding	B007481	C007482	30500621	469,198	3,829,650	53.49	800	167.00	626.67	26.82	1.06	1.19		1.27
10161	1016	1	461BF030	Baghouse	Coal Storage Bin	B007481	C010335	30500621	469,210	3,829,653	155.13	8,000	110.00	569.67	26.82	0.40	0.87		0.67
10171	1017	1	110BF101	Baghouse	Crusher, Primary	B007437	C000138	30500609	469,532	3,830,028	10.16	14,000	90.00	549.67	26.82	1.20	1.36		1.44
10172	1017	2	131BF101	Baghouse	Crusher, Primary	B007426	C007421	30500618	469,427	3,829,970	33.62	6,500	70.00	529.67	26.82	1.76	1.76		1.99
10181	1018	1	121BF101	Baghouse	Crushing, Secondary	B000137	C000140	30500610	469,358	3,830,046	51.55	22,000	90.00	549.67	26.82	1.17	1.17		1.32
10182	1018	2	121BF102	Baghouse	Crushing, Secondary	B000137	C001713	30500610	469,358	3,830,032	51.63	22,000	90.00	549.67	26.82	2.38	2.38		2.69
10183	1018	3	121BF103	Baghouse	Crushing, Secondary	B000137	C001714	30500610	469,377	3,830,063	19.88	4,000	70.00	529.67	26.82	2.38	2.38		2.69
10191	1019	1	521BF101	Baghouse	Finish Mill Dosing - Finish Mill #1 System	B007486	C007410	30500629	469,023	3,829,389	37.32	8,000	220.00	679.67	26.82	0.82	0.82		0.93
10201	1020	1	531BF102	Baghouse	Finish Mill #1	B007471	C007474	30500627	469,068	3,829,377	61.70	2,000	220.00	679.67	26.82	1.36	1.22		1.45
10202	1020	2	531BF103	Baghouse	Finish Mill #1	B007471	C007510	30500627	469,084	3,829,374	61.64	3,000	212.00	671.67	26.82	0.64	1.04		0.92
10203	1020	3	531BF104	Baghouse	Finish Mill #1	B007471	C007469	30500627	469,097	3,829,378	71.45	2,300	212.00	671.67	26.82	1.19	0.74		1.06
10211	1021	1	471BF201	Baghouse	Finish Mill #1 Dosing	B007496	C007418	30500629	469,033	3,829,429	15.67	4,000	70.00	529.67	26.82	1.03	0.70		0.96
10212	1021	2	471BF202	Baghouse	Finish Mill #1 Dosing	B007496	C007497	30500629	469,019	3,829,386	110.17	8,500	70.00	529.67	26.82	0.93	1.05		1.12
10221	1022	1	411BF201	Baghouse	Hydrated Lime	T011082	C007409	30500699	469,163	3,829,706	68.54	1,500	70.00	529.67	26.82	1.36	1.22		1.45
10231	1023	1	351BF101	Baghouse	Kiln Feed	B007445	C007408	30500612	469,183	3,829,691	55.25	1,500	212.00	671.67	26.82	1.03	0.70		0.96
10232	1023	2	351BF102	Baghouse	Kiln Feed	B007445	C007407	30500612	469,174	3,829,681	118.61	5,000	212.00	671.67	26.82	0.90	1.03		1.09
10241	1024	1	341BF101	Baghouse	Kiln Feed Storage	B007445	C007462	30500612	469,208	3,829,682	235.14	5,800	265.00	724.67	26.82	1.04	0.93		1.11
10242	1024	2	341BF102	Baghouse	Kiln Feed Storage	B007445	C007488	30500612	469,212	3,829,667	235.89	5,000	265.00	724.67	26.82	1.19	1.06		1.27
10243	1024	3	341BF103	Baghouse	Kiln Feed Storage	B007445	C007463	30500612	469,206	3,829,668	236.62	24,000	265.00	724.67	26.82	1.32	0.98		1.28
10244	1024	4	341BF104	Baghouse	Kiln Feed Storage	B007445	C007487	30500612	469,192	3,829,677	35.16	5,000	265.00	724.67	26.82	2.06	1.85		2.20
10251	1025	1	321BF101	Baghouse	Raw Grinding	B007439	C007442	30500613	469,172	3,829,743	102.56	25,000	190.00	649.67	26.82	1.04	0.84		1.05
10252	1025	2	321BF102	Baghouse	Raw Grinding	B007439	C007441	30500613	469,180	3,829,753	101.58	16,000	190.00	649.67	26.82	2.09	1.85		2.22
10253	1025	3	321BF103	Baghouse	Raw Grinding	B007439	C007451	30500613	469,192	3,829,717	88.88	1,500	194.00	653.67	26.82	1.64	1.83		1.95
10254	1025	4	321BF104	Baghouse	Raw Grinding	B007439	C007444	30500613	469,181	3,829,687	62.58	2,600	194.00	653.67	26.82	0.47	1.03		0.79
10261	1026	1	311BF101	Baghouse	Raw Mill Dosing	B007427	C007429	30500612	469,195	3,829,853	110.39	10,000	70.00	529.67	26.82	0.55	1.03		0.85
10262	1026	2	311BF103	Baghouse	Raw Mill Dosing	B007427	C007443	30500612	469,172	3,829,755	100.50	8,000	70.00	529.67	26.82	1.22	1.37		1.46
10263	1026	3	311BF110	Baghouse	Raw Mill Dosing	B007427	C007425	30500612	469,198	3,829,866	86.91	10,000	70.00	529.67	26.82	1.37	1.22		1.46
10264	1026	4	311BF111	Baghouse	Raw Mill Dosing	B007427	C007430	30500612	469,202	3,829,846	93.82	6,500	70.00	529.67	26.82	1.22	1.37		1.46
10271	1027	1	351BF510	Baghouse	Slag Storage	B007445	C007494	30500612	469,177	3,829,677	180.94	6,000	70.00	529.67	26.82	1.20	1.06		1.27

CalPortland Oro Grande Reporting Year 2019 CEIR Point :

HARP Identifiers			Stack Parameters[3, 4]							
Stack ID	**Device ID**	**Process ID**	**Horizontal or Vertical**	**Flow Rate[6] (dscfm)**	**Maximum Outlet PM10 Grain Loading from CEIR (gr/dscf)**	**Maximum Outlet PM10 Grain Loading from TV Permit (gr/dscf)**	**Maximum Outlet PM10 Grain Loading from Individual Unit Permits (gr/dscf)**	**PM10 Hourly Emission Rate from Individual Unit Permits (lb/hr)**	**Horsepower**	**Engine Particulate Control Factor (%)**	**Hours Basis**
10011	1001	1	Vertical	1,883	0.005	0.01	0.01	0.19			Raw Mill
10012	1001	2	Vertical	2,567	0.01	0.01	0.01	0.26			Raw Mill
10021	1002	1	Vertical	5,909	0.01	0.01	0.01	N/A			Plastic Grind
10031	1003	1	Vertical	5,909	0.01	0.01	0.01	N/A			Rail Loading #1
10041	1004	1	Vertical	5,909	0.01	0.01	0.01	N/A			Type III Cement Production
10051	1005	1	Vertical	7,622	0.01	0.01	0.01	0.86			New Rail Loading
10052	1005	2	Vertical	1,591	0.01	0.01	0.01	0.17			New Rail Loading
10053	1005	3	Vertical	7,622	0.01	0.01	0.01	0.86			New Rail Loading
10054	1005	4	Vertical	1,591	0.01	0.01	0.01	0.17			New Rail Loading
10061	1006	1	Vertical	7,317	0.1	0.1	0.01	0.82			Rail Loading #1
10062	1006	2	Vertical	3,811	0.1	0.1	0.01	0.43			Rail Loading #1
10063	1006	3	Vertical	3,201	0.01	0.01	0.01	0.36			Rail Loading #1
10071	1007	1	Vertical	6,002	0.1	0.1	0.01	0.68			Total Packhouse
10072	1007	2	Vertical	4,175	0.1	0.1	0.01	0.48			Total Packhouse
10073	1007	3	Vertical	6,002	0.1	0.1	0.01	0.68			Total Packhouse
10074	1007	4	Vertical	4,040	0.01	0.1	0.01	0.45			Inactive
10075	1007	5	Vertical	26,677	0.01	0.01	0.01	3			Continuous
10076	1007	6	Vertical	6,097	0.005	0.01	0.01	0.69			Total Packhouse
10081	1008	1	Vertical	2,195	0.1	0.1	0.01	0.25			Rail Loading #1
10082	1008	2	Vertical	5,175	0.1	0.1	0.01	0.58			Total Packhouse
10083	1008	3	Vertical	5,175	0.1	0.1	0.01	0.58			Total Packhouse
10084	1008	4	Vertical	5,175	0.1	0.1	0.01	0.58			Total Packhouse
10085	1008	5	Vertical	8,757	0.1	0.01	0.01	0.96			Total Packhouse
10086	1008	6	Vertical	7,956	0.01	0.01	0.01	0.86			Total Packhouse
10087	1008	7	Vertical	1,524	0.01	0.01	0.01	0.17			Total Packhouse
10088	1008	8	Vertical	1,524	0.01	0.01	0.01	0.17			Total Packhouse
10089	1008	9	Vertical	1,524	0.01	0.01	0.01	0.17			Total Packhouse
100810	1008	10	Vertical	1,524	0.01	0.01	0.01	0.17			Total Packhouse
10091	1009	1	Vertical	7,622	0.01	0.01	0.01	0.86			Total Packhouse
10092	1009	2	Vertical	13,083		0.005		0.6			Total Packhouse
10101	1010	1	Vertical	1,258	0.01	0.01	0.01	0.14			Total Packhouse
10111	1011	1	Vertical	2,387	0.01	0.01	0.01	0.34			Kiln
10121	1012	1	Vertical	3,183	0.01	0.01	0.01	0.34			Udy Bin
10122	1012	2	Vertical	4,773	0.01	0.01	0.01	0.69			Finish Mill #1
10123	1012	3	Vertical	14,338	0.01	0.01	0.01	1.71			Continuous
10124	1012	4	Vertical	4,773	0.01	0.01	0.01	0.69			Kiln
10125	1012	5	Vertical	3,580	0.01	0.01	0.01	0.51			Type III Clinker Production
10126	1012	6	Vertical	3,580	0.01	0.01	0.01	0.51			Type III Clinker Production
10127	1012	7	Vertical	4,176	0.01	0.01	0.01	0.6			Finish Mill #1
10128	1012	8	Vertical	2,387	0.01	0.01	0.01	0.34			Finish Mill #1
10131	1013	1	Vertical	2,110		0.003		0.05			Inactive
10132	1013	2	Vertical	2,447	0.1	0.1	0.01	0.27			Udy Bin
10141	1014	1	Vertical	3,851	0.01	0.01	0.01	0.39			Coal Rail Unloading
10142	1014	2	Vertical	3,851	0.01	0.01	0.01	0.39			Coal Rail Unloading
10143	1014	3	Vertical	3,851	0.01	0.01	0.01	0.39			Coal and Slag Bin
10151	1015	1	Vertical	579	0.01	0.01	0.01	0.07			Coal Mill
10161	1016	1	Vertical	6,365	0.01	0.01	0.01	0.69			Kiln
10171	1017	1	Vertical	11,544	0.1	0.01	0.01	N/A			Primary Crusher
10172	1017	2	Vertical	5,562	0.01	0.01	0.01	0.56			Primary Crusher
10181	1018	1	Vertical	18,141	0.1	0.01	0.01	1.89			Secondary Crusher #1
10182	1018	2	Vertical	18,141	0.1	0.01	0.01	1.89			Secondary Crusher #2
10183	1018	3	Vertical	3,423	0.01	0.01	0.01	0.57			Maximum of Secondary Crushers
10191	1019	1	Vertical	5,335	0.01	0.01	0.01	0.69			Finish Mill #1
10201	1020	1	Vertical	1,334	0.005	0.01	0.01	0.17			Finish Mill #1
10202	1020	2	Vertical	2,024	0.005	0.01	0.01	0.26			Finish Mill #1
10203	1020	3	Vertical	1,552	0.01	0.01	0.01	0.2			Finish Mill #1
10211	1021	1	Vertical	3,423	0.01	0.01	0.01	0.34			Finish Mill #1
10212	1021	2	Vertical	7,274	0.01	0.01	0.01	0.73			Finish Mill #1
10221	1022	1	Vertical	1,284	0.01	0.01	0.01	0.13			Lime Bin
10231	1023	1	Vertical	1,012	0.01	0.01	0.01	0.13			Kiln
10232	1023	2	Vertical	3,374	0.01	0.01	0.01	0.45			Kiln
10241	1024	1	Vertical	3,628	0.01	0.01	0.01	0.5			Kiln
10242	1024	2	Vertical	3,127	0.01	0.01	0.01	0.43			Kiln
10243	1024	3	Vertical	15,011	0.01	0.01	0.01	2.06			Kiln
10244	1024	4	Vertical	3,127	0.01	0.01	0.01	0.43			Kiln
10251	1025	1	Vertical	17,442	0.01	0.01	0.01	2.14			Raw Mill
10252	1025	2	Vertical	11,163	0.01	0.01	0.01	1.37			Raw Mill
10253	1025	3	Vertical	1,040	0.01	0.01	0.01	0.13			Raw Mill
10254	1025	4	Vertical	1,803	0.01	0.01	0.01	0.22			Raw Mill
10261	1026	1	Vertical	8,557	0.01	0.01	0.01	0.86			Raw Mill
10262	1026	2	Vertical	6,846	0.01	0.01	0.01	0.69			Raw Mill
10263	1026	3	Vertical	8,557	0.01	0.01	0.01	0.86			Raw Mill
10264	1026	4	Vertical	5,562	0.01	0.01	0.01	0.56			Raw Mill
10271	1027	1	Vertical	5,134	0.01	0.01	0.01	0.51			Kiln

CalPortland Oro Grande Reporting Year 2019 CEIR Point :

HARP Identifiers			Inputs[17, 18, 19, 20]	Emission Factors[7, 8]									PM10 Emission Rates (lb/hr)[16]				Emissions (lb/hr)[9, 10, 11, 12]							
Stack ID	Device ID	Process ID	Annual Operating Hours	PM	PM10	PM2.5	NOx	SOx	CO	VOC	Lead	Units	Value in 2016 CEIR	TV Grain Loading	Individual Unit Permit Grain Loading	Individual Unit Permit Hourly Rate	PM	PM_{10}	$PM_{2.5}$	NOx	SOx	CO	VOC	Lead
10011	1001	1	6,208.2										8.07E-02	1.61E-01	1.61E-01	1.90E-01	1.61E-01	1.61E-01	1.61E-01	0	0	0	0	4.64E-06
10012	1001	2	6,208.2										2.20E-01	2.20E-01	2.20E-01	2.60E-01	2.20E-01	2.20E-01	2.20E-01	0	0	0	0	5.21E-06
10021	1002	1	979.0										5.06E-01	5.06E-01	5.06E-01	None	5.06E-01	5.06E-01	5.06E-01	0	0	0	0	1.47E-05
10031	1003	1	2,289.1										5.06E-01	5.06E-01	5.06E-01	None	5.06E-01	5.06E-01	5.06E-01	0	0	0	0	1.47E-05
10041	1004	1	1,320.5										5.06E-01	5.06E-01	5.06E-01	None	5.06E-01	5.06E-01	5.06E-01	0	0	0	0	1.47E-05
10051	1005	1	2,289.1										6.53E-01	6.53E-01	6.53E-01	8.60E-01	6.53E-01	6.53E-01	6.53E-01	0	0	0	0	1.90E-05
10052	1005	2	2,289.1										1.36E-01	1.36E-01	1.36E-01	1.70E-01	1.36E-01	1.36E-01	1.36E-01	0	0	0	0	3.96E-06
10053	1005	3	2,289.1										6.53E-01	6.53E-01	6.53E-01	8.60E-01	6.53E-01	6.53E-01	6.53E-01	0	0	0	0	1.90E-05
10054	1005	4	2,289.1										1.36E-01	1.36E-01	1.36E-01	1.70E-01	1.36E-01	1.36E-01	1.36E-01	0	0	0	0	3.96E-06
10061	1006	1	2,289.1										6.27E+00	6.27E+00	6.27E-01	8.20E-01	6.27E+00	6.27E+00	6.27E+00	0	0	0	0	1.82E-04
10062	1006	2	2,289.1										3.27E+00	3.27E+00	3.27E-01	4.30E-01	3.27E+00	3.27E+00	3.27E+00	0	0	0	0	9.49E-05
10063	1006	3	2,289.1										2.74E-01	2.74E-01	2.74E-01	3.60E-01	2.74E-01	2.74E-01	2.74E-01	0	0	0	0	7.97E-06
10071	1007	1	8,760.0										5.14E+00	5.14E+00	5.14E-01	6.80E-01	5.14E+00	5.14E+00	5.14E+00	0	0	0	0	1.50E-04
10072	1007	2	8,760.0										3.58E+00	3.58E+00	3.58E-01	4.80E-01	3.58E+00	3.58E+00	3.58E+00	0	0	0	0	1.04E-04
10073	1007	3	8,760.0										5.14E+00	5.14E+00	5.14E-01	6.80E-01	5.14E+00	5.14E+00	5.14E+00	0	0	0	0	1.50E-04
10074	1007	4	0.0										3.46E-01	3.46E+00	3.46E-01	4.50E-01	3.46E+00	3.46E+00	3.46E+00	0	0	0	0	1.01E-04
10075	1007	5	8,760.0										2.29E+00	2.29E+00	2.29E+00	3.00E+00	2.29E+00	2.29E+00	2.29E+00	0	0	0	0	6.64E-05
10076	1007	6	8,760.0										2.61E-01	5.23E-01	5.23E-01	6.90E-01	5.23E-01	5.23E-01	5.23E-01	0	0	0	0	1.52E-05
10081	1008	1	2,289.1										1.88E+00	1.88E+00	1.88E-01	2.50E-01	1.88E+00	1.88E+00	1.88E+00	0	0	0	0	5.47E-05
10082	1008	2	8,760.0										4.44E+00	4.44E+00	4.44E-01	5.80E-01	4.44E+00	4.44E+00	4.44E+00	0	0	0	0	1.29E-04
10083	1008	3	8,760.0										4.44E+00	4.44E+00	4.44E-01	5.80E-01	4.44E+00	4.44E+00	4.44E+00	0	0	0	0	1.29E-04
10084	1008	4	8,760.0										4.44E+00	4.44E+00	4.44E-01	5.80E-01	4.44E+00	4.44E+00	4.44E+00	0	0	0	0	1.29E-04
10085	1008	5	8,760.0										7.51E+00	7.51E-01	7.51E-01	9.60E-01	7.51E-01	7.51E-01	7.51E-01	0	0	0	0	2.18E-05
10086	1008	6	8,760.0										6.82E-01	6.82E-01	6.82E-01	8.60E-01	6.82E-01	6.82E-01	6.82E-01	0	0	0	0	1.98E-05
10087	1008	7	8,760.0										1.31E-01	1.31E-01	1.31E-01	1.70E-01	1.31E-01	1.31E-01	1.31E-01	0	0	0	0	3.80E-06
10088	1008	8	8,760.0										1.31E-01	1.31E-01	1.31E-01	1.70E-01	1.31E-01	1.31E-01	1.31E-01	0	0	0	0	3.80E-06
10089	1008	9	8,760.0										1.31E-01	1.31E-01	1.31E-01	1.70E-01	1.31E-01	1.31E-01	1.31E-01	0	0	0	0	3.80E-06
100810	1008	10	8,760.0										1.31E-01	1.31E-01	1.31E-01	1.70E-01	1.31E-01	1.31E-01	1.31E-01	0	0	0	0	3.80E-06
10091	1009	1	8,760.0										6.53E-01	6.53E-01	6.53E-01	8.60E-01	6.53E-01	6.53E-01	6.53E-01	0	0	0	0	3.65E-05
10092	1009	2	8,760.0										0.00E+00	5.61E-01	0.00E+00	6.00E-01	5.61E-01	5.61E-01	5.61E-01	0	0	0	0	3.13E-05
10101	1010	1	8,760.0										1.08E-01	1.08E-01	1.08E-01	1.40E-01	1.08E-01	1.08E-01	1.08E-01	0	0	0	0	6.03E-06
10111	1011	1	6,471.3										2.05E-01	2.05E-01	2.05E-01	3.40E-01	2.05E-01	2.05E-01	2.05E-01	0	0	0	0	1.11E-05
10121	1012	1	297.0										2.73E-01	2.73E-01	2.73E-01	3.40E-01	2.73E-01	2.73E-01	2.73E-01	0	0	0	0	1.48E-05
10122	1012	2	6,043.4										4.09E-01	4.09E-01	4.09E-01	6.90E-01	4.09E-01	4.09E-01	4.09E-01	0	0	0	0	2.21E-05
10123	1012	3	8,760.0										1.23E+00	1.23E+00	1.23E+00	1.71E+00	1.23E+00	1.23E+00	1.23E+00	0	0	0	0	6.65E-05
10124	1012	4	6,471.3										4.09E-01	4.09E-01	4.09E-01	6.90E-01	4.09E-01	4.09E-01	4.09E-01	0	0	0	0	2.21E-05
10125	1012	5	1,124.0										3.07E-01	3.07E-01	3.07E-01	5.10E-01	3.07E-01	3.07E-01	3.07E-01	0	0	0	0	1.66E-05
10126	1012	6	1,124.0										3.07E-01	3.07E-01	3.07E-01	5.10E-01	3.07E-01	3.07E-01	3.07E-01	0	0	0	0	1.66E-05
10127	1012	7	6,043.4										3.58E-01	3.58E-01	3.58E-01	6.00E-01	3.58E-01	3.58E-01	3.58E-01	0	0	0	0	1.94E-05
10128	1012	8	6,043.4										2.05E-01	2.05E-01	2.05E-01	3.40E-01	2.05E-01	2.05E-01	2.05E-01	0	0	0	0	1.47E-05
10131	1013	1	0.0										0.00E+00	5.43E-02	0.00E+00	5.00E-02	5.43E-02	5.43E-02	5.43E-02	0	0	0	0	2.94E-06
10132	1013	2	297.0										2.10E+00	2.10E+00	2.10E-01	2.70E-01	2.10E+00	2.10E+00	2.10E+00	0	0	0	0	1.14E-04
10141	1014	1	1,081.8										3.30E-01	3.30E-01	3.30E-01	3.90E-01	3.30E-01	3.30E-01	3.30E-01	0	0	0	0	6.39E-07
10142	1014	2	1,081.8										3.30E-01	3.30E-01	3.30E-01	3.90E-01	3.30E-01	3.30E-01	3.30E-01	0	0	0	0	6.39E-07
10143	1014	3	8,045.7										3.30E-01	3.30E-01	3.30E-01	3.90E-01	3.30E-01	3.30E-01	3.30E-01	0	0	0	0	2.79E-06
10151	1015	1	6,495.2										4.96E-02	4.96E-02	4.96E-02	7.00E-02	4.96E-02	4.96E-02	4.96E-02	0	0	0	0	4.56E-07
10161	1016	1	6,471.3										5.46E-01	5.46E-01	5.46E-01	6.90E-01	5.46E-01	5.46E-01	5.46E-01	0	0	0	0	4.61E-06
10171	1017	1	2,410.5										9.90E+00	9.90E-01	9.90E-01	None	9.90E-01	9.90E-01	9.90E-01	0	0	0	0	1.39E-04
10172	1017	2	2,410.5										4.77E-01	4.77E-01	4.77E-01	5.60E-01	4.77E-01	4.77E-01	4.77E-01	0	0	0	0	6.69E-05
10181	1018	1	2,266.2										1.55E+01	1.55E+00	1.55E+00	1.89E+00	1.55E+00	1.55E+00	1.55E+00	0	0	0	0	2.18E-04
10182	1018	2	2,333.0										1.55E+01	1.55E+00	1.55E+00	1.89E+00	1.55E+00	1.55E+00	1.55E+00	0	0	0	0	2.18E-04
10183	1018	3	2,333.0										2.93E-01	2.93E-01	2.93E-01	5.70E-01	2.93E-01	2.93E-01	2.93E-01	0	0	0	0	4.12E-05
10191	1019	1	6,043.4										4.57E-01	4.57E-01	4.57E-01	6.90E-01	4.57E-01	4.57E-01	4.57E-01	0	0	0	0	1.28E-05
10201	1020	1	6,043.4										5.72E-02	1.14E-01	1.14E-01	1.70E-01	1.14E-01	1.14E-01	1.14E-01	0	0	0	0	3.32E-06
10202	1020	2	6,043.4										8.68E-02	1.74E-01	1.74E-01	2.60E-01	1.74E-01	1.74E-01	1.74E-01	0	0	0	0	5.04E-06
10203	1020	3	6,043.4										1.33E-01	1.33E-01	1.33E-01	2.00E-01	1.33E-01	1.33E-01	1.33E-01	0	0	0	0	3.87E-06
10211	1021	1	6,043.4										2.93E-01	2.93E-01	2.93E-01	3.40E-01	2.93E-01	2.93E-01	2.93E-01	0	0	0	0	5.27E-06
10212	1021	2	6,043.4										6.23E-01	6.23E-01	6.23E-01	7.30E-01	6.23E-01	6.23E-01	6.23E-01	0	0	0	0	1.12E-05
10221	1022	1	64.5										1.10E-01	1.10E-01	1.10E-01	1.30E-01	1.10E-01	1.10E-01	1.10E-01	0	0	0	0	3.16E-06
10231	1023	1	6,471.3										8.68E-02	8.68E-02	8.68E-02	1.30E-01	8.68E-02	8.68E-02	8.68E-02	0	0	0	0	2.57E-06
10232	1023	2	6,471.3										2.89E-01	2.89E-01	2.89E-01	4.50E-01	2.89E-01	2.89E-01	2.89E-01	0	0	0	0	8.57E-06
10241	1024	1	6,471.3										3.11E-01	3.11E-01	3.11E-01	5.00E-01	3.11E-01	3.11E-01	3.11E-01	0	0	0	0	9.21E-06
10242	1024	2	6,471.3										2.68E-01	2.68E-01	2.68E-01	4.30E-01	2.68E-01	2.68E-01	2.68E-01	0	0	0	0	2.79E-05
10243	1024	3	6,471.3										1.29E+00	1.29E+00	1.29E+00	2.06E+00	1.29E+00	1.29E+00	1.29E+00	0	0	0	0	3.81E-05
10244	1024	4	6,471.3										2.68E-01	2.68E-01	2.68E-01	4.30E-01	2.68E-01	2.68E-01	2.68E-01	0	0	0	0	7.94E-06
10251	1025	1	6,208.2										1.49E+00	1.49E+00	1.49E+00	2.14E+00	1.49E+00	1.49E+00	1.49E+00	0	0	0	0	4.43E-05
10252	1025	2	6,208.2										9.57E-01	9.57E-01	9.57E-01	1.37E+00	9.57E-01	9.57E-01	9.57E-01	0	0	0	0	2.84E-05
10253	1025	3	6,208.2										8.92E-02	8.92E-02	8.92E-02	1.30E-01	8.92E-02	8.92E-02	8.92E-02	0	0	0	0	2.64E-06
10254	1025	4	6,208.2										1.55E-01	1.55E-01	1.55E-01	2.20E-01	1.55E-01	1.55E-01	1.55E-01	0	0	0	0	4.58E-06
10261	1026	1	6,208.2										7.33E-01	7.33E-01	7.33E-01	8.60E-01	7.33E-01	7.33E-01	7.33E-01	0	0	0	0	1.74E-05
10262	1026	2	6,208.2										5.87E-01	5.87E-01	5.87E-01	6.90E-01	5.87E-01	5.87E-01	5.87E-01	0	0	0	0	1.74E-05
10263	1026	3	6,208.2										7.33E-01	7.33E-01	7.33E-01	8.60E-01	7.33E-01	7.33E-01	7.33E-01	0	0	0	0	1.03E-04
10264	1026	4	6,208.2										4.77E-01	4.77E-01	4.77E-01	5.60E-01	4.77E-01	4.77E-01	4.77E-01	0	0	0	0	9.96E-06
10271	1027	1	6,471.3										4.40E-01	4.40E-01	4.40E-01	5.10E-01	4.40E-01	4.40E-01	4.40E-01	0	0	0	0	2.25E-05

CalPortland Oro Grande Reporting Year 2019 CEIR Point :

HARP Identifiers			Emissions (tpy)[13, 14]								Standard Conditions and Constants[15]			Unit Conversions					
Stack ID	Device ID	Process ID	PM	PM_{10}	$PM_{2.5}$	NOx	SOx	CO	VOC	Lead	Moisture Content Ambient Air (%)	Standard Pressure (inHg)	Standard Temperature (Rankine)	0°F in Rankine	gr/lb	min/hr	lb/kg	g/lb	mg/g
10011	1001	1	5.01E-01	0.50	5.01E-01	0	0	0	0	1.44E-05	2.7	29.92	519.67	459.67	7,000	60	2.2	453.592	1,000
10012	1001	2	6.83E-01	6.83E-01	6.83E-01	0	0	0	0	1.62E-05									
10021	1002	1	2.48E-01	2.48E-01	2.48E-01	0	0	0	0	7.21E-06									
10031	1003	1	5.80E-01	5.80E-01	5.80E-01	0	0	0	0	1.68E-05									
10041	1004	1	3.34E-01	3.34E-01	3.34E-01	0	0	0	0	9.72E-06									
10051	1005	1	7.48E-01	7.48E-01	7.48E-01	0	0	0	0	2.17E-05									
10052	1005	2	1.56E-01	1.56E-01	1.56E-01	0	0	0	0	4.54E-06									
10053	1005	3	7.48E-01	7.48E-01	7.48E-01	0	0	0	0	2.17E-05									
10054	1005	4	1.56E-01	1.56E-01	1.56E-01	0	0	0	0	4.54E-06									
10061	1006	1	7.18E+00	7.18	7.18E+00	0	0	0	0	2.09E-04									
10062	1006	2	3.74E+00	3.74E+00	3.74E+00	0	0	0	0	1.09E-04									
10063	1006	3	3.14E-01	3.14E-01	3.14E-01	0	0	0	0	9.13E-06									
10071	1007	1	2.25E+01	2.25E+01	2.25E+01	0	0	0	0	6.55E-04									
10072	1007	2	1.57E+01	15.67	1.57E+01	0	0	0	0	4.56E-04									
10073	1007	3	2.25E+01	22.53	2.25E+01	0	0	0	0	6.55E-04									
10074	1007	4	0.00E+00	0.00	0.00E+00	0	0	0	0	0.00E+00									
10075	1007	5	1.00E+01	1.00E+01	1.00E+01	0	0	0	0	2.91E-04									
10076	1007	6	2.29E+00	2.29	2.29E+00	0	0	0	0	6.65E-05									
10081	1008	1	2.15E+00	2.15	2.15E+00	0	0	0	0	6.26E-05									
10082	1008	2	1.94E+01	19.43	1.94E+01	0	0	0	0	5.65E-04									
10083	1008	3	1.94E+01	19.43	1.94E+01	0	0	0	0	5.65E-04									
10084	1008	4	1.94E+01	19.43	1.94E+01	0	0	0	0	5.65E-04									
10085	1008	5	3.29E+00	3.29E+00	3.29E+00	0	0	0	0	9.55E-05									
10086	1008	6	2.99E+00	2.99E+00	2.99E+00	0	0	0	0	8.68E-05									
10087	1008	7	5.72E-01	5.72E-01	5.72E-01	0	0	0	0	1.66E-05									
10088	1008	8	5.72E-01	5.72E-01	5.72E-01	0	0	0	0	1.66E-05									
10089	1008	9	5.72E-01	5.72E-01	5.72E-01	0	0	0	0	1.66E-05									
100810	1008	10	5.72E-01	5.72E-01	5.72E-01	0	0	0	0	1.66E-05									
10091	1009	1	2.86E+00	2.86E+00	2.86E+00	0	0	0	0	1.60E-04									
10092	1009	2	2.46E+00	2.46	2.46E+00	0	0	0	0	1.37E-04									
10101	1010	1	4.72E-01	4.72E-01	4.72E-01	0	0	0	0	2.64E-05									
10111	1011	1	6.62E-01	6.62E-01	6.62E-01	0	0	0	0	3.58E-05									
10121	1012	1	4.05E-02	4.05E-02	4.05E-02	0	0	0	0	2.19E-06									
10122	1012	2	1.24E+00	1.24E+00	1.24E+00	0	0	0	0	6.69E-05									
10123	1012	3	5.38E+00	5.38E+00	5.38E+00	0	0	0	0	2.91E-04									
10124	1012	4	1.32E+00	1.32E+00	1.32E+00	0	0	0	0	7.16E-05									
10125	1012	5	1.72E-01	1.72E-01	1.72E-01	0	0	0	0	9.33E-06									
10126	1012	6	1.72E-01	1.72E-01	1.72E-01	0	0	0	0	9.33E-06									
10127	1012	7	1.08E+00	1.08E+00	1.08E+00	0	0	0	0	5.85E-05									
10128	1012	8	6.18E-01	6.18E-01	6.18E-01	0	0	0	0	4.44E-05									
10131	1013	1	0.00E+00	0.00	0.00E+00	0	0	0	0	0.00E+00									
10132	1013	2	3.12E-01	0.31	3.12E-01	0	0	0	0	1.69E-05									
10141	1014	1	1.79E-01	1.79E-01	1.79E-01	0	0	0	0	3.46E-07									
10142	1014	2	1.79E-01	1.79E-01	1.79E-01	0	0	0	0	3.46E-07									
10143	1014	3	1.33E+00	1.33E+00	1.33E+00	0	0	0	0	1.12E-05									
10151	1015	1	1.61E-01	1.61E-01	1.61E-01	0	0	0	0	1.48E-06									
10161	1016	1	1.77E+00	1.77E+00	1.77E+00	0	0	0	0	1.49E-05									
10171	1017	1	1.19E+00	1.19E+00	1.19E+00	0	0	0	0	1.67E-04									
10172	1017	2	5.75E-01	5.75E-01	5.75E-01	0	0	0	0	8.06E-05									
10181	1018	1	1.76E+00	1.76E+00	1.76E+00	0	0	0	0	2.47E-04									
10182	1018	2	1.81E+00	1.81E+00	1.81E+00	0	0	0	0	2.54E-04									
10183	1018	3	3.42E-01	3.42E-01	3.42E-01	0	0	0	0	4.80E-05									
10191	1019	1	1.38E+00	1.38E+00	1.38E+00	0	0	0	0	3.87E-05									
10201	1020	1	3.45E-01	0.35	3.45E-01	0	0	0	0	1.00E-05									
10202	1020	2	5.24E-01	0.52	5.24E-01	0	0	0	0	1.52E-05									
10203	1020	3	4.02E-01	4.02E-01	4.02E-01	0	0	0	0	1.17E-05									
10211	1021	1	8.87E-01	8.87E-01	8.87E-01	0	0	0	0	1.59E-05									
10212	1021	2	1.88E+00	1.88E+00	1.88E+00	0	0	0	0	3.38E-05									
10221	1022	1	3.55E-03	3.55E-03	3.55E-03	0	0	0	0	1.02E-07									
10231	1023	1	2.81E-01	2.81E-01	2.81E-01	0	0	0	0	8.32E-06									
10232	1023	2	9.36E-01	9.36E-01	9.36E-01	0	0	0	0	2.77E-05									
10241	1024	1	1.01E+00	1.01E+00	1.01E+00	0	0	0	0	2.98E-05									
10242	1024	2	8.67E-01	8.67E-01	8.67E-01	0	0	0	0	9.04E-05									
10243	1024	3	4.16E+00	4.16E+00	4.16E+00	0	0	0	0	1.23E-04									
10244	1024	4	8.67E-01	8.67E-01	8.67E-01	0	0	0	0	2.57E-05									
10251	1025	1	4.64E+00	4.64E+00	4.64E+00	0	0	0	0	1.38E-04									
10252	1025	2	2.97E+00	2.97E+00	2.97E+00	0	0	0	0	8.80E-05									
10253	1025	3	2.77E-01	2.77E-01	2.77E-01	0	0	0	0	8.20E-06									
10254	1025	4	4.80E-01	4.80E-01	4.80E-01	0	0	0	0	1.42E-05									
10261	1026	1	2.28E+00	2.28E+00	2.28E+00	0	0	0	0	5.40E-05									
10262	1026	2	1.82E+00	1.82E+00	1.82E+00	0	0	0	0	5.40E-05									
10263	1026	3	2.28E+00	2.28E+00	2.28E+00	0	0	0	0	3.19E-04									
10264	1026	4	1.48E+00	1.48E+00	1.48E+00	0	0	0	0	3.09E-05									
10271	1027	1	1.42E+00	1.42E+00	1.42E+00	0	0	0	0	7.28E-05									

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HARP Identifiers			Facility Information[1,2]															
Stack ID	Device ID	Process ID	Facility ID Number	Type	Device Name	Process Permit Number	Device Permit Number	SCC	UTMX[5] (m)	UTMY[5] (m)	Height (ft)	Actual Flow Rate (acfm)	Temperature (Fahrenheit)	Temperature (Rankine)	Pressure (inHg)	Baghouse Stack Length (ft)	Baghouse Stack Width (ft)	Baghouse Stack Diameter (in)	Diameter or Effective Diameter (ft)
10281	1028	1	441BF550	Baghouse	Clinker Handling	B007435	C007412	30500616	469,127	3,829,544	200.30	356,000	275.00						12.50
10291	1029	1	461BF400	Baghouse	Coal Grinding	B007481	C007495	30500621	469,191	3,829,651	147.20	52,150	167.00						6.29
10301	1030	1	531BF200	Baghouse	Finish Mill #1	B007471	C007468	30500627	469,048	3,829,378	153.30	200,000	185.00						10.00
10302	1030	2	531BF300	Baghouse	Finish Mill #1	B007471	C007475	30500627	469,048	3,829,378	153.30	55,000	210.00						10.00
10311	1031	1	331BF101	Baghouse	Kiln & Mill	B007435	C007411	30500623	469,222	3,829,676	373.06	627,000	307.00						13.50
10341	1034	1	613BF301	Baghouse	Cardinal Scale Bulk Cement Truck Loadout	B012929	C012927	30500618	468,838	3,829,461	32.83	3,000	60.00	519.67	26.82				0.67
10342	1034	2	613BF302	Baghouse	Cardinal Scale Bulk Cement Truck Loadout	B012929	C012928	30500618	468,832	3,829,468	37.75	3,000	60.00	519.67	26.82				0.67
10351	1035	1	551BF101	Baghouse	Finish Mill #2 - Storage and Feed Bins	T007433	C013001	30500629				4,002	400.00	859.67	26.82				
10352	1035	2	551BF102	Baghouse	Finish Mill #2 - Storage and Feed Bins	T007433	C013002	30500629				4,002	400.00	859.67	26.82				
10353	1035	3	551BF103	Baghouse	Finish Mill #2 - Storage and Feed Bins	T007433	C013003	30500629				4,002	400.00	859.67	26.82				
10354	1035	4	551BF104	Baghouse	Finish Mill #2 - Storage and Feed Bins	T007433	C013004	30500629				4,002	400.00	859.67	26.82				
10355	1035	5	571BF101	Baghouse	Finish Mill #2	B007466	C013005	30500629				4,002	275.00	734.67	26.82				
10356	1035	6	571BF102	Baghouse	Finish Mill #2	B007466	C013006	30500627				4,002	275.00	734.67	26.82				
10357	1035	7	571BF103	Baghouse	Finish Mill #2	B007466	C013008	30500627				3,002	275.00	734.67	26.82				
10358	1035	8	571BF104	Baghouse	Finish Mill #2	B007466	C013009	30500627				3,002	275.00	734.67	26.82				
10359	1035	9	571BF200	Baghouse	Finish Mill #2	B007466	C013007	30500627				200,000	190.00	649.67	26.82				
103510	1035	10	571BF300	Baghouse	Finish Mill #2	B007466	C013010	30500627				55,000	212.00	671.67	26.82				
103511	1035	11	472BF101	Baghouse	Finish Mill #2 - Additive Conveying System	B012999	C013000	30500629				1,000	60.00	519.67	26.82				
10361	1036	1	661BF726	Baghouse	Truck Loadout	T013016	C013011	30500618				10,000	180.00	639.67	26.82				
10362	1036	2	661BF751	Baghouse	Truck Loadout	B013017	C013012	30500618				3,000	60.00	519.67	26.82				
10363	1036	3	661BF761	Baghouse	Truck Loadout	B013017	C013013	30500618				3,000	60.00	519.67	26.82				
10364	1036	4	661BF851	Baghouse	Truck Loadout	B013017	C013014	30500618				3,000	60.00	519.67	26.82				
10365	1036	5	661BF861	Baghouse	Truck Loadout	B013017	C013015	30500618				3,000	60.00	519.67	26.82				
10321	1032	1	N/A	Engine	Fire Pump Engine	N/A	E009750	30500699	469,316	3,829,466	16.25	1,345	900.00						0.42
10331	1033	1	N/A	Engine	Emergency Generator Engine	N/A	E009742	30500699	469,180	3,829,606	19.05	14,920	893.00						1.50

1. Facility information for baghouses from the 2017 CEIR and updated for 2018. Note that Baghouse 511BF051 was replaced in 2018. The equipment specifications for this unit represent the replacement unit. However, this baghouse did not operate in 2018.
2. Facility information for engines from Device_Process tab of 2016 CEIR spreadsheet
3. Stack Parameters for baghouses from Calc_Baghouse tab of 2016 CEIR spreadsheet except for grain loading and lb/hr PM10 emission rates which come from the Federal Operating permit and Individual Unit MDAQMD permits
4. Stack Parameters for engines from Stacks tab of 2016 CEIR spreadsheet
5. UTM coordinates converted from km to m from Calc_Baghouse tab of 2016 CEIR spreadsheet for baghouses prior to 2018. For Baghouses installed after 2018, coordinates are from site information and permit applications.
6. Flow Rate (dscfm) = Flow Rate (acfm) x Standard Temperature (Rankine) / Actual Temperature (Rankine) x Actual Pressure (psia) / Standard Pressure (psia) x (1-Moisture Percent/100) per Column AE Calc_Baghouse tab of 2016 CEIR spreadsheet
7. Emission Factors for the diesel engines come from AP-42 (10/96) Table 3.3-1 and Table 3.4-1. SOx emission factor assumes 0.0015% sulfur.
8. Emission Factors for the gasoline engine comes from AP-42 (10/96) Table 3.3.1
9. PM10 Emissions calculated as the minimum value from either a grain loading or lb/hr permit limit. For grain loading calculations, PM10 Emission (lb/hr) = Flow Rate (dscfm) x Maximum Outlet Grain Loading (gr/dscfm) / 7,000 (gr/lb) x 60 (min/hr).
Lead Emissions (lb/hr) = PM Emissions (lb/hr) / 2.2 (lb/kg) x Lead Concentration (mg Pb/kg PM) / 1,000 (mg/kg) / 453.592 (g/lb)
10. PM and PM2.5 Emissions (lb/hr) are assumed to be equal to PM emissions.
11. Emissions for Baghouses 441BF550, 461BF400, 531BF300, and 331BF101 from Kiln tab (see Kiln tab for calculations)
12. Engine Emissions (lb/hr) = Emission Factor (lb/hp-hr) x hp x (1 - Control Factor/100); Control factor is only used for particulate emissions.
13. Baghouses (except those listed in footnote 14) and Engine Annual Emissions (tpy) = Hourly Emissions (lb/hr) x Annual Operating Hours (hours) / 2,000 (lb/ton)
14. Emissions for Baghouses 441BF550, 461BF400, 531BF300, and 331BF101 from Kiln tab (see Kiln tab for calculations)
15. Standard Conditions from rows 13-16 of the Reference tab of the 2016 CEIR spreadsheet
16. Multiple emission rates are calculated to account for various permit limits. The most stringent permit limit is chosen for the calculation because no permit limit may be violated.
17. Udy Bin Operating Hours are calculated as Tons of Clinker Sold (tons) / Maximum Hourly Throughput (tons/hr) as Udy Bin hours are not tracked.
18. Baghouse 121BF103 operating hours are assumed to be the maximum of either the Secondary Crusher #1 or #2 per call with Desirea Haggard on 2/26/2018.
19. Rail Loading and New Rail Loading #1 Operating Hours = Tons of Cement Sold (tons) x Fraction of Cement Loaded on Rail / Tons of Cement per Railcar x Time to Load 1 Railcar (hrs/railcar)
20. Total Packhouse (hrs) = Rail Loading (hrs) + Tons Cement Sold (tons) x Fraction of Cement Loaded on Trucks / Tons of Cement per Truck x Time to Load 1 Truck (hrs/truck) + Tons of Clinker Sold (tons) / Tons of Clinker per Truck x Time to Load 1 Truck (hrs/truck) + Udy Bin Hours
21. Operating hours for baghouses installed in 2018 are based on facility operating records

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HARP Identifiers				Stack Parameters[3, 4]							
Stack ID	Device ID	Process ID	Horizontal or Vertical	Flow Rate[6] (dscfm)	Maximum Outlet PM10 Grain Loading from CEIR (gr/dscf)	Maximum Outlet PM10 Grain Loading from TV Permit (gr/dscf)	Maximum Outlet PM10 Grain Loading from Individual Unit Permits (gr/dscf)	PM10 Hourly Emission Rate from Individual Unit Permits (lb/hr)	Horsepower	Engine Particulate Control Factor (%)	Hours Basis
10281	1028	1	Vertical								
10291	1029	1	Vertical								
10301	1030	1	Vertical								
10302	1030	2	Vertical								
10311	1031	1	Vertical								
10341	1034	1	Vertical	2,617		0.005		0.13			Cardinal Scale
10342	1034	2	Vertical	2,617		0.005		0.13			Cardinal Scale
10351	1035	1	Vertical	2,110		0.003		0.05			Finish Mill #2
10352	1035	2	Vertical	2,110		0.003		0.05			Finish Mill #2
10353	1035	3	Vertical	2,110		0.003		0.05			Finish Mill #2
10354	1035	4	Vertical	2,110		0.003		0.05			Finish Mill #2
10355	1035	5	Vertical	2,469		0.003		0.06			Finish Mill #2
10356	1035	6	Vertical	2,469		0.003		0.06			Finish Mill #2
10357	1035	7	Vertical	1,852		0.003		0.05			Finish Mill #2
10358	1035	8	Vertical	1,852		0.003		0.05			Finish Mill #2
10359	1035	9	Vertical	139,532		0.003		3.59			Finish Mill #2
103510	1035	10	Vertical	37,115		0.003		0.95			Finish Mill #2
103511	1035	11	Vertical	872		0.003		0.02			Finish Mill #2 - Additive Conveying Sys
10361	1036	1	Vertical	7,086		0.005		0.3			Finish Mill #2 Truck Loadout
10362	1036	2	Vertical	2,617		0.005		0.11			Finish Mill #2 Truck Loadout
10363	1036	3	Vertical	2,617		0.005		0.11			Finish Mill #2 Truck Loadout
10364	1036	4	Vertical	2,617		0.005		0.11			Finish Mill #2 Truck Loadout
10365	1036	5	Vertical	2,617		0.005		0.11			Finish Mill #2 Truck Loadout
10321	1032	1	Vertical						240	0	Fire Pump Engine
10331	1033	1	Vertical						2922	85	Emergency Generator Engine

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HARP Identifiers			Inputs[17, 18, 19, 20]	Emission Factors[7, 8]									PM10 Emission Rates (lb/hr)[16]				Emissions (lb/hr)[9, 10, 11, 12]							
Stack ID	Device ID	Process ID	Annual Operating Hours	PM	PM10	PM2.5	NOx	SOx	CO	VOC	Lead	Units	Value in 2016 CEIR	TV Grain Loading	Individual Unit Permit Grain Loading	Individual Unit Permit Hourly Rate	PM	PM_{10}	$PM_{2.5}$	NOx	SOx	CO	VOC	Lead
10281	1028	1															2.88E+00	2.88E+00	1.63E+00	0	0	0	0	1.20E-03
10291	1029	1															6.31E-01	6.31E-01	6.31E-01	0	0	0	0	1.22E-06
10301	1030	1															1.14E+01	1.14E+01	1.14E+01	0	0	0	0	3.31E-04
10302	1030	2															0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0.00E+00
10311	1031	1															5.69E+00	5.69E+00	4.96E+00	5.36E+02	2.02E+00	8.72E+01	1.64E+00	7.85E-04
10341	1034	1	2,190.0										0	0.11213844	0	0.13	1.12E-01	1.12E-01	1.12E-01	0	0	0	0	3.26E-06
10342	1034	2	2,190.0										0	0.11213844	0	0.13	1.12E-01	1.12E-01	1.12E-01	0	0	0	0	3.26E-06
10351	1035	1	4,042.8										0	0.05425721	0	0.05	5.00E-02	5.00E-02	5.00E-02	0	0	0	0	3.59E-06
10352	1035	2	4,042.8										0	0.05425721	0	0.05	5.00E-02	5.00E-02	5.00E-02	0	0	0	0	3.59E-06
10353	1035	3	4,042.8										0	0.05425721	0	0.05	5.00E-02	5.00E-02	5.00E-02	0	0	0	0	0.00E+00
10354	1035	4	4,042.8										0	0.05425721	0	0.05	5.00E-02	5.00E-02	5.00E-02	0	0	0	0	1.44E-06
10355	1035	5	4,042.8										0	0.06348877	0	0.06	6.00E-02	6.00E-02	6.00E-02	0	0	0	0	1.08E-06
10356	1035	6	4,042.8										0	0.06348877	0	0.06	6.00E-02	6.00E-02	6.00E-02	0	0	0	0	1.74E-06
10357	1035	7	4,042.8										0	0.04762451	0	0.05	4.76E-02	4.76E-02	4.76E-02	0	0	0	0	1.38E-06
10358	1035	8	4,042.8										0	0.04762451	0	0.05	4.76E-02	4.76E-02	4.76E-02	0	0	0	0	1.38E-06
10359	1035	9	4,042.8										0	3.58797426	0	3.59	3.59E+00	3.59E+00	3.59E+00	0	0	0	0	1.04E-04
103510	1035	10	4,042.8										0	0.9543746	0	0.95	9.50E-01	9.50E-01	9.50E-01	0	0	0	0	2.76E-05
103511	1035	11	1,018.0										0	0.02242769	0	0.02	2.00E-02	2.00E-02	2.00E-02	0	0	0	0	5.75E-07
10361	1036	1	1,222.0										0	0.30367211	0	0.3	3.00E-01	3.00E-01	3.00E-01	0	0	0	0	8.72E-06
10362	1036	2	1,222.0										0	0.11213844	0	0.11	1.10E-01	1.10E-01	1.10E-01	0	0	0	0	3.20E-06
10363	1036	3	1,222.0										0	0.11213844	0	0.11	1.10E-01	1.10E-01	1.10E-01	0	0	0	0	3.20E-06
10364	1036	4	1,222.0										0	0.11213844	0	0.11	1.10E-01	1.10E-01	1.10E-01	0	0	0	0	3.20E-06
10365	1036	5	1,222.0										0	0.11213844	0	0.11	1.10E-01	1.10E-01	1.10E-01	0	0	0	0	3.20E-06
10321	1032	1	22.1	2.20E-03	2.20E-03	2.20E-03	3.10E-02	1.21E-05	6.68E-03	2.47E-03	0	lb/hp-hr					5.28E-01	5.28E-01	5.28E-01	7.44E+00	2.91E-03	1.60E+00	5.93E-01	0.00E+00
10331	1033	1	0.8	7.00E-03	7.00E-03	7.00E-03	2.40E-02	1.21E-05	5.50E-03	7.05E-04	0	lb/hp-hr					3.07E+00	3.07E+00	3.07E+00	7.01E+01	3.55E-02	1.61E+01	2.06E+00	0.00E+00

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HARP Identifiers			Emissions (tpy)[13, 14]								Standard Conditions and Constants[15]			Unit Conversions					
Stack ID	Device ID	Process ID	PM	PM_{10}	$PM_{2.5}$	NOx	SOx	CO	VOC	Lead	Moisture Content Ambient Air (%)	Standard Pressure (inHg)	Standard Temperature (Rankine)	0°F in Rankine	gr/lb	min/hr	lb/kg	g/lb	mg/g
10281	1028	1	9.32E+00	9.32E+00	5.27E+00	0	0	0	0	3.88E-03									
10291	1029	1	2.05E+00	2.05E+00	2.05E+00	0	0	0	0	3.96E-06									
10301	1030	1	3.44E+01	3.44E+01	3.44E+01	0	0	0	0	9.99E-04									
10302	1030	2	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0.00E+00									
10311	1031	1	6.55E+00	6.55E+00	2.99E+00	1.73E+03	6.54E+00	2.82E+02	5.31E+00	2.54E-03									
10341	1034	1	1.23E-01	1.23E-01	1.23E-01	0	0	0	0	3.57E-06									
10342	1034	2	1.23E-01	1.23E-01	1.23E-01	0	0	0	0	3.57E-06									
10351	1035	1	1.01E-01	1.01E-01	1.01E-01	0	0	0	0	7.26E-06									
10352	1035	2	1.01E-01	1.01E-01	1.01E-01	0	0	0	0	7.26E-06									
10353	1035	3	1.01E-01	1.01E-01	1.01E-01	0	0	0	0	0.00E+00									
10354	1035	4	1.01E-01	1.01E-01	1.01E-01	0	0	0	0	2.90E-06									
10355	1035	5	1.21E-01	1.21E-01	1.21E-01	0	0	0	0	2.18E-06									
10356	1035	6	1.21E-01	1.21E-01	1.21E-01	0	0	0	0	3.52E-06									
10357	1035	7	9.63E-02	9.63E-02	9.63E-02	0	0	0	0	2.80E-06									
10358	1035	8	9.63E-02	9.63E-02	9.63E-02	0	0	0	0	2.80E-06									
10359	1035	9	7.25E+00	7.25E+00	7.25E+00	0	0	0	0	2.11E-04									
103510	1035	10	1.92E+00	1.92E+00	1.92E+00	0	0	0	0	5.58E-05									
103511	1035	11	1.02E-02	1.02E-02	1.02E-02	0	0	0	0	2.92E-07									
10361	1036	1	1.83E-01	1.83E-01	1.83E-01	0	0	0	0	5.33E-06									
10362	1036	2	6.72E-02	6.72E-02	6.72E-02	0	0	0	0	1.95E-06									
10363	1036	3	6.72E-02	6.72E-02	6.72E-02	0	0	0	0	1.95E-06									
10364	1036	4	6.72E-02	6.72E-02	6.72E-02	0	0	0	0	1.95E-06									
10365	1036	5	6.72E-02	6.72E-02	6.72E-02	0	0	0	0	1.95E-06									
10321	1032	1	5.83E-03	5.83E-03	5.83E-03	8.22E-02	3.22E-05	1.77E-02	6.55E-03	0.00E+00									
10331	1033	1	1.27E-03	1.27E-03	1.27E-03	2.91E-02	1.47E-05	6.67E-03	8.55E-04	0.00E+00									

CalPortland Oro Grande Reporting Year 2019 CEIR Area Source Emissions Summary

HARP Identifiers			Facility Information[1, 2]						
Stack ID	Device ID	Process ID	Type	Description	Product Code	Node	SCC	UTMX (m)	UTMY (m)
20011	2001	1	Pile	Aluminium Filter Cake 138			30500608	469,833	3,829,942
20021	2002	1	Pile	ASB Bauxite & Clay Blend Stockpile 036	ASB-21-BLEND/ASB-21-CLAYBLEND		30500608	469,526	3,829,890
20031	2003	1	Pile	ASB Iron Ore Stockpile 036	ASB-IRON		30500608	469,526	3,829,890
20041	2004	1	Pile	CKD Dump Stockpile 039			30500608	471,128	3,830,212
20051	2005	1	Pile	Clinker IA Quarry			30500608	471,511	3,831,912
20061	2006	1	Pile	Clinker Mixed Stockpile 1 02			30500608	469,628	3,829,939
20071	2007	1	Pile	Crusher Clinker			30500608	469,721	3,830,224
20081	2008	1	Pile	Dock Limestone Stockpile 139			30500608	469,646	3,830,050
20091	2009	1	Pile	Finish Mill Temporary Transfer Pile 215	FM-GYP		30500608	469,042	3,829,444
20101	2010	1	Pile	L4 Clinker Stockpile 0			30500608	470,500	3,829,774
20111	2011	1	Pile	Limestone 302	I-Lime		30500608	470,229	3,829,628
20121	2012	1	Pile	Mack's Peak Waste Pile 150			30500608	472,219	3,831,188
20131	2013	1	Pile	MSB Coal Stockpile	-COAL-N/MSB-COAL-S/MSB-COAL/MSB-COAL-small		30500608	469,275	3,829,649
20141	2014	1	Pile	MSB Slag Stockpile 142	MSB-Slag		30500608	469,314	3,829,695
20151	2015	1	Pile	Harriman Waste Rock			30500608	470,845	3,830,497
20161	2016	1	Pile	Quarry Dome Limestone stockpile 109			30500608	469,893	3,829,794
20171	2017	1	Pile	Main Bauxite	GQ-BAUX		30500608	469,819	3,829,965
20181	2018	1	Pile	Finish Mill Lime	FM-LIME		30500608	469,042	3,829,444
20191	2019	1	Pile	ASB Ione/Acton/Baux Blend	ASB-211-BLEND/ ASB-211-WHITEBLEND		30500608	469,526	3,829,890
20201	2020	1	Pile	Quarry Gray Clay Stockpile 222	GQ-GCLAY		30500608	469,705	3,830,006
20211	2021	1	Pile	Quarry Gypsum Stockpile 019	GQ-GYP-S/GQ-GYP-S-1		30500608	469,968	3,830,082
20221	2022	1	Pile	Quarry Gypsum Stockpile 118	GQ-GYP-N		30500608	469,848	3,830,157
20231	2023	1	Pile	Quarry Ione White Clay Stockpile 030			30500608	469,576	3,830,096
20241	2024	1	Pile	Quarry Ione White Clay Stockpile 223	GQ-IONE		30500608	470,007	3,830,234
20251	2025	1	Pile	Quarry Iron Ore Stockpile 028	GQ-IRON		30500608	469,723	3,830,066
20261	2026	1	Pile	Quarry L5 Coal Stockpile 1 047			30500608	470,359	3,829,770
20271	2027	1	Pile	Quarry L5 Coal Stockpile 2 047			30500608	470,359	3,829,770
20281	2028	1	Pile	Quarry Shay Coal Stockpile 042	I-Coal		30500608	470,060	3,829,650
20291	2029	1	Pile	Quarry Steel Slag Stockpile 2 022	GQ-SLAG		30500608	469,895	3,830,033
20301	2030	1	Pile	Sparkhule Waste Rock 059			30500608	471,335	3,832,057
20311	2031	1	Pile	Small Bauxite Stockpile	GQ-BAUX-Small		30500608	469,935	3,830,221
20321	2032	1	Pile	Bauxite & Clay Blend Stockpile	GQ-21-BLEND/GQ-21-CLAYBLEND		30500608	469,750	3,829,930
20331	2033	1	Pile	Iron Ore and Mill Scale Blend Stockpile	GQ-31-IRON-MS /GQ-21-IRONBLEND		30500608	469,782	3,830,082
20341	2034	1	Pile	Main Acton White Clay Pile	GQ-ACTONWHITE		30500608	470,000	3,830,217
20351	2035	1	Pile	Main Mill Scale Pile	GQ-MSCALE		30500608	469,782	3,830,082
20361	2036	1	Pile	ASB Iron Ore and Mill Scale Blend Stockpile	ASB-21-IRONBLEND		30500608	469,513	3,829,885
20371	2037	1	Pile	Blend Quarry Pile	GQ-211BLEND		30500608	469,998	3,830,205
20381	2038	1	Pile	Finish Mill Clinker	FM-CLKR		30500608	469,092	3,829,436
20391	2039	1	Pile	Finish Mill No. 2, Gypsum Pile	Gypsum		30500608	469,072	3,829,746
20401	2040	1	Pile	Finish Mill No. 2, Limestone Pile	Limestone		30500608	469,088	3,829,730
20411	2041	1	Pile	7/8 Gypsum Stockpile	Gypsum		30500608	468,964	3,829,708
20421	2042	1	Pile	Laterite Stockpile	Laterite		30500608	470,096	3,830,112
20431	2043	1	Pile	New Gray Clay (2/5) stockpile/ offloading area	Clay - Gray		30500608	469,888	3,830,090
20441	2044	1	Pile	New Bauxite stockpile/offloading area	Bauxite		30500608	469,973	3,830,085
20451	2045	1	Pile	Brick Pile, Sparkhule Quarry	Brick		30500608	471,597	3,832,075
20461	2046	1	Pile	Polycom Slag Stockpile	Slag		30500608	469,223	3,829,788
20471	2047	1	Pile	Crushed Limestone pile, Sparkhule Quarry	Limestone		30500608	471,353	3,831,988
20481	2048	1	Pile	Crushed Brick pile, Sparkhule Quarry	Brick		30500608	471,375	3,832,051
20491	2049	1	Blasting	Drilling PM			30504001	471,660	3,832,638
20492	2049	2	Blasting	Blasting PM			30504001	471,660	3,832,638
20493	2049	3	Blasting	Explosive Detonation			30504001	471,660	3,832,638
20501	2050	1	Dust	Fugitive Road Dust			30500699	469,602	3,829,663

CalPortland Oro Grande Reporting Year 2019 CEIR Area Source Emissions Summary

HARP Identifiers						Inputs		Pile Parameters[3]			
Stack ID	Device ID	Process ID	Type	Description	Product Code	Material	Control Efficiency (%)	1st Quarter Exposed Surface Area (ft^2)	2nd Quarter Exposed Surface Area (ft^2)	3rd Quarter Exposed Surface Area (ft^2)	4th Quarter Exposed Surface Area (ft^2)
20011	2001	1	Pile	Aluminium Filter Cake 138		Aluminum Filter Cake	50	0	0	0	0
20021	2002	1	Pile	ASB Bauxite & Clay Blend Stockpile 036	ASB-21-BLEND/ASB-21-CLAYBLEND	ASB Bauxite Clay Blend	50	15,376	10,325	10,391	9,077
20031	2003	1	Pile	ASB Iron Ore Stockpile 036	ASB-IRON	Iron Ore	50	0	0	0	3,874
20041	2004	1	Pile	CKD Dump Stockpile 039		CKD	0	0	0	0	0
20051	2005	1	Pile	Clinker IA Quarry		Clinker	50	0	0	0	0
20061	2006	1	Pile	Clinker Mixed Stockpile 1 02		Clinker	90	0	0	0	0
20071	2007	1	Pile	Crusher Clinker		Clinker	50	0	0	0	0
20081	2008	1	Pile	Dock Limestone Stockpile 139		Limestone	50	0	0	0	0
20091	2009	1	Pile	Finish Mill Temporary Transfer Pile 215	FM-GYP	Gypsum	50	6,641	6,907	6,442	3,841
20101	2010	1	Pile	L4 Clinker Stockpile 0		Clinker	60	0	0	0	0
20111	2011	1	Pile	Limestone 302	I-Lime	Limestone	50	50,308	59,797	49,921	60,423
20121	2012	1	Pile	Mack's Peak Waste Pile 150		Waste Rock	90	0	0	0	0
20131	2013	1	Pile	MSB Coal Stockpile	-COAL-N/MSB-COAL-S/MSB-COAL/MSB-COAL-S	Coal	50	80,734	61,222	70,638	67,477
20141	2014	1	Pile	MSB Slag Stockpile 142	MSB-Slag	Slag	50	3,165	5,657	5,796	4,266
20151	2015	1	Pile	Harriman Waste Rock		Waste Rock	50	0	0	0	0
20161	2016	1	Pile	Quarry Dome Limestone stockpile 109		Limestone	50	0	0	0	0
20171	2017	1	Pile	Main Bauxite	GQ-BAUX	Bauxite	50	28,951	30,449	36,537	34,881
20181	2018	1	Pile	Finish Mill Lime	FM-LIME	Lime	50	4,889	7,823	6,681	12,301
20191	2019	1	Pile	ASB Ione/Acton/Baux Blend	ASB-211-BLEND/ ASB-211-WHITEBLEND	ASB Bauxite Clay Blend	50	19,486	22,190	19,997	32,379
20201	2020	1	Pile	Quarry Gray Clay Stockpile 222	GQ-GCLAY	Clay - Gray	50	24,687	26,731	30,934	12,231
20211	2021	1	Pile	Quarry Gypsum Stockpile 019	GQ-GYP-S/GQ-GYP-S-1	Gypsum	50	29,307	30,772	0	0
20221	2022	1	Pile	Quarry Gypsum Stockpile 118	GQ-GYP-N	Gypsum	50	11,759	0	0	0
20231	2023	1	Pile	Quarry Ione White Clay Stockpile 030		Clay - White Ione	50	0	0	0	0
20241	2024	1	Pile	Quarry Ione White Clay Stockpile 223	GQ-IONE	Clay - White Ione	50	52,462	49,590	50,071	45,094
20251	2025	1	Pile	Quarry Iron Ore Stockpile 028	GQ-IRON	Iron Ore	50	23,788	22,687	29,975	22,285
20261	2026	1	Pile	Quarry L5 Coal Stockpile 1 047		Coal	50	0	0	0	0
20271	2027	1	Pile	Quarry L5 Coal Stockpile 2 047		Coal	50	0	0	0	0
20281	2028	1	Pile	Quarry Shay Coal Stockpile 042	I-Coal	Coal	50	63,626	55,660	16,185	0
20291	2029	1	Pile	Quarry Steel Slag Stockpile 2 022	GQ-SLAG	Slag	50	96,877	89,825	87,295	87,543
20301	2030	1	Pile	Sparkhule Waste Rock 059		Waste Rock	50	0	0	0	0
20311	2031	1	Pile	Small Bauxite Stockpile	GQ-BAUX-Small	Bauxite	50	3,869	3,255	4,387	7,655
20321	2032	1	Pile	Bauxite & Clay Blend Stockpile	GQ-21-BLEND/GQ-21-CLAYBLEND	ASB Bauxite Clay Blend	50	9,081	6,765	5,252	9,226
20331	2033	1	Pile	Iron Ore and Mill Scale Blend Stockpile	GQ-31-IRON-MS /GQ-21-IRONBLEND	Iron Ore	50	5,630	5,312	3,686	1,229
20341	2034	1	Pile	Main Acton White Clay Pile	GQ-ACTONWHITE	Clay - Acton White	50	24,464	19,296	24,391	16,912
20351	2035	1	Pile	Main Mill Scale Pile	GQ-MSCALE	Iron Ore	50	0	0	0	0
20361	2036	1	Pile	ASB Iron Ore and Mill Scale Blend Stockpile	ASB-21-IRONBLEND	Slag	50	3,761	3,342	3,161	1,564
20371	2037	1	Pile	Blend Quarry Pile	GQ-211BLEND	ASB Bauxite Clay Blend	50	3,131	5,260	3,062	3,605
20381	2038	1	Pile	Finish Mill Clinker	FM-CLKR	Clinker	50	10,509	0	2,996	3,464
20391	2039	1	Pile	Finish Mill No. 2, Gypsum Pile	Gypsum	Gypsum	0	0	0	0	0
20401	2040	1	Pile	Finish Mill No. 2, Limestone Pile	Limestone	Limestone	0	0	58,868	20,055	0
20411	2041	1	Pile	7/8 Gypsum Stockpile	Gypsum	Gypsum	0	0	4,597	6,052	4,121
20421	2042	1	Pile	Laterite Stockpile	Laterite	Laterite	50	0	7,624	8,910	9,856
20431	2043	1	Pile	New Gray Clay (2/5) stockpile/ offloading area	Clay - Gray	Clay - Gray	50	0	0	45,487	39,928
20441	2044	1	Pile	New Bauxite stockpile/offloading area	Bauxite	Bauxite	50	0	0	11,457	7,136
20451	2045	1	Pile	Brick Pile, Sparkhule Quarry	Brick	Brick	50	0	0	5,768	24,686
20461	2046	1	Pile	Polycom Slag Stockpile	Slag	Slag	50	0	0	13,835	24,994
20471	2047	1	Pile	Crushed Limestone pile, Sparkhule Quarry	Limestone	Limestone	50	0	0	41,257	0
20481	2048	1	Pile	Crushed Brick pile, Sparkhule Quarry	Brick	Brick	50	0	0	0	1,891
20491	2049	1	Blasting	Drilling PM							
20492	2049	2	Blasting	Blasting PM							
20493	2049	3	Blasting	Explosive Detonation							
20501	2050	1	Dust	Fugitive Road Dust							

CalPortland Oro Grande Reporting Year 2019 CEIR Area Source Emissions Summary

HARP Identifiers								Particulate Aerodynamic Factor[4]			Meteorological Data[5]	
Stack ID	Device ID	Process ID	Type	Description	Product Code	Maximum Exposed Surface Area (acres)	Silt Loading (%)	PM	PM10	PM2.5	Number of Days with Precipitation > 0.01 in	Percentage of Time with Wind Speed > 12 mph (%)
20011	2001	1	Pile	Aluminium Filter Cake 138		0.000	30.0	1.0	0.50	0.20	30	13.3
20021	2002	1	Pile	ASB Bauxite & Clay Blend Stockpile 036	ASB-21-BLEND/ASB-21-CLAYBLEND	0.353	20.0					
20031	2003	1	Pile	ASB Iron Ore Stockpile 036	ASB-IRON	0.089	10.8					
20041	2004	1	Pile	CKD Dump Stockpile 039		0.000	5.0					
20051	2005	1	Pile	Clinker IA Quarry		0.000	5.0					
20061	2006	1	Pile	Clinker Mixed Stockpile 1 02		0.000	5.0					
20071	2007	1	Pile	Crusher Clinker		0.000	5.0					
20081	2008	1	Pile	Dock Limestone Stockpile 139		0.000	1.5					
20091	2009	1	Pile	Finish Mill Temporary Transfer Pile 215	FM-GYP	0.159	4.4					
20101	2010	1	Pile	L4 Clinker Stockpile 0		0.000	5.0					
20111	2011	1	Pile	Limestone 302	I-Lime	1.387	1.5					
20121	2012	1	Pile	Mack's Peak Waste Pile 150		0.000	1.5					
20131	2013	1	Pile	MSB Coal Stockpile	-COAL-N/MSB-COAL-S/MSB-COAL/MSB-COAL-s	1.853	6.0					
20141	2014	1	Pile	MSB Slag Stockpile 142	MSB-Slag	0.133	1.5					
20151	2015	1	Pile	Harriman Waste Rock		0.000	1.5					
20161	2016	1	Pile	Quarry Dome Limestone stockpile 109		0.000	1.5					
20171	2017	1	Pile	Main Bauxite	GQ-BAUX	0.839	7.6					
20181	2018	1	Pile	Finish Mill Lime	FM-LIME	0.282	15.0					
20191	2019	1	Pile	ASB Ione/Acton/Baux Blend	ASB-211-BLEND/ ASB-211-WHITEBLEND	0.743	20.0					
20201	2020	1	Pile	Quarry Gray Clay Stockpile 222	GQ-GCLAY	0.710	20.0					
20211	2021	1	Pile	Quarry Gypsum Stockpile 019	GQ-GYP-S/GQ-GYP-S-1	0.706	4.4					
20221	2022	1	Pile	Quarry Gypsum Stockpile 118	GQ-GYP-N	0.270	4.4					
20231	2023	1	Pile	Quarry Ione White Clay Stockpile 030		0.000	20.0					
20241	2024	1	Pile	Quarry Ione White Clay Stockpile 223	GQ-IONE	1.204	20.0					
20251	2025	1	Pile	Quarry Iron Ore Stockpile 028	GQ-IRON	0.688	10.8					
20261	2026	1	Pile	Quarry L5 Coal Stockpile 1 047		0.000	6.0					
20271	2027	1	Pile	Quarry L5 Coal Stockpile 2 047		0.000	6.0					
20281	2028	1	Pile	Quarry Shay Coal Stockpile 042	I-Coal	1.461	6.0					
20291	2029	1	Pile	Quarry Steel Slag Stockpile 2 022	GQ-SLAG	2.224	1.5					
20301	2030	1	Pile	Sparkhule Waste Rock 059		0.000	1.5					
20311	2031	1	Pile	Small Bauxite Stockpile	GQ-BAUX-Small	0.176	7.6					
20321	2032	1	Pile	Bauxite & Clay Blend Stockpile	GQ-21-BLEND/GQ-21-CLAYBLEND	0.212	20.0					
20331	2033	1	Pile	Iron Ore and Mill Scale Blend Stockpile	GQ-31-IRON-MS /GQ-21-IRONBLEND	0.129	10.8					
20341	2034	1	Pile	Main Acton White Clay Pile	GQ-ACTONWHITE	0.562	20.0					
20351	2035	1	Pile	Main Mill Scale Pile	GQ-MSCALE	0.000	10.8					
20361	2036	1	Pile	ASB Iron Ore and Mill Scale Blend Stockpile	ASB-21-IRONBLEND	0.086	1.5					
20371	2037	1	Pile	Blend Quarry Pile	GQ-211BLEND	0.121	20.0					
20381	2038	1	Pile	Finish Mill Clinker	FM-CLKR	0.241	5.0					
20391	2039	1	Pile	Finish Mill No. 2, Gypsum Pile	Gypsum	0.000	4.4					
20401	2040	1	Pile	Finish Mill No. 2, Limestone Pile	Limestone	1.351	1.5					
20411	2041	1	Pile	7/8 Gypsum Stockpile	Gypsum	0.139	4.4					
20421	2042	1	Pile	Laterite Stockpile	Laterite	0.226	4.6					
20431	2043	1	Pile	New Gray Clay (2/5) stockpile/ offloading area	Clay - Gray	1.044	20.0					
20441	2044	1	Pile	New Bauxite stockpile/offloading area	Bauxite	0.263	7.6					
20451	2045	1	Pile	Brick Pile, Sparkhule Quarry	Brick	0.567	1.5					
20461	2046	1	Pile	Polycom Slag Stockpile	Slag	0.574	1.5					
20471	2047	1	Pile	Crushed Limestone pile, Sparkhule Quarry	Limestone	0.947	1.5					
20481	2048	1	Pile	Crushed Brick pile, Sparkhule Quarry	Brick	0.043	1.5					
20491	2049	1	Blasting	Drilling PM								
20492	2049	2	Blasting	Blasting PM								
20493	2049	3	Blasting	Explosive Detonation								
20501	2050	1	Dust	Fugitive Road Dust								

CalPortland Oro Grande Reporting Year 2019 CEIR Area Source Emissions Summary

HARP Identifiers						Blast Inputs				Blast Parameters
Stack ID	Device ID	Process ID	Type	Description	Product Code	Area per Blast (ft^2)	Number of Blasts	Number of Holes Drilled	Quantity of Explosives Used (tons)	Maximum Number of Blasts per Hour
20011	2001	1	Pile	Aluminium Filter Cake 138						
20021	2002	1	Pile	ASB Bauxite & Clay Blend Stockpile 036	ASB-21-BLEND/ASB-21-CLAYBLEND					
20031	2003	1	Pile	ASB Iron Ore Stockpile 036	ASB-IRON					
20041	2004	1	Pile	CKD Dump Stockpile 039						
20051	2005	1	Pile	Clinker IA Quarry						
20061	2006	1	Pile	Clinker Mixed Stockpile 1 02						
20071	2007	1	Pile	Crusher Clinker						
20081	2008	1	Pile	Dock Limestone Stockpile 139						
20091	2009	1	Pile	Finish Mill Temporary Transfer Pile 215	FM-GYP					
20101	2010	1	Pile	L4 Clinker Stockpile 0						
20111	2011	1	Pile	Limestone 302	I-Lime					
20121	2012	1	Pile	Mack's Peak Waste Pile 150						
20131	2013	1	Pile	MSB Coal Stockpile	-COAL-N/MSB-COAL-S/MSB-COAL/MSB-COAL-S					
20141	2014	1	Pile	MSB Slag Stockpile 142	MSB-Slag					
20151	2015	1	Pile	Harriman Waste Rock						
20161	2016	1	Pile	Quarry Dome Limestone stockpile 109						
20171	2017	1	Pile	Main Bauxite	GQ-BAUX					
20181	2018	1	Pile	Finish Mill Lime	FM-LIME					
20191	2019	1	Pile	ASB Ione/Acton/Baux Blend	ASB-211-BLEND/ ASB-211-WHITEBLEND					
20201	2020	1	Pile	Quarry Gray Clay Stockpile 222	GQ-GCLAY					
20211	2021	1	Pile	Quarry Gypsum Stockpile 019	GQ-GYP-S/GQ-GYP-S-1					
20221	2022	1	Pile	Quarry Gypsum Stockpile 118	GQ-GYP-N					
20231	2023	1	Pile	Quarry Ione White Clay Stockpile 030						
20241	2024	1	Pile	Quarry Ione White Clay Stockpile 223	GQ-IONE					
20251	2025	1	Pile	Quarry Iron Ore Stockpile 028	GQ-IRON					
20261	2026	1	Pile	Quarry L5 Coal Stockpile 1 047						
20271	2027	1	Pile	Quarry L5 Coal Stockpile 2 047						
20281	2028	1	Pile	Quarry Shay Coal Stockpile 042	I-Coal					
20291	2029	1	Pile	Quarry Steel Slag Stockpile 2 022	GQ-SLAG					
20301	2030	1	Pile	Sparkhule Waste Rock 059						
20311	2031	1	Pile	Small Bauxite Stockpile	GQ-BAUX-Small					
20321	2032	1	Pile	Bauxite & Clay Blend Stockpile	GQ-21-BLEND/GQ-21-CLAYBLEND					
20331	2033	1	Pile	Iron Ore and Mill Scale Blend Stockpile	GQ-31-IRON-MS /GQ-21-IRONBLEND					
20341	2034	1	Pile	Main Acton White Clay Pile	GQ-ACTONWHITE					
20351	2035	1	Pile	Main Mill Scale Pile	GQ-MSCALE					
20361	2036	1	Pile	ASB Iron Ore and Mill Scale Blend Stockpile	ASB-21-IRONBLEND					
20371	2037	1	Pile	Blend Quarry Pile	GQ-211BLEND					
20381	2038	1	Pile	Finish Mill Clinker	FM-CLKR					
20391	2039	1	Pile	Finish Mill No. 2, Gypsum Pile	Gypsum					
20401	2040	1	Pile	Finish Mill No. 2, Limestone Pile	Limestone					
20411	2041	1	Pile	7/8 Gypsum Stockpile	Gypsum					
20421	2042	1	Pile	Laterite Stockpile	Laterite					
20431	2043	1	Pile	New Gray Clay (2/5) stockpile/ offloading area	Clay - Gray					
20441	2044	1	Pile	New Bauxite stockpile/offloading area	Bauxite					
20451	2045	1	Pile	Brick Pile, Sparkhule Quarry	Brick					
20461	2046	1	Pile	Polycom Slag Stockpile	Slag					
20471	2047	1	Pile	Crushed Limestone pile, Sparkhule Quarry	Limestone					
20481	2048	1	Pile	Crushed Brick pile, Sparkhule Quarry	Brick					
20491	2049	1	Blasting	Drilling PM				6,449		
20492	2049	2	Blasting	Blasting PM		19,092	76			1
20493	2049	3	Blasting	Explosive Detonation					1,112	
20501	2050	1	Dust	Fugitive Road Dust						

CalPortland Oro Grande Reporting Year 2019 CEIR Area Source Emissions Summary

HARP Identifiers						Emissions (lb/hr)[6, 7, 8, 9, 10]								Emissions (tpy)[11, 12, 13, 14, 15, 16]						
Stack ID	Device ID	Process ID	Type	Description	Product Code	PM	PM10	PM2.5	NOx	SOx	CO	VOC	Lead	PM	PM10	PM2.5	NOx	SOx	CO	VOC
20011	2001	1	Pile	Aluminium Filter Cake 138		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20021	2002	1	Pile	ASB Bauxite & Clay Blend Stockpile 036	ASB-21-BLEND/ASB-21-CLAYBLEND	0.21	0.11	0.04	0	0	0	0	6.88E-07	0.92	0.46	0.18	0	0	0	0
20031	2003	1	Pile	ASB Iron Ore Stockpile 036	ASB-IRON	0.03	0.01	0.01	0	0	0	0	2.16E-06	0.13	0.06	0.03	0	0	0	0
20041	2004	1	Pile	CKD Dump Stockpile 039		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20051	2005	1	Pile	Clinker IA Quarry		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20061	2006	1	Pile	Clinker Mixed Stockpile 1 02		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20071	2007	1	Pile	Crusher Clinker		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20081	2008	1	Pile	Dock Limestone Stockpile 139		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20091	2009	1	Pile	Finish Mill Temporary Transfer Pile 215	FM-GYP	0.02	0.01	0.00	0	0	0	0	0.00E+00	0.09	0.05	0.02	0	0	0	0
20101	2010	1	Pile	L4 Clinker Stockpile 0		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20111	2011	1	Pile	Limestone 302	I-Lime	0.06	0.03	0.01	0	0	0	0	1.78E-06	0.27	0.14	0.05	0	0	0	0
20121	2012	1	Pile	Mack's Peak Waste Pile 150		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20131	2013	1	Pile	MSB Coal Stockpile	-COAL-N/MSB-COAL-S/MSB-COAL/MSB-COAL-S	0.33	0.17	0.07	0	0	0	0	6.42E-07	1.45	0.73	0.29	0	0	0	0
20141	2014	1	Pile	MSB Slag Stockpile 142	MSB-Slag	0.01	0.00	0.00	0	0	0	0	3.04E-07	0.03	0.01	0.01	0	0	0	0
20151	2015	1	Pile	Harriman Waste Rock		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20161	2016	1	Pile	Quarry Dome Limestone stockpile 109		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20171	2017	1	Pile	Main Bauxite	GQ-BAUX	0.19	0.10	0.04	0	0	0	0	1.56E-06	0.84	0.42	0.17	0	0	0	0
20181	2018	1	Pile	Finish Mill Lime	FM-LIME	0.13	0.06	0.03	0	0	0	0	3.62E-06	0.55	0.28	0.11	0	0	0	0
20191	2019	1	Pile	ASB Ione/Acton/Baux Blend	ASB-211-BLEND/ ASB-211-WHITEBLEND	0.44	0.22	0.09	0	0	0	0	1.45E-06	1.94	0.97	0.39	0	0	0	0
20201	2020	1	Pile	Quarry Gray Clay Stockpile 222	GQ-GCLAY	0.42	0.21	0.08	0	0	0	0	0.00E+00	1.86	0.93	0.37	0	0	0	0
20211	2021	1	Pile	Quarry Gypsum Stockpile 019	GQ-GYP-S/GQ-GYP-S-1	0.09	0.05	0.02	0	0	0	0	0.00E+00	0.41	0.20	0.08	0	0	0	0
20221	2022	1	Pile	Quarry Gypsum Stockpile 118	GQ-GYP-N	0.04	0.02	0.01	0	0	0	0	0.00E+00	0.16	0.08	0.03	0	0	0	0
20231	2023	1	Pile	Quarry Ione White Clay Stockpile 030		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20241	2024	1	Pile	Quarry Ione White Clay Stockpile 223	GQ-IONE	0.72	0.36	0.14	0	0	0	0	0.00E+00	3.15	1.57	0.63	0	0	0	0
20251	2025	1	Pile	Quarry Iron Ore Stockpile 028	GQ-IRON	0.22	0.11	0.04	0	0	0	0	1.67E-05	0.97	0.48	0.19	0	0	0	0
20261	2026	1	Pile	Quarry L5 Coal Stockpile 1 047		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20271	2027	1	Pile	Quarry L5 Coal Stockpile 2 047		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20281	2028	1	Pile	Quarry Shay Coal Stockpile 042	I-Coal	0.26	0.13	0.05	0	0	0	0	5.06E-07	1.15	0.57	0.23	0	0	0	0
20291	2029	1	Pile	Quarry Steel Slag Stockpile 2 022	GQ-SLAG	0.10	0.05	0.02	0	0	0	0	5.08E-06	0.44	0.22	0.09	0	0	0	0
20301	2030	1	Pile	Sparkhule Waste Rock 059		0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20311	2031	1	Pile	Small Bauxite Stockpile	GQ-BAUX-Small	0.04	0.02	0.01	0	0	0	0	3.26E-07	0.18	0.09	0.04	0	0	0	0
20321	2032	1	Pile	Bauxite & Clay Blend Stockpile	GQ-21-BLEND/GQ-21-CLAYBLEND	0.13	0.06	0.03	0	0	0	0	4.13E-07	0.55	0.28	0.11	0	0	0	0
20331	2033	1	Pile	Iron Ore and Mill Scale Blend Stockpile	GQ-31-IRON-MS /GQ-21-IRONBLEND	0.04	0.02	0.01	0	0	0	0	3.14E-06	0.18	0.09	0.04	0	0	0	0
20341	2034	1	Pile	Main Acton White Clay Pile	GQ-ACTONWHITE	0.34	0.17	0.07	0	0	0	0	0.00E+00	1.47	0.73	0.29	0	0	0	0
20351	2035	1	Pile	Main Mill Scale Pile	GQ-MSCALE	0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20361	2036	1	Pile	ASB Iron Ore and Mill Scale Blend Stockpile	ASB-21-IRONBLEND	0.00	0.00	0.00	0	0	0	0	1.97E-07	0.02	0.01	0.00	0	0	0	0
20371	2037	1	Pile	Blend Quarry Pile	GQ-211BLEND	0.07	0.04	0.01	0	0	0	0	2.35E-07	0.32	0.16	0.06	0	0	0	0
20381	2038	1	Pile	Finish Mill Clinker	FM-CLKR	0.04	0.02	0.01	0	0	0	0	2.58E-06	0.16	0.08	0.03	0	0	0	0
20391	2039	1	Pile	Finish Mill No. 2, Gypsum Pile	Gypsum	0.00	0.00	0.00	0	0	0	0	0.00E+00	0.00	0.00	0.00	0	0	0	0
20401	2040	1	Pile	Finish Mill No. 2, Limestone Pile	Limestone	0.12	0.06	0.02	0	0	0	0	3.47E-06	0.53	0.26	0.11	0	0	0	0
20411	2041	1	Pile	7/8 Gypsum Stockpile	Gypsum	0.04	0.02	0.01	0	0	0	0	0.00E+00	0.16	0.08	0.03	0	0	0	0
20421	2042	1	Pile	Laterite Stockpile	Laterite	0.03	0.02	0.01	0	0	0	0	0.00E+00	0.14	0.07	0.03	0	0	0	0
20431	2043	1	Pile	New Gray Clay (2/5) stockpile/ offloading area	Clay - Gray	0.62	0.31	0.12	0	0	0	0	0.00E+00	2.73	1.36	0.55	0	0	0	0
20441	2044	1	Pile	New Bauxite stockpile/offloading area	Bauxite	0.06	0.03	0.01	0	0	0	0	4.88E-07	0.26	0.13	0.05	0	0	0	0
20451	2045	1	Pile	Brick Pile, Sparkhule Quarry	Brick	0.03	0.01	0.01	0	0	0	0	0.00E+00	0.11	0.06	0.02	0	0	0	0
20461	2046	1	Pile	Polycom Slag Stockpile	Slag	0.03	0.01	0.01	0	0	0	0	1.31E-06	0.11	0.06	0.02	0	0	0	0
20471	2047	1	Pile	Crushed Limestone pile, Sparkhule Quarry	Limestone	0.04	0.02	0.01	0	0	0	0	1.22E-06	0.19	0.09	0.04	0	0	0	0
20481	2048	1	Pile	Crushed Brick pile, Sparkhule Quarry	Brick	0.00	0.00	0.00	0	0	0	0	0.00E+00	0.01	0.00	0.00	0	0	0	0
20491	2049	1	Blasting	Drilling PM		1.10E+02	5.77E+01	5.77E+01	0	0	0	0	3.16E-03	4.19E+00	2.19E+00	2.19E+00	0	0	0	0
20492	2049	2	Blasting	Blasting PM		1.32E+03	6.86E+02	6.86E+02	0	0	0	0	3.78E-02	5.01E+01	2.61E+01	2.61E+01	0	0	0	0
20493	2049	3	Blasting	Explosive Detonation		0	0	0	2.49E+02	0	9.80E+02	0	0	0	0	0	9.45E+00	0	3.72E+01	0
20501	2050	1	Dust	Fugitive Road Dust		4.01E+02	1.17E+02	1.22E+01	0	0	0	0	1.07E-02	6.11E+02	1.79E+02	1.83E+01	0	0	0	0

CalPortland Oro Grande Reporting Year 2019 CEIR Area Source Emissions Summary

HARP Identifiers							Emission Factors[17]									Conversions						
Stack ID	Device ID	Process ID	Type	Description	Product Code	Lead	PM	PM10	PM2.5	NOx	SOx	CO	VOC	Lead	Units	Days per Year	Hours per Day	Square Feet per Acre	lb/kg	g/lb	mg/g	lb/ton
20011	2001	1	Pile	Aluminium Filter Cake 138		0.00E+00										365	24	43,560	2.2	453.592	1,000	2,000
20021	2002	1	Pile	ASB Bauxite & Clay Blend Stockpile 036	ASB-21-BLEND/ASB-21-CLAYBLEND	3.01E-06																
20031	2003	1	Pile	ASB Iron Ore Stockpile 036	ASB-IRON	9.47E-06																
20041	2004	1	Pile	CKD Dump Stockpile 039		0.00E+00																
20051	2005	1	Pile	Clinker IA Quarry		0.00E+00																
20061	2006	1	Pile	Clinker Mixed Stockpile 1 02		0.00E+00																
20071	2007	1	Pile	Crusher Clinker		0.00E+00																
20081	2008	1	Pile	Dock Limestone Stockpile 139		0.00E+00																
20091	2009	1	Pile	Finish Mill Temporary Transfer Pile 215	FM-GYP	0.00E+00																
20101	2010	1	Pile	L4 Clinker Stockpile 0		0.00E+00																
20111	2011	1	Pile	Limestone 302	I-Lime	7.80E-06																
20121	2012	1	Pile	Mack's Peak Waste Pile 150		0.00E+00																
20131	2013	1	Pile	MSB Coal Stockpile	-COAL-N/MSB-COAL-S/MSB-COAL/MSB-COAL-s	2.81E-06																
20141	2014	1	Pile	MSB Slag Stockpile 142	MSB-Slag	1.33E-06																
20151	2015	1	Pile	Harriman Waste Rock		0.00E+00																
20161	2016	1	Pile	Quarry Dome Limestone stockpile 109		0.00E+00																
20171	2017	1	Pile	Main Bauxite	GQ-BAUX	6.82E-06																
20181	2018	1	Pile	Finish Mill Lime	FM-LIME	1.59E-05																
20191	2019	1	Pile	ASB Ione/Acton/Baux Blend	ASB-211-BLEND/ ASB-211-WHITEBLEND	6.35E-06																
20201	2020	1	Pile	Quarry Gray Clay Stockpile 222	GQ-GCLAY	0.00E+00																
20211	2021	1	Pile	Quarry Gypsum Stockpile 019	GQ-GYP-S/GQ-GYP-S-1	0.00E+00																
20221	2022	1	Pile	Quarry Gypsum Stockpile 118	GQ-GYP-N	0.00E+00																
20231	2023	1	Pile	Quarry Ione White Clay Stockpile 030		0.00E+00																
20241	2024	1	Pile	Quarry Ione White Clay Stockpile 223	GQ-IONE	0.00E+00																
20251	2025	1	Pile	Quarry Iron Ore Stockpile 028	GQ-IRON	7.32E-05																
20261	2026	1	Pile	Quarry L5 Coal Stockpile 1 047		0.00E+00																
20271	2027	1	Pile	Quarry L5 Coal Stockpile 2 047		0.00E+00																
20281	2028	1	Pile	Quarry Shay Coal Stockpile 042	I-Coal	2.21E-06																
20291	2029	1	Pile	Quarry Steel Slag Stockpile 2 022	GQ-SLAG	2.22E-05																
20301	2030	1	Pile	Sparkhule Waste Rock 059		0.00E+00																
20311	2031	1	Pile	Small Bauxite Stockpile	GQ-BAUX-Small	1.43E-06																
20321	2032	1	Pile	Bauxite & Clay Blend Stockpile	GQ-21-BLEND/GQ-21-CLAYBLEND	1.81E-06																
20331	2033	1	Pile	Iron Ore and Mill Scale Blend Stockpile	GQ-31-IRON-MS /GQ-21-IRONBLEND	1.38E-05																
20341	2034	1	Pile	Main Acton White Clay Pile	GQ-ACTONWHITE	0.00E+00																
20351	2035	1	Pile	Main Mill Scale Pile	GQ-MSCALE	0.00E+00																
20361	2036	1	Pile	ASB Iron Ore and Mill Scale Blend Stockpile	ASB-21-IRONBLEND	8.63E-07																
20371	2037	1	Pile	Blend Quarry Pile	GQ-211BLEND	1.03E-06																
20381	2038	1	Pile	Finish Mill Clinker	FM-CLKR	1.13E-05																
20391	2039	1	Pile	Finish Mill No. 2, Gypsum Pile	Gypsum	0.00E+00																
20401	2040	1	Pile	Finish Mill No. 2, Limestone Pile	Limestone	1.52E-05																
20411	2041	1	Pile	7/8 Gypsum Stockpile	Gypsum	0.00E+00																
20421	2042	1	Pile	Laterite Stockpile	Laterite	0.00E+00																
20431	2043	1	Pile	New Gray Clay (2/5) stockpile/ offloading area	Clay - Gray	0.00E+00																
20441	2044	1	Pile	New Bauxite stockpile/offloading area	Bauxite	2.14E-06																
20451	2045	1	Pile	Brick Pile, Sparkhule Quarry	Brick	0.00E+00																
20461	2046	1	Pile	Polycom Slag Stockpile	Slag	5.74E-06																
20471	2047	1	Pile	Crushed Limestone pile, Sparkhule Quarry	Limestone	5.32E-06																
20481	2048	1	Pile	Crushed Brick pile, Sparkhule Quarry	Brick	0.00E+00																
20491	2049	1	Blasting	Drilling PM		1.20E-04	1.3	0.68	0.68	0	0	0	0	0	lb/hole							
20492	2049	2	Blasting	Blasting PM		1.44E-03	1	0.52	0.52	0	0	0	0	0	size factor							
20493	2049	3	Blasting	Explosive Detonation		0	0	0	0	17	0	67	0	0	lb/ton							
20501	2050	1	Dust	Fugitive Road Dust		1.61E-02																

1. Facility Information (Description, Material, and Node) for Devices 3001-3037 comes from Columns D, I, H in Rows 129-171 of the Calc_Material tab of the 2016 CEIR spreadsheet. Note that all Types are listed as Material Handling instead of the specific material as in Column G of the 2016 CEIR spreadsheet.
2. Facility Information (Type, Description, and Node) for Devices 3038-3068 and 3078 comes from Columns F, G, and J of Rows 210-248 of the Calc_Material tab of the 2016 CEIR spreadsheet. Facility Information for Devices 3069-3077 are updated for 2018 based on data received from CalPortland.
3. UTMX and UTMY come from Columns D and E of the TblNetworkNodes beginning in Row 256 of the Operations tab of the 2016 CEIR spreadsheet for all devices except 3069-3077 which have new defined nodes based on information received from CalPortland.
4. Throughput Basis for Devices 3001-3037 comes from Columns T and U of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
5. Material Moisture Content for Devices 3001-3037 comes from Column AN of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
6. Allocated Fraction for Devices 3001-3037 comes from Column AA of Rows 129-171 in the Calc_Material tab of the 2016 CEIR and divided by 100 to convert to a fraction.
7. Maximum Throughput for Devices 3001-3037 comes from Column AE of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
8. Control Efficiency for Devices 3001-3037 comes from Column AK of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
9. Particle Size Multiplier from AP-42 Section 13.2.4 Aggregate Handling and Storage Piles page 13.2.4-4.
10. Emission Factors (lb/ton) for Devices 3001-3037 = Particle Size Multiplier x 0.0032 x (Mean Wind Speed (mph)/5)^1.3 / (Material Moisture Content (%)/2)^1.4 per AP-42 Chapter 13.2.4, Equation 1.
11. Particulate Emissions (lb/hr)for Devices 3001-3037 = Emission Factor (lb/ton) x Maximum Throughput (tph) x Allocated Fraction x (1-Control Efficiency/100)
12. Emissions (lb/hr) for Devices 3038-3078 = (sum of hourly load emissions at a specific node (lb/hr)) + (sum of hourly dump emissions at a specific node (lb/hr)) from Columns BQ-BV of the Trips tab of this spreadsheet.
13. Lead Emissions (lb/hr) for Devices 3001-3037 = PM Emissions (lb/hr) / 1,000,000 (ppm) x Lead Concentration (ppm)
14. Particulate and Lead Emissions (tpy) for Devices 3001-3037 = Emission Factor (lb/ton) x Throughput (tons) x Allocated Fraction x (1-Control Efficiency/100) / 2,000 (lb/ton)
15. Emissions (tpy) for Devices 3038-3078 = (sum of annual load emissions at a specific node (tpy)) + (sum of annual dump emissions at a specific node (tpy)) from Columns BW-CB of the Trips tab of this spreadsheet.
16. Lead Emissions (tpy) for Devices 3001-3037 = PM Emissions (tpy) / 1,000,000 (ppm) x Lead Concentration (ppm)

CalPortland Oro Grande Reporting Year 2019 CEIR Volume Source Emissions Summary

HARP Identifiers			Facility Information[1, 2, 3]							Inputs[4]		
Stack ID	Device ID	Process ID	Type	Description	Material	Node	SCC	UTMX (m)	UTMY (m)	Throughput Basis	Annual Throughput (tons)	Mean Wind Speed (mph)
30011	3001	1	Material Handling	ASB Bauxite to ASB Hopper	Bauxite	37	30500612	469,468	3,829,882	Tons Bauxite Used	39,411	7.7
30021	3002	1	Material Handling	ASB Clay to ASB Hopper	Clay	36	30500612	469,526	3,829,890	Tons Type II/V Clay Used	7,923	
30031	3003	1	Material Handling	Bauxite from Quarry to ASB, Truck to ASB Bauxite Stockpile	Bauxite	36	30500612	469,526	3,829,890	Tons Bauxite Received	49,847	
30041	3004	1	Material Handling	Carbon Bin	Carbon	277	30500612	469,164	3,829,706	Tons Carbon Received	363	
30051	3005	1	Material Handling	Cement Loadout Stn 1 - Rail	Cement	214	30500619	468,805	3,829,340	Tons Total Cement Sold	1,760,820	
30061	3006	1	Material Handling	Cement Loadout Stn 2/3 - Rail	Cement	213	30500619	468,792	3,829,438	Tons Total Cement Sold	1,760,820	
30071	3007	1	Material Handling	Cement Loadout Stn 2/3 - Truck	Cement	212	30500619	468,819	3,829,423	Tons Total Cement Sold	1,760,820	
30081	3008	1	Material Handling	Cement Loadout Stn 4 - Truck	Cement	275	30500619	468,843	3,829,475	Tons Total Cement Sold	1,760,820	
30091	3009	1	Material Handling	Cement Loadout Stn 5/6	Cement	210	30500619	468,835	3,829,633	Tons Total Cement Sold	1,760,820	
30101	3010	1	Material Handling	UdyBin	Clinker	5	30500616	468,835	3,829,633	Tons Clinker Sold	14,851	
30111	3011	1	Material Handling	Clinker Type II/V Dome	Clinker	12	30500616	469,120	3,829,438	Tons Clinker Type II/V Produced	1,338,749	
30121	3012	1	Material Handling	Clinker Type III Dome Fugitives	Clinker	217	30500616	469,070	3,829,508	Tons Clinker Type III Dome Produced	228,793	
30131	3013	1	Material Handling	Coal from L5 to MSB, Loader to Truck	Coal	47	30500612	470,359	3,829,770	Tons Coal to Kiln Used	217,510	
30141	3014	1	Material Handling	Coal from L5 to MSB, Truck to Stockpile	Coal	44	30500612	469,275	3,829,649	Tons Coal to Kiln Used	217,510	
30151	3015	1	Material Handling	Coal Rail Unloading Hopper	Coal	206	30500612	469,183	3,829,280	Tons Coal Received	216,352	
30161	3016	1	Material Handling	Comet Quarry Waste, Loader to Truck	Quarry Overburden	219	30500612	471,128	3,830,212	Tons Quarry Overburden	2,318,665	
30171	3017	1	Material Handling	Comet Quarry Waste, Truck to Comet Quarry Waste Dump	Quarry Overburden	219	30500612	471,128	3,830,212	Tons Quarry Overburden	2,318,665	
30181	3018	1	Material Handling	Finish Mill Temporary Transfer Pile	Gypsum	215	30500612	469,042	3,829,444	Tons Gypsum Used	67,493	
30191	3019	1	Material Handling	Gypsum from Quarry to Finish Mill, Truck to Hopper	Gypsum	11	30500612	469,043	3,829,431	Tons Gypsum Used	67,493	
30201	3020	1	Material Handling	Ione Clay from Quarry to ASB, Truck to ASB Clay Stockpile	Clay	36	30500612	469,526	3,829,890	Tons Ione Clay Type III and Type II/V Received	20,447	
30211	3021	1	Material Handling	Iron Ore from Quarry to ASB, Truck to ASB	Iron Ore	36	30500612	469,526	3,829,890	Tons Iron Ore Received	32,637	
30221	3022	1	Material Handling	Iron Ore to ASB Hopper	Iron Ore	37	30500612	469,468	3,829,882	Tons Iron Ore Used	32,215	
30231	3023	1	Material Handling	Lime Bin	Lime	276	30500612	469,164	3,829,706	Tons Hydrated Lime Received	3,223	
30241	3024	1	Material Handling	Limestone to #1 Hammermill, No. 1 Feeder to Conveyor	Limestone	207	30500612	469,403	3,830,039	Tons Quarried Limestone Produced	2,230,524	
30251	3025	1	Material Handling	Limestone to #2 Hammermill, No. 2 Feeder to Conveyor	Limestone	207	30500612	469,403	3,830,039	Tons Quarried Limestone Produced	2,230,524	
30261	3026	1	Material Handling	Limestone to Finish Mill, Loader to Truck	Limestone	51	30500612	470,203	3,829,618	Tons Limestone to Finish Mill Used	63,430	
30271	3027	1	Material Handling	Limestone to Surge Bin, No. 1 Conveyor to Surge Bin	Limestone	208	30500612	469,403	3,830,039	Tons Quarried Limestone Used	2,232,457	
30281	3028	1	Material Handling	MSB Coal to Hopper	Coal	144	30500612	469,198	3,829,466	Tons Coal to Kiln Used	217,510	
30291	3029	1	Material Handling	MSB Stacker to Pile	Coal	44	30500612	469,275	3,829,649	Tons Coal to Kiln Received	216,352	
30301	3030	1	Material Handling	Raw Material Dome Fugitives	Limestone	202	30500612	469,325	3,829,925	Tons Limestone Used	2,232,457	
30311	3031	1	Material Handling	Raw Material Dome Fugitives	Limestone	278	30500612	469,325	3,829,925	Tons Limestone Used	2,232,457	
30321	3032	1	Material Handling	Raw Material Dome Fugitives	Limestone	279	30500612	469,325	3,829,925	Tons Limestone Used	2,232,457	
30331	3033	1	Material Handling	Shay Quarry Waste, Truck to Shay Klondike Waste Dump	Quarry Overburden	50	30500612	470,188	3,829,936	Tons Waste to Shay	116,090	
30341	3034	1	Material Handling	Slag from Quarry to MSB, Loader to Truck	Slag	27	30500612	469,628	3,829,939	Tons Slag to Kiln Used	32,655	
30351	3035	1	Material Handling	Slag from Quarry to MSB, Truck to Stockpile	Slag	44	30500612	469,275	3,829,649	Tons Slag to Kiln Used	32,655	
30361	3036	1	Material Handling	Total Limestone - all quarries, Truck to Primary Crusher	Limestone	34	30500612	469,555	3,830,036	Tons Quarried Limestone Produced	2,230,524	
30371	3037	1	Material Handling	Sparkhule Quarry Waste, Truck to Sparkhule Waste Dump	Quarry Overburden	59	30500612	471,335	3,832,057	Tons Quarry Overburden	2,318,665	
30381	3038	1	Miscellaneous Fugitive PM	Finish Mill Sampson Feed Hopper	Finish Mill Feed	11	30500616	469,043	3,829,431			
30391	3039	1	Miscellaneous Fugitive PM	Clinker Loadout	Clinker	12	30500612	469,120	3,829,438			
30401	3040	1	Miscellaneous Fugitive PM	Gypsum Stockpile Node 19	Gypsum	19	30500612	469,968	3,830,082			
30411	3041	1	Miscellaneous Fugitive PM	Quarry Steel Slag Stockpile	Slag	22	30500612	469,895	3,830,033			
30421	3042	1	Miscellaneous Fugitive PM	Quarry Bauxite Stockpile	Bauxite	25	30500612	469,756	3,829,961			
30431	3043	1	Miscellaneous Fugitive PM	Quarry Iron Ore Stockpile Delivery	Iron Ore	28	30500612	469,723	3,830,066			
30441	3044	1	Miscellaneous Fugitive PM	Quarry Ione White Clay Stockpile	Clay - White Ione	30	30500612	469,576	3,830,096			
30451	3045	1	Miscellaneous Fugitive PM	Primary Crusher	Limestone	34	30500612	469,555	3,830,036			
30461	3046	1	Miscellaneous Fugitive PM	Additives Storage Building (ASB)	ASB Bauxite Clay Blend	36	30500612	469,526	3,829,890			
30471	3047	1	Miscellaneous Fugitive PM	ASB Additives Hopper	ASB Bauxite Clay Blend	37	30500612	469,468	3,829,882			
30481	3048	1	Miscellaneous Fugitive PM	CKD Dump	CKD	39	30500612	469,818	3,829,505			
30491	3049	1	Miscellaneous Fugitive PM	Quarry Dock Coal Stockpile 14	Coal	42	30500612	470,060	3,829,650			
30501	3050	1	Miscellaneous Fugitive PM	MSB Steel Slag Stockpile	Slag	44	30500612	469,275	3,829,649			
30511	3051	1	Miscellaneous Fugitive PM	Plant Refueling Station	N/A	46	30500699	469,155	3,829,115			
30521	3052	1	Miscellaneous Fugitive PM	Quarry L5 Coal Stockpile	Coal	47	30500612	470,359	3,829,770			
30531	3053	1	Miscellaneous Fugitive PM	Shay Quarry	Limestone	50	30500612	470,188	3,829,936			
30541	3054	1	Miscellaneous Fugitive PM	Clinker I Stockpile	Clinker	51	30500616	470,203	3,829,618			
30551	3055	1	Miscellaneous Fugitive PM	Quarry Refueling Station	N/A	52	30500699	470,080	3,830,176			
30561	3056	1	Miscellaneous Fugitive PM	Additive Limestone Stockpile	Limestone	55	30500612	470,845	3,830,497			
30571	3057	1	Miscellaneous Fugitive PM	Sparkhule Waste Dump	Waste Rock	59	30500612	471,335	3,832,057			
30581	3058	1	Miscellaneous Fugitive PM	Sparkhule Quarry	Limestone	60	30500612	471,736	3,832,504			
30591	3059	1	Miscellaneous Fugitive PM	Shay Waste Dump	Waste Rock	106	30500612	470,505	3,829,475			
30601	3060	1	Miscellaneous Fugitive PM	Type II Clay Stockpile	Clay	120	30500612	469,962	3,830,230			
30611	3061	1	Miscellaneous Fugitive PM	Original Canyon Quarry	Limestone	128	30500612	471,346	3,830,570			
30621	3062	1	Miscellaneous Fugitive PM	Mack's Peak Quarry	Limestone	130	30500612	472,262	3,830,942			
30631	3063	1	Miscellaneous Fugitive PM	Aluminum Filter Cake Stockpile	Aluminum Filter Cake	138	30500612	469,833	3,829,942			
30641	3064	1	Miscellaneous Fugitive PM	Dock Rock Limestone Stockpile	Limestone	139	30500612	469,646	3,830,050			
30651	3065	1	Miscellaneous Fugitive PM	Acton Stockpile Node 140	Clay - Acton White	140	30500612	470,043	3,830,258			
30661	3066	1	Miscellaneous Fugitive PM	Slag Stockpile	Slag	142	30500612	469,291	3,829,707			
30671	3067	1	Miscellaneous Fugitive PM	Slag/Coal Hopper MSB	Slag	144	30500612	469,198	3,829,466			
30681	3068	1	Miscellaneous Fugitive PM	Quartz Quarry	Quartzite	146	30500612	470,345	3,830,366			
30691	3069	1	Miscellaneous Fugitive PM	Small Bauxite Pile	Bauxite	1000	30500612	469,935	3,830,221			
30701	3070	1	Miscellaneous Fugitive PM	Blend Quarry Pile	ASB Bauxite Clay Blend	1001	30500612	469,998	3,830,205			
30711	3071	1	Miscellaneous Fugitive PM	Bauxite & Clay Blend Stockpile	ASB Bauxite Clay Blend	1002	30500612	469,750	3,829,930			
30721	3072	1	Miscellaneous Fugitive PM	Main Mill Scale Pile	Mill Scale	1003	30500612	469,782	3,830,082			
30731	3073	1	Miscellaneous Fugitive PM	Iron Ore and Mill Scale Blend Pile	Mill Scale Iron Ore Blend	1004	30500612	469,797	3,830,072			
30741	3074	1	Miscellaneous Fugitive PM	ASB Iron Ore and Mill Scale Blend Stockpile	Mill Scale Iron Ore Blend	1005	30500612	469,513	3,829,885			
30751	3075	1	Miscellaneous Fugitive PM	Off Spec Clinker Loadout	Clinker	1006	30500612	469,118	3,829,541			
30761	3076	1	Miscellaneous Fugitive PM	Finish Mill Clinker Pile	Clinker	1007	30500612	469,092	3,829,436			
30771	3077	1	Miscellaneous Fugitive PM	Finish Mill	Clinker	1008	30500612	468,990	3,829,409			
30781	3078	1	Miscellaneous Fugitive PM	Mack's Peak Waste Dump	Waste Rock	150	30500612	472,219	3,831,188			
30791	3079	1	Miscellaneous Fugitive PM	7/8 Gypsum Stockpile	Gypsum	1011	30500612	468,964	3,829,708			
30801	3080	1	Miscellaneous Fugitive PM	Finish Mill 2	Cement	1012	30500612	469,070	3,829,671			
30811	3081	1	Miscellaneous Fugitive PM	Brick Pile, Sparkhule Quarry	Brick	1013	30500612	471,597	3,832,075			
30821	3082	1	Miscellaneous Fugitive PM	Crushed Brick pile, Sparkhule Quarry	Brick	1014	30500612	471,375	3,832,051			
30831	3083	1	Miscellaneous Fugitive PM	Crushed Limestone pile, Sparkhule Quarry	Limestone	1015	30500612	471,353	3,831,988			
30841	3084	1	Miscellaneous Fugitive PM	Finish Mill No. 2, Limestone Pile	Limestone	1016	30500612	469,088	3,829,730			
30851	3085	1	Miscellaneous Fugitive PM	Finish Mill No. 2, Gypsum Pile	Gypsum	1017	30500612	469,072	3,829,746			
30861	3086	1	Miscellaneous Fugitive PM	Laterite	laterite	1018	30500612	470,096	3,830,112			
30871	3087	1	Miscellaneous Fugitive PM	New Bauxite stockpile/offloading area	Bauxite	1020	30500612	469,973	3,830,085			
30881	3088	1	Miscellaneous Fugitive PM	New Gray Clay (2/5) stockpile/ offloading area	clay	1021	30500612	469,888	3,830,090			
30891	3089	1	Miscellaneous Fugitive PM	Polycom Slag Stockpile	Slag	1022	30500612	469,223	3,829,788			

CalPortland Oro Grande Reporting Year 2019 CEIR Volume Source Emissions Summary

HARP Identifiers			Facility Information[1, 2, 3]			Transfer Properties[5, 6, 7, 8]				Particle Size Multiplier[9]		
Stack ID	Device ID	Process ID	Type	Description	Material	Material Moisture Content (%)	Allocated Fraction	Maximum Throughput (tph)	Control Efficiency (%)	PM	PM10	PM2.5
30011	3001	1	Material Handling	ASB Bauxite to ASB Hopper	Bauxite	8.63	1.00	50	0.00	1	0.35	0.053
30021	3002	1	Material Handling	ASB Clay to ASB Hopper	Clay	10	1.00	50	0.00			
30031	3003	1	Material Handling	Bauxite from Quarry to ASB, Truck to ASB Bauxite Stockpile	Bauxite	8.63	1.00	120	75.00			
30041	3004	1	Material Handling	Carbon Bin	Carbon	10	1.00	50	0.00			
30051	3005	1	Material Handling	Cement Loadout Stn 1 - Rail	Cement	0.2	0.07	50	99.90			
30061	3006	1	Material Handling	Cement Loadout Stn 2/3 - Rail	Cement	0.2	0.07	50	99.90			
30071	3007	1	Material Handling	Cement Loadout Stn 2/3 - Truck	Cement	0.2	0.07	50	99.90			
30081	3008	1	Material Handling	Cement Loadout Stn 4 - Truck	Cement	0.2	0.11	50	100.00			
30091	3009	1	Material Handling	Cement Loadout Stn 5/6	Cement	0.2	0.68	50	99.90			
30101	3010	1	Material Handling	UdyBin	Clinker	0.2	1.00	50	99.90			
30111	3011	1	Material Handling	Clinker Type II/V Dome	Clinker	0.2	1.00	50	99.00			
30121	3012	1	Material Handling	Clinker Type III Dome Fugitives	Clinker	0.2	0.00	50	0.00			
30131	3013	1	Material Handling	Coal from L5 to MSB, Loader to Truck	Coal	6.9	0.02	50	0.00			
30141	3014	1	Material Handling	Coal from L5 to MSB, Truck to Stockpile	Coal	6.9	0.02	426	75.00			
30151	3015	1	Material Handling	Coal Rail Unloading Hopper	Coal	6.9	1.00	50	75.00			
30161	3016	1	Material Handling	Comet Quarry Waste, Loader to Truck	Quarry Overburden	0.5	1.00	50	0.00			
30171	3017	1	Material Handling	Comet Quarry Waste, Truck to Comet Quarry Waste Dump	Quarry Overburden	0.5	1.00	50	0.00			
30181	3018	1	Material Handling	Finish Mill Temporary Transfer Pile	Gypsum	2.12	1.00	50	0.00			
30191	3019	1	Material Handling	Gypsum from Quarry to Finish Mill, Truck to Hopper	Gypsum	2.12	1.00	50	0.00			
30201	3020	1	Material Handling	Ione Clay from Quarry to ASB, Truck to ASB Clay Stockpile	Clay	10	1.00	50	75.00			
30211	3021	1	Material Handling	Iron Ore from Quarry to ASB, Truck to ASB	Iron Ore	4.78	1.00	50	75.00			
30221	3022	1	Material Handling	Iron Ore to ASB Hopper	Iron Ore	4.78	1.00	50	0.00			
30231	3023	1	Material Handling	Lime Bin	Lime	10	1.00	50	0.00			
30241	3024	1	Material Handling	Limestone to #1 Hammermill, No. 1 Feeder to Conveyor	Limestone	1.6	0.50	538	50.00			
30251	3025	1	Material Handling	Limestone to #2 Hammermill, No. 2 Feeder to Conveyor	Limestone	1.6	0.50	538	50.00			
30261	3026	1	Material Handling	Limestone to Finish Mill, Loader to Truck	Limestone	1.6	1.00	50	0.00			
30271	3027	1	Material Handling	Limestone to Surge Bin, No. 1 Conveyor to Surge Bin	Limestone	1.6	1.00	538	50.00			
30281	3028	1	Material Handling	MSB Coal to Hopper	Coal	6.9	1.00	50	75.00			
30291	3029	1	Material Handling	MSB Stacker to Pile	Coal	6.9	1.00	50	75.00			
30301	3030	1	Material Handling	Raw Material Dome Fugitives	Limestone	1.6	0.33	17	99.50			
30311	3031	1	Material Handling	Raw Material Dome Fugitives	Limestone	1.6	0.33	17	99.50			
30321	3032	1	Material Handling	Raw Material Dome Fugitives	Limestone	1.6	0.33	17	99.50			
30331	3033	1	Material Handling	Shay Quarry Waste, Truck to Shay Klondike Waste Dump	Quarry Overburden	0.5	1.00	33	0.00			
30341	3034	1	Material Handling	Slag from Quarry to MSB, Loader to Truck	Slag	0.92	1.00	50	0.00			
30351	3035	1	Material Handling	Slag from Quarry to MSB, Truck to Stockpile	Slag	0.92	1.00	50	75.00			
30361	3036	1	Material Handling	Total Limestone - all quarries, Truck to Primary Crusher	Limestone	1.6	1.00	426	85.00			
30371	3037	1	Material Handling	Sparkhule Quarry Waste, Truck to Sparkhule Waste Dump	Quarry Overburden	0.5	1.00	67	0.00			
30381	3038	1	Miscellaneous Fugitive PM	Finish Mill Sampson Feed Hopper	Finish Mill Feed							
30391	3039	1	Miscellaneous Fugitive PM	Clinker Loadout	Clinker							
30401	3040	1	Miscellaneous Fugitive PM	Gypsum Stockpile Node 19	Gypsum							
30411	3041	1	Miscellaneous Fugitive PM	Quarry Steel Slag Stockpile	Slag							
30421	3042	1	Miscellaneous Fugitive PM	Quarry Bauxite Stockpile	Bauxite							
30431	3043	1	Miscellaneous Fugitive PM	Quarry Iron Ore Stockpile Delivery	Iron Ore							
30441	3044	1	Miscellaneous Fugitive PM	Quarry Ione White Clay Stockpile	Clay - White Ione							
30451	3045	1	Miscellaneous Fugitive PM	Primary Crusher	Limestone							
30461	3046	1	Miscellaneous Fugitive PM	Additives Storage Building (ASB)	ASB Bauxite Clay Blend							
30471	3047	1	Miscellaneous Fugitive PM	ASB Additives Hopper	ASB Bauxite Clay Blend							
30481	3048	1	Miscellaneous Fugitive PM	CKD Dump	CKD							
30491	3049	1	Miscellaneous Fugitive PM	Quarry Dock Coal Stockpile 14	Coal							
30501	3050	1	Miscellaneous Fugitive PM	MSB Steel Slag Stockpile	Slag							
30511	3051	1	Miscellaneous Fugitive PM	Plant Refueling Station	N/A							
30521	3052	1	Miscellaneous Fugitive PM	Quarry L5 Coal Stockpile	Coal							
30531	3053	1	Miscellaneous Fugitive PM	Shay Quarry	Limestone							
30541	3054	1	Miscellaneous Fugitive PM	Clinker I Stockpile	Clinker							
30551	3055	1	Miscellaneous Fugitive PM	Quarry Refueling Station	N/A							
30561	3056	1	Miscellaneous Fugitive PM	Additive Limestone Stockpile	Limestone							
30571	3057	1	Miscellaneous Fugitive PM	Sparkhule Waste Dump	Waste Rock							
30581	3058	1	Miscellaneous Fugitive PM	Sparkhule Quarry	Limestone							
30591	3059	1	Miscellaneous Fugitive PM	Shay Waste Dump	Waste Rock							
30601	3060	1	Miscellaneous Fugitive PM	Type II Clay Stockpile	Clay							
30611	3061	1	Miscellaneous Fugitive PM	Original Canyon Quarry	Limestone							
30621	3062	1	Miscellaneous Fugitive PM	Mack's Peak Quarry	Limestone							
30631	3063	1	Miscellaneous Fugitive PM	Aluminum Filter Cake Stockpile	Aluminum Filter Cake							
30641	3064	1	Miscellaneous Fugitive PM	Dock Rock Limestone Stockpile	Limestone							
30651	3065	1	Miscellaneous Fugitive PM	Acton Stockpile Node 140	Clay - Acton White							
30661	3066	1	Miscellaneous Fugitive PM	Slag Stockpile	Slag							
30671	3067	1	Miscellaneous Fugitive PM	Slag/Coal Hopper MSB	Slag							
30681	3068	1	Miscellaneous Fugitive PM	Quartz Quarry	Quartzite							
30691	3069	1	Miscellaneous Fugitive PM	Small Bauxite Pile	Bauxite							
30701	3070	1	Miscellaneous Fugitive PM	Blend Quarry Pile	ASB Bauxite Clay Blend							
30711	3071	1	Miscellaneous Fugitive PM	Bauxite & Clay Blend Stockpile	ASB Bauxite Clay Blend							
30721	3072	1	Miscellaneous Fugitive PM	Main Mill Scale Pile	Mill Scale							
30731	3073	1	Miscellaneous Fugitive PM	Iron Ore and Mill Scale Blend Pile	Mill Scale Iron Ore Blend							
30741	3074	1	Miscellaneous Fugitive PM	ASB Iron Ore and Mill Scale Blend Stockpile	Mill Scale Iron Ore Blend							
30751	3075	1	Miscellaneous Fugitive PM	Off Spec Clinker Loadout	Clinker							
30761	3076	1	Miscellaneous Fugitive PM	Finish Mill Clinker Pile	Clinker							
30771	3077	1	Miscellaneous Fugitive PM	Finish Mill	Clinker							
30781	3078	1	Miscellaneous Fugitive PM	Mack's Peak Waste Dump	Waste Rock							
30791	3079	1	Miscellaneous Fugitive PM	7/8 Gypsum Stockpile	Gypsum							
30801	3080	1	Miscellaneous Fugitive PM	Finish Mill 2	Cement							
30811	3081	1	Miscellaneous Fugitive PM	Brick Pile, Sparkhule Quarry	Brick							
30821	3082	1	Miscellaneous Fugitive PM	Crushed Brick pile, Sparkhule Quarry	Brick							
30831	3083	1	Miscellaneous Fugitive PM	Crushed Limestone pile, Sparkhule Quarry	Limestone							
30841	3084	1	Miscellaneous Fugitive PM	Finish Mill No. 2, Limestone Pile	Limestone							
30851	3085	1	Miscellaneous Fugitive PM	Finish Mill No. 2, Gypsum Pile	Gypsum							
30861	3086	1	Miscellaneous Fugitive PM	Laterite	laterite							
30871	3087	1	Miscellaneous Fugitive PM	New Bauxite stockpile/offloading area	Bauxite							
30881	3088	1	Miscellaneous Fugitive PM	New Gray Clay (2/5) stockpile/ offloading area	clay							
30891	3089	1	Miscellaneous Fugitive PM	Polycom Slag Stockpile	Slag							

CalPortland Oro Grande Reporting Year 2019 CEIR Volume Source Emissions Summary

HARP Identifiers			Facility Information[1, 2, 3]			Emission Factors[10]				Emissions (lb/hr)[11, 12, 13]				Emissions (tpy)[14, 15, 16]				Additional HARP Values				
																			11101	85101	88101	7439921
																		Process	EF (lb/ton)			
Stack ID	Device ID	Process ID	Type	Description	Material	PM	PM10	PM2.5	Units	PM	PM10	PM2.5	Lead	PM	PM10	PM2.5	Lead	Rate (tpy)	PM	PM10	PM2.5	Lead
30011	3001	1	Material Handling	ASB Bauxite to ASB Hopper	Bauxite	7.24E-04	2.54E-04	3.84E-05	lb/ton	3.62E-02	1.27E-02	1.92E-03	2.96E-07	1.43E-02	5.00E-03	7.57E-04	1.17E-07	39,411	7.24E-04	2.54E-04	3.84E-05	5.92E-09
30021	3002	1	Material Handling	ASB Clay to ASB Hopper	Clay	5.89E-04	2.06E-04	3.12E-05	lb/ton	2.95E-02	1.03E-02	1.56E-03	0.00E+00	2.33E-03	8.17E-04	1.24E-04	0.00E+00	7,923	5.89E-04	2.06E-04	3.12E-05	0.00E+00
30031	3003	1	Material Handling	Bauxite from Quarry to ASB, Truck to ASB Bauxite Stockpile	Bauxite	7.24E-04	2.54E-04	3.84E-05	lb/ton	2.17E-02	7.61E-03	1.15E-03	1.77E-07	4.51E-03	1.58E-03	2.39E-04	3.69E-08	49,847	1.81E-04	6.34E-05	9.60E-06	1.48E-09
30041	3004	1	Material Handling	Carbon Bin	Carbon	5.89E-04	2.06E-04	3.12E-05	lb/ton	2.95E-02	1.03E-02	1.56E-03	0.00E+00	1.07E-04	3.74E-05	5.67E-06	0.00E+00	363	5.89E-04	2.06E-04	3.12E-05	0.00E+00
30051	3005	1	Material Handling	Cement Loadout Stn 1 - Rail	Cement	1.41E-01	4.93E-02	7.47E-03	lb/ton	4.58E-04	1.60E-04	2.43E-05	1.33E-08	8.06E-03	2.82E-03	4.27E-04	2.34E-07	114,453	1.41E-04	4.93E-05	7.47E-06	4.09E-09
30061	3006	1	Material Handling	Cement Loadout Stn 2/3 - Rail	Cement	1.41E-01	4.93E-02	7.47E-03	lb/ton	4.58E-04	1.60E-04	2.43E-05	1.33E-08	8.06E-03	2.82E-03	4.27E-04	2.34E-07	114,453	1.41E-04	4.93E-05	7.47E-06	4.09E-09
30071	3007	1	Material Handling	Cement Loadout Stn 2/3 - Truck	Cement	1.41E-01	4.93E-02	7.47E-03	lb/ton	5.25E-04	1.84E-04	2.78E-05	1.52E-08	9.25E-03	3.24E-03	4.90E-04	2.68E-07	131,307	1.41E-04	4.93E-05	7.47E-06	4.09E-09
30081	3008	1	Material Handling	Cement Loadout Stn 4 - Truck	Cement	1.41E-01	4.93E-02	7.47E-03	lb/ton	3.94E-05	1.38E-05	2.09E-06	1.14E-09	6.94E-04	2.43E-04	3.68E-05	2.01E-08	196,960	7.05E-06	2.47E-06	3.73E-07	2.04E-10
30091	3009	1	Material Handling	Cement Loadout Stn 5/6	Cement	1.41E-01	4.93E-02	7.47E-03	lb/ton	4.82E-03	1.69E-03	2.55E-04	1.40E-07	8.48E-02	2.97E-02	4.49E-03	2.46E-06	1,203,646	1.41E-04	4.93E-05	7.47E-06	4.09E-09
30101	3010	1	Material Handling	UdyBin	Clinker	1.41E-01	4.93E-02	7.47E-03	lb/ton	7.05E-03	2.47E-03	3.73E-04	5.05E-07	1.05E-03	3.66E-04	5.55E-05	7.50E-08	14,851	1.41E-04	4.93E-05	7.47E-06	1.01E-08
30111	3011	1	Material Handling	Clinker Type II/V Dome	Clinker	1.41E-01	4.93E-02	7.47E-03	lb/ton	7.05E-02	2.47E-02	3.73E-03	5.05E-06	9.43E-01	3.30E-01	5.00E-02	6.76E-05	1,338,749	1.41E-03	4.93E-04	7.47E-05	1.01E-07
30121	3012	1	Material Handling	Clinker Type III Dome Fugitives	Clinker	1.41E-01	4.93E-02	7.47E-03	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30131	3013	1	Material Handling	Coal from L5 to MSB, Loader to Truck	Coal	9.91E-04	3.47E-04	5.25E-05	lb/ton	9.91E-04	3.47E-04	5.25E-05	1.92E-09	2.16E-03	7.54E-04	1.14E-04	4.17E-09	4,350	9.91E-04	3.47E-04	5.25E-05	1.92E-09
30141	3014	1	Material Handling	Coal from L5 to MSB, Truck to Stockpile	Coal	9.91E-04	3.47E-04	5.25E-05	lb/ton	2.11E-03	7.39E-04	1.12E-04	4.08E-09	5.39E-04	1.89E-04	2.86E-05	1.04E-09	4,350	2.48E-04	8.67E-05	1.31E-05	4.79E-10
30151	3015	1	Material Handling	Coal Rail Unloading Hopper	Coal	9.91E-04	3.47E-04	5.25E-05	lb/ton	1.24E-02	4.33E-03	6.56E-04	2.39E-08	2.68E-02	9.38E-03	1.42E-03	5.18E-08	216,352	2.48E-04	8.67E-05	1.31E-05	4.79E-10
30161	3016	1	Material Handling	Comet Quarry Waste, Loader to Truck	Quarry Overburden	3.91E-02	1.37E-02	2.07E-03	lb/ton	1.95E+00	6.84E-01	1.04E-01	9.90E-06	4.53E+01	1.59E+01	2.40E+00	2.29E-04	2,318,665	3.91E-02	1.37E-02	2.07E-03	1.98E-07
30171	3017	1	Material Handling	Comet Quarry Waste, Truck to Comet Quarry Waste Dump	Quarry Overburden	3.91E-02	1.37E-02	2.07E-03	lb/ton	1.95E+00	6.84E-01	1.04E-01	9.90E-06	4.53E+01	1.59E+01	2.40E+00	2.29E-04	2,318,665	3.91E-02	1.37E-02	2.07E-03	1.98E-07
30181	3018	1	Material Handling	Finish Mill Temporary Transfer Pile	Gypsum	5.17E-03	1.81E-03	2.74E-04	lb/ton	2.59E-01	9.05E-02	1.37E-02	0.00E+00	1.74E-01	6.11E-02	9.25E-03	0.00E+00	67,493	5.17E-03	1.81E-03	2.74E-04	0.00E+00
30191	3019	1	Material Handling	Gypsum from Quarry to Finish Mill, Truck to Hopper	Gypsum	5.17E-03	1.81E-03	2.74E-04	lb/ton	2.59E-01	9.05E-02	1.37E-02	0.00E+00	1.74E-01	6.11E-02	9.25E-03	0.00E+00	67,493	5.17E-03	1.81E-03	2.74E-04	0.00E+00
30201	3020	1	Material Handling	Ione Clay from Quarry to ASB, Truck to ASB Clay Stockpile	Clay	5.89E-04	2.06E-04	3.12E-05	lb/ton	7.37E-03	2.58E-03	3.90E-04	0.00E+00	1.51E-03	5.27E-04	7.98E-05	0.00E+00	20,447	1.47E-04	5.16E-05	7.81E-06	0.00E+00
30211	3021	1	Material Handling	Iron Ore from Quarry to ASB, Truck to ASB	Iron Ore	1.66E-03	5.80E-04	8.78E-05	lb/ton	2.07E-02	7.25E-03	1.10E-03	1.57E-06	6.76E-03	2.37E-03	3.58E-04	5.11E-07	32,637	4.14E-04	1.45E-04	2.19E-05	3.13E-08
30221	3022	1	Material Handling	Iron Ore to ASB Hopper	Iron Ore	1.66E-03	5.80E-04	8.78E-05	lb/ton	8.28E-02	2.90E-02	4.39E-03	6.27E-06	2.67E-02	9.34E-03	1.41E-03	2.02E-06	32,215	1.66E-03	5.80E-04	8.78E-05	1.25E-07
30231	3023	1	Material Handling	Lime Bin	Lime	5.89E-04	2.06E-04	3.12E-05	lb/ton	2.95E-02	1.03E-02	1.56E-03	8.45E-07	9.50E-04	3.32E-04	5.03E-05	2.72E-08	3,223	5.89E-04	2.06E-04	3.12E-05	1.69E-08
30241	3024	1	Material Handling	Limestone to #1 Hammermill, No. 1 Feeder to Conveyor	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	1.03E+00	3.61E-01	5.47E-02	2.96E-05	2.14E+00	7.48E-01	1.13E-01	6.13E-05	1,115,262	3.83E-03	1.34E-03	2.03E-04	1.10E-07
30251	3025	1	Material Handling	Limestone to #2 Hammermill, No. 2 Feeder to Conveyor	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	1.03E+00	3.61E-01	5.47E-02	2.96E-05	2.14E+00	7.48E-01	1.13E-01	6.13E-05	1,115,262	3.83E-03	1.34E-03	2.03E-04	1.10E-07
30261	3026	1	Material Handling	Limestone to Finish Mill, Loader to Truck	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	3.83E-01	1.34E-01	2.03E-02	1.10E-05	2.43E-01	8.51E-02	1.29E-02	6.97E-06	63,430	7.67E-03	2.68E-03	4.06E-04	2.20E-07
30271	3027	1	Material Handling	Limestone to Surge Bin, No. 1 Conveyor to Surge Bin	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	2.06E+00	7.22E-01	1.09E-01	5.91E-05	4.28E+00	1.50E+00	2.27E-01	1.23E-04	2,232,457	3.83E-03	1.34E-03	2.03E-04	1.10E-07
30281	3028	1	Material Handling	MSB Coal to Hopper	Coal	9.91E-04	3.47E-04	5.25E-05	lb/ton	1.24E-02	4.33E-03	6.56E-04	2.39E-08	2.69E-02	9.43E-03	1.43E-03	5.21E-08	217,510	2.48E-04	8.67E-05	1.31E-05	4.79E-10
30291	3029	1	Material Handling	MSB Stacker to Pile	Coal	9.91E-04	3.47E-04	5.25E-05	lb/ton	1.24E-02	4.33E-03	6.56E-04	2.39E-08	2.68E-02	9.38E-03	1.42E-03	5.18E-08	216,352	2.48E-04	8.67E-05	1.31E-05	4.79E-10
30301	3030	1	Material Handling	Raw Material Dome Fugitives	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	2.13E-04	7.45E-05	1.13E-05	6.10E-09	1.43E-02	4.99E-03	7.56E-04	4.09E-07	744,152	3.83E-05	1.34E-05	2.03E-06	1.10E-09
30311	3031	1	Material Handling	Raw Material Dome Fugitives	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	2.13E-04	7.45E-05	1.13E-05	6.10E-09	1.43E-02	4.99E-03	7.56E-04	4.09E-07	744,152	3.83E-05	1.34E-05	2.03E-06	1.10E-09
30321	3032	1	Material Handling	Raw Material Dome Fugitives	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	2.13E-04	7.45E-05	1.13E-05	6.10E-09	1.43E-02	4.99E-03	7.56E-04	4.09E-07	744,152	3.83E-05	1.34E-05	2.03E-06	1.10E-09
30331	3033	1	Material Handling	Shay Quarry Waste, Truck to Shay Klondike Waste Dump	Quarry Overburden	3.91E-02	1.37E-02	2.07E-03	lb/ton	1.29E+00	4.51E-01	6.83E-02	6.53E-06	2.27E+00	7.94E-01	1.20E-01	1.15E-05	116,090	3.91E-02	1.37E-02	2.07E-03	1.98E-07
30341	3034	1	Material Handling	Slag from Quarry to MSB, Loader to Truck	Slag	1.66E-02	5.82E-03	8.82E-04	lb/ton	8.32E-01	2.91E-01	4.41E-02	4.24E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05	32,655	1.66E-02	5.82E-03	8.82E-04	8.48E-07
30351	3035	1	Material Handling	Slag from Quarry to MSB, Truck to Stockpile	Slag	1.66E-02	5.82E-03	8.82E-04	lb/ton	2.08E-01	7.28E-02	1.10E-02	1.06E-05	6.79E-02	2.38E-02	3.60E-03	3.46E-06	32,655	4.16E-03	1.46E-03	2.20E-04	2.12E-07
30361	3036	1	Material Handling	Total Limestone - all quarries, Truck to Primary Crusher	Limestone	7.67E-03	2.68E-03	4.06E-04	lb/ton	4.90E-01	1.71E-01	2.60E-02	1.40E-05	1.28E+00	4.49E-01	6.80E-02	3.68E-05	2,230,524	1.15E-03	4.02E-04	6.09E-05	3.30E-08
30371	3037	1	Material Handling	Sparkhule Quarry Waste, Truck to Sparkhule Waste Dump	Quarry Overburden	3.91E-02	1.37E-02	2.07E-03	lb/ton	2.62E+00	9.16E-01	1.39E-01	1.33E-05	4.53E+01	1.59E+01	2.40E+00	2.29E-04	2,318,665	3.91E-02	1.37E-02	2.07E-03	1.98E-07
30381	3038	1	Miscellaneous Fugitive PM	Finish Mill Sampson Feed Hopper	Finish Mill Feed					1.36E+00	4.76E-01	7.20E-02	3.54E-05	1.61E+00	5.64E-01	8.54E-02	8.72E-05	154,436	2.09E-02	7.30E-03	1.11E-03	1.13E-06
30391	3039	1	Miscellaneous Fugitive PM	Clinker Loadout	Clinker					7.05E+00	2.47E+00	3.73E-01	5.05E-04	1.05E+00	3.66E-01	5.55E-02	7.50E-05	14,851	1.41E-01	4.93E-02	7.47E-03	1.01E-05
30401	3040	1	Miscellaneous Fugitive PM	Gypsum Stockpile Node 19	Gypsum					5.17E-01	1.81E-01	2.74E-02	0.00E+00	4.88E-01	1.71E-01	2.58E-02	0.00E+00	188,599	5.17E-03	1.81E-03	2.74E-04	0.00E+00
30411	3041	1	Miscellaneous Fugitive PM	Quarry Steel Slag Stockpile	Slag					1.66E+00	5.82E-01	8.82E-02	8.48E-05	4.76E-01	1.67E-01	2.52E-02	2.43E-05	89,906	1.06E-02	3.71E-03	5.61E-04	5.40E-07
30421	3042	1	Miscellaneous Fugitive PM	Quarry Bauxite Stockpile	Bauxite					1.68E-01	5.86E-02	8.88E-03	1.26E-06	5.82E-02	2.04E-02	3.09E-03	4.19E-07	168,080	6.93E-04	2.42E-04	3.67E-05	4.98E-09
30431	3043	1	Miscellaneous Fugitive PM	Quarry Iron Ore Stockpile Delivery	Iron Ore					2.29E-01	8.02E-02	1.22E-02	1.73E-05	8.04E-02	2.81E-02	4.26E-03	6.08E-06	97,067	1.66E-03	5.80E-04	8.78E-05	1.25E-07
30441	3044	1	Miscellaneous Fugitive PM	Quarry Ione White Clay Stockpile	Clay - White Ione					5.89E-02	2.06E-02	3.12E-03	0.00E+00	1.38E-02	4.84E-03	7.33E-04	0.00E+00	46,905	5.89E-04	2.06E-04	3.12E-05	0.00E+00
30451	3045	1	Miscellaneous Fugitive PM	Primary Crusher	Limestone					3.83E-01	1.34E-01	2.03E-02	1.10E-05	8.55E+00	2.99E+00	4.53E-01	2.45E-04	2,255,960	7.58E-03	2.65E-03	4.02E-04	2.17E-07
30461	3046	1	Miscellaneous Fugitive PM	Additives Storage Building (ASB)	ASB Bauxite Clay Blend					1.41E-01	4.92E-02	7.45E-03	3.38E-06	3.87E-02	1.35E-02	2.05E-03	1.10E-06	429,820	1.80E-04	6.30E-05	9.54E-06	5.10E-09
30471	3047	1	Miscellaneous Fugitive PM	ASB Additives Hopper	ASB Bauxite Clay Blend					8.46E-01	2.96E-01	4.49E-02	5.49E-05	4.06E-01	1.42E-01	2.15E-02	2.83E-05	188,478	4.30E-03	1.51E-03	2.28E-04	3.00E-07
30481	3048	1	Miscellaneous Fugitive PM	CKD Dump	CKD					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30491	3049	1	Miscellaneous Fugitive PM	Quarry Dock Coal Stockpile 14	Coal					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30501	3050	1	Miscellaneous Fugitive PM	MSB Steel Slag Stockpile	Slag					1.36E-02	4.77E-03	7.22E-04	2.63E-08	2.83E-02	9.90E-03	1.50E-03	5.47E-08	228,386	2.48E-04	8.67E-05	1.31E-05	4.79E-10
30511	3051	1	Miscellaneous Fugitive PM	Plant Refueling Station	N/A					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	111,479	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30521	3052	1	Miscellaneous Fugitive PM	Quarry L5 Coal Stockpile	Coal					4.95E-03	1.73E-03	2.63E-04	9.58E-09	5.39E-03	1.89E-03	2.86E-04	1.04E-08	10,876	9.91E-04	3.47E-04	5.25E-05	1.92E-09
30531	3053	1	Miscellaneous Fugitive PM	Shay Quarry	Limestone					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30541	3054	1	Miscellaneous Fugitive PM	Clinker I Stockpile	Clinker					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
30551	3055	1	Miscellaneous Fugitive PM	Quarry Refueling Station	N/A					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	619,287	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30561	3056	1	Miscellaneous Fugitive PM	Additive Limestone Stockpile	Limestone					7.67E-01	2.68E-01	4.06E-02	2.20E-05	2.43E-01	8.51E-02	1.29E-02	6.97E-06	63,430	7.67E-03	2.68E-03	4.06E-04	2.20E-07
30571	3057	1	Miscellaneous Fugitive PM	Sparkhule Waste Dump	Waste Rock					1.95E+00	6.84E-01	1.04E-01	9.90E-06	4.53E+01	1.59E+01	2.40E+00	2.29E-04	2,318,665	3.91E-02	1.37E-02	2.07E-03	1.98E-07
30581	3058	1	Miscellaneous Fugitive PM	Sparkhule Quarry	Limestone					5.25E+00	1.84E+00	2.78E-01	1.04E-04	6.24E+01	2.18E+01	3.31E+00	7.20E-04	9,010,237	1.38E-02	4.85E-03	7.34E-04	1.60E-07
30591	3059	1	Miscellaneous Fugitive PM	Shay Waste Dump	Waste Rock					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30601	3060	1	Miscellaneous Fugitive PM	Type II Clay Stockpile	Clay					5.89E-02	2.06E-02	3.12E-03	0.00E+00	1.38E-02	4.84E-03	7.33E-04	0.00E+00	46,905	5.89E-04	2.06E-04	3.12E-05	0.00E+00
30611	3061	1	Miscellaneous Fugitive PM	Original Canyon Quarry	Limestone					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30621	3062	1	Miscellaneous Fugitive PM	Mack's Peak Quarry	Limestone					1.95E+00	6.84E-01	1.04E-01	9.90E-06	1.74E+00	6.09E-01	9.23E-02	8.82E-06	89,110	3.91E-02	1.37E-02	2.07E-03	1.98E-07
30631	3063	1	Miscellaneous Fugitive PM	Aluminum Filter Cake Stockpile	Aluminum Filter Cake					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30641	3064	1	Miscellaneous Fugitive PM	Dock Rock Limestone Stockpile	Limestone					1.53E-01	5.37E-02	8.13E-03	4.40E-06	3.42E+00	1.20E+00	1.81E-01	9.80E-05	892,210	7.67E-03	2.68E-03	4.06E-04	2.20E-07
30651	3065	1	Miscellaneous Fugitive PM	Acton Stockpile Node 140	Clay - Acton White					8.84E-02	3.09E-02	4.69E-03	0.00E+00	7.38E-03	2.58E-03	3.91E-04	0.00E+00	25,058	5.89E-04	2.06E-04	3.12E-05	0.00E+00
30661	3066	1	Miscellaneous Fugitive PM	Slag Stockpile	Slag					1.66E+00	5.82E-01	8.82E-02	8.48E-05	5.43E-01	1.90E-01	2.88E-02	2.77E-05	65,310	1.66E-02	5.82E-03	8.82E-04	8.48E-07
30671	3067	1	Miscellaneous Fugitive PM	Slag/Coal Hopper MSB	Slag					8.81E-01	3.08E-01	4.67E-02	4.25E-05	3.79E-01	1.33E-01	2.01E-02	1.41E-05	282,820	2.68E-03	9.39E-04	1.42E-04	9.94E-08
30681	3068	1	Miscellaneous Fugitive PM	Quartz Quarry	Quartzite					3.83E-01	1.34E-01	2.03E-02	1.94E-06	3.96E-01	1.39E-01	2.10E-02	2.01E-06	103,374	7.67E-03	2.68E-03	4.06E-04	3.88E-08
30691	3069	1	Miscellaneous Fugitive PM	Small Bauxite Pile	Bauxite					1.00E-01	3.51E-02	5.31E-03	8.19E-07	2.85E-02	9.99E-03	1.51E-03	2.33E-07	39,411	1.45E-03	5.07E-04	7.68E-05	1.18E-08
30701	3070	1	Miscellaneous Fugitive PM	Blend Quarry Pile	ASB Bauxite Clay Blend					8.67E-02	3.04E-02	4.60E-03	4.20E-07	2.94E-02	1.03E-02	1.56E-03	1.66E-07	51,426	1.14E-03	4.01E-04	6.07E-05	6.46E-09
30711	3071	1	Miscellaneous Fugitive PM	Bauxite & Clay Blend Stockpile	ASB Bauxite Clay Blend					1.04E-01	3.65E-02	5.52E-03	3.40E-07	3.88E-02	1.36E-02	2.06E-03	1.27E-07	51,426	1.51E-03	5.28E-04	8.00E-05	4.93E-09
30721	3072	1	Miscellaneous Fugitive PM	Main Mill Scale Pile	Mill Scale					1.09E+00	3.81E-01	5.77E-02	5.55E-05	1.47E-01	5.15E-02	7.81E-03	7.51E-06	9,326	3.16E-02	1.11E-02	1.67E-03	1.61E-06
30731	3073	1	Miscellaneous Fugitive PM	Iron Ore and Mill Scale Blend Pile	Mill Scale Iron Ore Blend					2.37E+00	8.28E-01	1.25E-01	1.63E-04	4.50E-01	1.57E-01	2.38E-02	3.21E-05	41,541	2.17E-02	7.58E-03	1.15E-03	1.55E-06
30741	3074	1	Miscellaneous Fugitive PM	ASB Iron Ore and Mill Scale Blend Stockpile	Mill Scale Iron Ore Blend					5.76E-01	2.01E-01	3.05E-02	4.36E-05	1.73E-01	6.05E-02	9.16E-03	1.31E-05	41,541	8.32E-03	2.91E-03	4.41E-04	6.29E-07
30751	3075	1	Miscellaneous Fugitive PM	Off Spec Clinker Loadout	Clinker					1.41E-01	4.93E-02	7.47E-03	1.01E-05	1.10E+00	3.87E-01	5.85E-02	7.91E-05	1,567,542	1.41E-03	4.93E-04	7.47E-05	1.01E-07
30761	3076	1	Miscellaneous Fugitive PM	Finish Mill Clinker Pile	Clinker					2.82E-01	9.86E-02	1.49E-02	2.02E-05	2.21E+00	7.73E-01	1.17E-01	1.58E-04	1,567,542	2.82E-03	9.86E-04	1.49E-04	2.02E-07
30771	3077	1	Miscellaneous Fugitive PM	Finish Mill	Clinker					4.49E-01	1.57E-01	2.38E-02	2.29E-05	6.97E-02	2.44E-02	3.69E-03	3.55E-06	1,567,542	8.89E-05	3.11E-05	4.71E-06	4.53E-09
30781	3078	1	Miscellaneous Fugitive PM	Mack's Peak Waste Dump	Waste Rock					1.95E+00	6.84E-01	1.04E-01	9.90E-06	1.74E+00	6.09E-01	9.23E-02	8.82E-06	89,110	3.91E-02	1.37E-02	2.07E-03	1.98E-07
30791	3079	1	Miscellaneous Fugitive PM	7/8 Gypsum Stockpile	Gypsum					2.69E-01	9.41E-02	1.42E-02	0.00E+00	2.27E-01	7.94E-02	1.20E-02	0.00E+00	87,751	5.17E-03	1.81E-03	2.74E-04	0.00E+00
30801	3080	1	Miscellaneous Fugitive PM	Finish Mill 2	Cement					6.42E-01	2.25E-01	3.40E-02	1.10E-05	2.32E-01	8.12E-02	1.23E-02	2.65E-06	78,099	5.94E-03	2.08E-03	3.15E-04	6.78E-08
30811	3081	1	Miscellaneous Fugitive PM	Brick Pile, Sparkhule Quarry	Brick					2.94E-01	1.03E-01	1.56E-02	0.00E+00	4.88E-02	1.71E-02	2.58E-03	0.00E+00	12,718	7.67E-03	2.68E-03	4.06E-04	0.00E+00
30821	3082	1	Miscellaneous Fugitive PM	Crushed Brick pile, Sparkhule Quarry	Brick					1.83E+00	6.40E-01	9.69E-02	0.00E+00	1.46E-01	5.12E-02	7.75E-03	0.00E+00	38,154	7.67E-03	2.68E-03	4.06E-04	0.00E+00
30831	3083	1	Miscellaneous Fugitive PM	Crushed Limestone pile, Sparkhule Quarry	Limestone					7.67E-01	2.68E-01	4.06E-02	2.20E-05	9.24E-02	3.23E-02	4.90E-03	2.65E-06	24,094	7.67E-03	2.68E-03	4.06E-04	2.20E-07
30841	3084	1	Miscellaneous Fugitive PM	Finish Mill No. 2, Limestone Pile	Limestone					1.15E+00	4.02E-01	6.09E-02	3.30E-05	1.85E-01	6.47E-02	9.79E-03	5.30E-06	48,188	7.67E-03	2.68E-03	4.06E-04	2.20E-07
30851	3085	1	Miscellaneous Fugitive PM	Finish Mill No. 2, Gypsum Pile	Gypsum					1.99E-01	6.97E-02	1.05E-02	0.00E+00	1.05E-01	3.67E-02	5.55E-03	0.00E+00	40,516	5.17E-03	1.81E-03	2.74E-04	0.00E+00
30861	3086	1	Miscellaneous Fugitive PM	Laterite	laterite					2.55E-02	8.92E-03	1.35E-03	0.00E+00	3.13E-04	1.10E-04	1.66E-05	0.00E+00	2,457	2.55E-04	8.92E-05	1.35E-05	0.00E+00
30871	3087	1	Miscellaneous Fugitive PM	New Bauxite stockpile/offloading area	Bauxite					9.20E-02	3.22E-02	4.88E-03	7.51E-07	2.85E-02	9.99E-03	1.51E-03	2.33E-07	78,822	7.24E-04	2.54E-04	3.84E-05	5.92E-09
30881	3088	1	Miscellaneous Fugitive PM	New Gray Clay (2/5) stockpile/ offloading area	clay					4.54E-02	1.59E-02	2.41E-03	0.00E+00	4.67E-03	1.63E-03	2.47E-04	0.00E+00	15,846	5.89E-04	2.06E-04	3.12E-05	0.00E+00
30891	3089	1	Miscellaneous Fugitive PM	Polycom Slag Stockpile	Slag					2.50E+00	8.73E-01	1.32E-01	1.27E-04	5.43E-01	1.90E-01	2.88E-02	2.77E-05	65,310	1.66E-02	5.82E-03	8.82E-04	8.48E-07

1. Facility Information (Description, Material, and Node) for Devices 3001-3037 comes from Columns D, I, H in Rows 129-171 of the Calc_Material tab of the 2016 CEIR spreadsheet. Note that all Types are listed as Material Handling instead of the specific material as in Column G of the 2016 CEIR spreadsheet.
2. Facility Information (Type, Description, and Node) for Devices 3038-3068 and 3078 comes from Columns F, G, and J of Rows 210-248 of the Calc_Material tab of the 2016 CEIR spreadsheet. Facility Information for Devices 3069-3077 are updated for 2018 based on data received from CalPortland.
3. UTMX and UTMY come from Columns D and E of the TblNetworkNodes beginning in Row 256 of the Operations tab of the 2016 CEIR spreadsheet for all devices except 3069-3077 which have new defined nodes based on information received from CalPortland.
4. Throughput Basis for Devices 3001-3037 comes from Columns T and U of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
5. Material Moisture Content for Devices 3001-3037 comes from Column AN of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
6. Allocated Fraction for Devices 3001-3037 comes from Column AA of Rows 129-171 in the Calc_Material tab of the 2016 CEIR and divided by 100 to convert to a fraction.
7. Maximum Throughput for Devices 3001-3037 comes from Column AE of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
8. Control Efficiency for Devices 3001-3037 comes from Column AK of Rows 129-171 in the Calc_Material tab of the 2016 CEIR.
9. Particle Size Multiplier from AP-42 Section 13.2.4 Aggregate Handling and Storage Piles page 13.2.4-4.
10. Emission Factors (lb/ton) for Devices 3001-3037 = Particle Size Multiplier x 0.0032 x (Mean Wind Speed (mph)/5)^1.3 / (Material Moisture Content (%)/2)^1.4 per AP-42 Chapter 13.2.4, Equation 1.
11. Particulate Emissions (lb/hr)for Devices 3001-3037 = Emission Factor (lb/ton) x Maximum Throughput (tph) x Allocated Fraction x (1-Control Efficiency/100)
12. Emissions (lb/hr) for Devices 3038-3078 = (sum of hourly load emissions at a specific node (lb/hr)) + (sum of hourly dump emissions at a specific node (lb/hr)) from Columns BQ-BV of the Trips tab of this spreadsheet.
13. Lead Emissions (lb/hr) for Devices 3001-3037 = PM Emissions (lb/hr) / 1,000,000 (ppm) x Lead Concentration (ppm)
14. Particulate and Lead Emissions (tpy) for Devices 3001-3037 = Emission Factor (lb/ton) x Throughput (tons) x Allocated Fraction x (1-Control Efficiency/100) / 2,000 (lb/ton)
15. Emissions (tpy) for Devices 3038-3078 = (sum of annual load emissions at a specific node (tpy)) + (sum of annual dump emissions at a specific node (tpy)) from Columns BW-CB of the Trips tab of this spreadsheet.
16. Lead Emissions (tpy) for Devices 3001-3037 = PM Emissions (tpy) / 1,000,000 (ppm) x Lead Concentration (ppm)

CalPortland Oro Grande Reporting Year 2018 CEIR Kiln Stack Test Data and Emissions Summary

Source Test Data [1]

Parameter	Kiln-Mill ON	Kiln-Mill OFF	Clinker Cooler	Finish Mill	Coal Mill	Units
Date	5/17/2018 and 5/21/2018	5/17/2018 and 5/21/2018	5/17/2018 and 5/21/2018	7/7/2008	7/1/2008	
PM	1.87	5.69	2.88	11.4	0.631	lb/hr
PM10	1.87	5.69	2.88	11.4	0.631	lb/hr
PM2.5	0.752	4.96	1.63			
Lead	7.97E-04	5.03E-04	0.0012	-	-	lb/hr
PM/Clinker	0.00742	0.0259	0.01225	0.0405	-	lb/ton clinker
PM10/Clinker	0.00742	0.0259	0.01225	0.0405	-	lb/ton clinker

Baghouse Information[2]					Operating Hours Inputs					Hourly Emissions (lb/hr)[4, 5, 6]								Annual Emissions (tpy)[7, 8, 9]							
Device ID	Process ID	Facility ID Number	Type	Device Name	Kiln	Raw Mill	Coal Mill	Finish Mill #1	Kiln with Raw Mill Off[3]	PM	PM10	PM2.5	NOx	SOx	CO	VOC	Lead	PM	PM10	PM2.5	NOx	SOx	CO	VOC	Lead
1028	1	441BF550	Baghouse	Clinker Handling	6,471	6,208	6,495	6,043	263	2.88	2.88	1.63	0	0	0	0	1.20E-03	9.32	9.32	5.27	0	0	0	0	3.88E-03
1029	1	461BF400	Baghouse	Coal Grinding						0.63	0.63	0.63	0	0	0	0	1.22E-06	2.05	2.05	2.05	0	0	0	0	3.96E-06
1030	1	531BF200	Baghouse	Finish Mill #1						11.40	11.40	11.40	0	0	0	0	3.31E-04	34.45	34.45	34.45	0	0	0	0	9.99E-04
1030	2	531BF300	Baghouse	Finish Mill #1						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1031	1	331BF101	Baghouse	Kiln & Mill						5.69	5.69	4.96	536.00	2.02	87.18	1.64	7.85E-04	6.55	6.55	2.99	1,734.31	6.54	282.09	5.31	2.54E-03

1. Source Test data from Columns I - O, Rows 182-191 of the Operations tab of the 2016 CEIR spreadsheet except Lead which is taken from stack test results dated January 5, 2008, provided by Desirea Haggard. Additionally, the Kiln and Clinker Cooler were retested for PM in 2018 and updated accordingly.
2. Baghouse Information from Columns D-F, Rows 101-106 of the Calc_Baghouse tab of the 2016 CEIR spreadsheet
3. Kiln with Raw Mill Off = Kiln Hours - Raw Mill Hours
4. PM, PM10, and PM2.5 hourly emissions come from Source Test data
5. For Baghouse 331BF101, non-particulate emissions (lb/hr) = Annual Emissions (tpy) / Kiln Operating Hours (hours) x 2,000 (lb/ton)
6. Only Baghouse 331BF101 has non-particulate emissions
7. For baghouses other than 331BF101, PM, PM10, and PM2.5 Annual Emissions (tpy) = Hourly Emissions (lb/hr) x Operating Hours for each relevant piece of equipment (hr) / 2,000 (lb/ton)
8. For baghouse 331BF101, PM, PM10, and PM2.5 Annual Emissions (tpy) = Raw Mill Operating Hours (hr) x Kiln-Mill ON Emission Rate from Source Test (lb/hr) + Kiln with Raw Mill Off Operating Hours (hr) x Kiln-Mill OFF Emission Rate from Source Test (lb/hr)
9. For Baghouse 331BF101, non-particulate Annual Emissions come from Kiln CEMS as Input on the Input tab of this spreadsheet

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Facility Information[1]

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	From[6]	To[7]	Vehicle[8]	Full/ Empty[9]	Vehicle Type[10]	SCC number[11]
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	Entrance	Quarry Bauxite Stockpile	Bauxite Delivery Truck	N/A	OnRoad	30500699
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	Quarry Bauxite Stockpile	ASB Bauxite Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	ASB Bauxite Stockpile	Additives Hopper	966 Loader	N/A	OffRoad	30500699
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	Quarry Iron Ore Stockpile	ASB Iron Ore Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	ASB Iron Ore Stockpile	Additives Hopper	966 Loader	N/A	OffRoad	30500699
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	Entrance	Quarry Iron Ore Stockpile	Delivery Truck	N/A	OnRoad	30500699
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	Entrance	Quarry Ione White Clay Stockpile	Delivery Truck	N/A	OnRoad	30500699
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	Quarry Ione White Clay Stockpile	ASB Ione White Clay Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	ASB Ione White Clay Stockpile	Additives Hopper	966 Loader	N/A	OffRoad	30500699
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	Entrance	Gypsum Stockpile Node 19	Delivery Truck	N/A	OnRoad	30500699
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	Gypsum Stockpile Node 19	Finish Mill Sampson Feed Hopper	100 ton Haul Truck	N/A	OffRoad	30500699
Slag Delivery	TRP001022	Coal Handling	Slag	Entrance	Quarry Slag Stockpile	Delivery Truck	N/A	OnRoad	30500699
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	Quarry Slag Stockpile	MSB Slag Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	Sparkhule Quarry	Sparkhule Waste Dump	100 ton Haul Truck	N/A	OffRoad	30500699
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	Shay Quarry	Shay Waste Dump	100 ton Haul Truck	N/A	OffRoad	30500699
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	Sparkhule Quarry	Primary Crusher	100 ton Haul Truck	N/A	OffRoad	30500699
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	Shay Quarry	Primary Crusher	100 ton Haul Truck	N/A	OffRoad	30500699
Coal Truck Delivery	TRP001044	Coal Handling	Coal	Entrance	Quarry Dock Coal MSB	Delivery Truck	N/A	OnRoad	30500699
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	Quarry L5 Coal Stockpile	MSB Coal Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	MSB Coal Stockpile	Coal Hopper	966 Loader	N/A	OffRoad	30500699
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	MSB Slag Stockpile	Slag Hopper	966 Loader	N/A	OffRoad	30500699
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	Additive Limestone Stockpile	Finish Mill Sampson Feed Hopper	100 ton Haul Truck	N/A	OffRoad	30500699
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	Property Line Node 102	High Grade Limestone Additive Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	Pre-Heater Tower	CKD Dump	25 ton Dump Truck	N/A	OnRoad	30500699
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	Entrance	Type II Clay Stockpile	Delivery Truck	N/A	OnRoad	30500699
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	Type II Clay Stockpile	ASB type II Clay Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	ASB Type II Clay Stockpile	Additives Hopper	966 Loader	N/A	OffRoad	30500699
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	Entrance	Acton White Clay Pile Node 140	Delivery Truck	N/A	OnRoad	30500699
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	Acton White Clay Stockpile Node 140	ASB Acton White Clay Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	ASB Acton White Clay Stockpile	ASB Hopper	966 Loader	N/A	OffRoad	30500699
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	Mack's Peak Quarry	Primary Crusher	Delivery Truck	N/A	OnRoad	30500699
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	Sparkhule Quarry	Dock Rock Limestone Pile	100 ton Haul Truck	N/A	OffRoad	30500699
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	Dock Rock Limestone Stockpile	Primary Crusher	992 Loader	N/A	OffRoad	30500699
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	Entrance	Aluminum Filter Cake Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	Aluminum Filter Cake Stockpile	ASB Aluminum Filter Cake Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	ASB Aluminum Filter Cake Stockpile	ASB Additives Hopper	966 Loader	N/A	OffRoad	30500699
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	Entrance	Plant Refueling Station	Fuel Delivery Truck	N/A	OnRoad	30500699
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	Entrance	Plant Refueling Station	Fuel Delivery Truck	N/A	OnRoad	30500699
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	Entrance	Quarry Refueling Station	Fuel Delivery Truck	N/A	OnRoad	30500699
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	Clinker Export Loadout	Entrance	Delivery Truck	Full	OnRoad	30500699
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	Entrance	Clinker Loading	Delivery Truck	Empty	OnRoad	30500699
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	Cement Truck Loadout Station 2/3/4	Entrance	Bulk Cement Truck	Full	OnRoad	30500699
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	Entrance	Station 2/3/4	Bulk Cement Truck	Empty	OnRoad	30500699
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	Cement Truck Loadout Station 5/6	Entrance	Bulk Cement Truck	Full	OnRoad	30500699
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	Entrance	Station 5/6	Bulk Cement Truck	Empty	OnRoad	30500699
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	Quartzite Quarry	Property Line Node 101	Delivery Truck	N/A	OnRoad	30500699
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	Sparkhule Quarry	Property Line Node 101	Delivery Truck	N/A	OnRoad	30500699
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	excavation point	Truck Load location	992 Loader	N/A	OffRoad	30500699
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	Property Line Node 102	High Grade Limestone Additive Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
Lime NESHAP	TRP001124	Raw Material Handling	Lime	Entrance	Lime Bin	Bulk Cement Truck	N/A	OnRoad	30500699
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	Entrance	Carbon Bin	Flat Bed Truck	N/A	OnRoad	30500699
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	Main Bauxite Pile	Small Bauxite Pile	100 ton Haul Truck	N/A	OffRoad	30500699
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	Small Bauxite Pile	Blend Quarry Pile	992 Loader	N/A	OffRoad	30500699
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	Blend Quarry Pile	ASB Bauxite & Clay Blend Stockpile 036	100 ton Haul Truck	N/A	OffRoad	30500699
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	Quarry Gray Clay Stockpile 222	Bauxite & Clay Blend Stockpile	992 Loader	N/A	OffRoad	30500699
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	Main Bauxite Pile	Bauxite & Clay Blend Stockpile	992 Loader	N/A	OffRoad	30500699
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	Bauxite & Clay Blend Stockpile	ASB Bauxite & Clay Blend Stockpile 036	100 ton Haul Truck	N/A	OffRoad	30500699
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	Entrance	Main Mill Scale Pile	Delivery Truck	N/A	OnRoad	30500699
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	Entrance	Main Mill Scale Pile	Delivery Truck	N/A	OnRoad	30500699
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	Main Mill Scale Pile	Iron Ore and Mill Scale Blend Stockpile	992 Loader	N/A	OffRoad	30500699

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Fac	Gasoline Vehicle Inputs				Gasoline Vehicle Parameters		Diesel Vehicle Inputs		
					Fuel Efficiency (mpg)	Gasoline Dispensed (gallons)	Average Gasoline Vehicle Trip Distance (miles)	Percentage of Gasoline Personal Use	Total Gasoline Vehicle Mileage (miles)[12]	Gasoline Trips per Year[13]	Input Basis[14]	Annual Quantity (tons)	Mean Windspeed (mph)
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite								Tons Bauxite Received	49,847	7.7
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite								Tons Bauxite Used	39,411	
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite								Tons Bauxite Used	39,411	
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore								Tons Iron Ore Used	32,215	
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore								Tons Iron Ore Used	32,215	
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore								Tons Iron Ore Obtained	32,637	
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione								Tons Ione Clay Type III and Type II/V Received	20,447	
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione								Tons Ione Clay Type III and Type II/V Used	26,458	
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione								Tons Ione Clay Type III and Type II/V Used	26,458	
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum								Tons Gypsum Received	121,106	
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum								Tons Gypsum Used	67,493	
Slag Delivery	TRP001022	Coal Handling	Slag								Tons Slag to Kiln Received	24,596	
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag								Tons Slag to Kiln Used	32,655	
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden								Tons Quarry Overburden	2,318,665	
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden								Tons Quarry Overburden	2,318,665	
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone								Tons Quarried Limestone Produced	2,230,524	
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone								Tons Quarried Limestone Produced	2,230,524	
Coal Truck Delivery	TRP001044	Coal Handling	Coal								Tons Coal to Kiln Received	216,352	
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal								Tons Coal to Kiln Used	217,510	
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal								Tons Coal to Kiln Used	217,510	
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag								Tons Slag to Kiln Used	32,655	
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone								Tons Limestone to Finish Mill Used	63,430	
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone								Tons Limestone to Finish Mill Obtained	0	
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD								Tons CKD	0	
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione								Tons All Clays for Type II/V Received	20,447	
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione								Tons All Clays for Type II/V Used	26,458	
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione								Tons All Clays for Type II/V Used	26,458	
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione								Tons Acton White Clay Typ III Obtained	13,043	
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione								Tons Acton White Clay Typ III Used	12,015	
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione								Tons Acton White Clay Typ III Used	12,015	
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden								Tons Original Canyon Limestone Obtained	0	
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone								Tons Quarried Limestone Produced	2,230,524	
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone								Tons Quarried Limestone Produced	2,230,524	
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake								Tons Aluminum Filter Cake	0	
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake								Tons Aluminum Filter Cake	0	
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake								Tons Aluminum Filter Cake	0	
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline								Gallons Plant Gasoline	27,355	
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel								Gallons Plant Diesel	84,124	
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel								Gallons Total Quarry Diesel	619,287	
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker								Tons Clinker Sold	14,851	
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker								Tons Clinker Sold	14,851	
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement								Tons Total Cement Sold	1,760,820	
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement								Tons Total Cement Sold	1,760,820	
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement								Tons Total Cement Sold	1,760,820	
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement								Tons Total Cement Sold	1,760,820	
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite								Tons Quartzite Sold	103,374	
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone								Tons Sparkhule Waste Sold	0	
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone								Tons Quarried Limestone Produced	2,230,524	
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone								Tons High Grade Limestone Received	0	
Lime NESHAP	TRP001124	Raw Material Handling	Lime								Tons Lime Received	3,223	
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon								Tons Carbon Received	363	
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite								Tons Bauxite Used	39,411	
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite								Tons Bauxite Used	39,411	
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend								Bauxite and Tons Acton White Clay Typ III Used	51,426	
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend								Tons All Clays for Type II/V Used	26,458	
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend								Tons Bauxite Used	39,411	
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend								Bauxite and Type II/V Clay	65,869	
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale								Tons Mill Scale Received	8,378	
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale								Tons Mill Scale Received	8,378	
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale								Tons Mill Scale Used	9,326	

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

				Faci					Vehicle and Trip Parameters							
Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Vehicle Height (ft)[15]	Full Vehicle Weight (tons)[16]	Empty Vehicle Weight (tons)[16]	Average Vehicle Weight (tons)[17]	Fraction Allocated[18]	Average Hourly Quantity (tons)[19]	Payload (tons)[20]	Maximum Tons per Hour[21]	Trips/Year[22]	Trips/Hour[23]	Start Node[24]	Load Control Efficiency at Start Node (%)[25]	End Node[26]
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	12	40	17.5	28.75	1	25	25	50	1,994	1	1	100	25
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	34	171	71	121	1	50	100	50	395	1	25	0	36
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	11.6	35.5	25.5	30.5	1	20.4	20.4	50	1,932	1	36	75	37
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	34	171	71	121	1	50	100	50	323	1	28	0	36
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	11.6	35.5	25.5	30.5	1	20.4	20.4	50	1,580	1	36	75	37
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	12	40	17.5	28.75	1	27	27	50	1,209	1	1	100	28
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	12	40	17.5	28.75	1	27	27	50	758	1	1	100	30
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	34	171	71	121	1	50	100	50	265	1	30	0	36
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	11.6	35.5	25.5	30.5	1	20.4	20.4	50	1,297	1	36	75	37
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	12	40	17.5	28.75	1	27	27	50	4,486	1	1	100	19
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	34	171	71	121	1	50	100	50	675	1	19	0	11
Slag Delivery	TRP001022	Coal Handling	Slag	12	40	17.5	28.75	1	27	27	50	911	1	1	100	22
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	34	171	71	121	1	50	100	50	327	1	22	0	142
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	34	171	71	121	1	50	100	50	23,187	1	60	0	59
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	34	171	71	121	0	50	100	50	0	1	50	0	106
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	34	171	71	121	0.8	50	100	50	17,845	1	60	0	34
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	34	171	71	121	0	50	100	50	0	1	50	0	34
Coal Truck Delivery	TRP001044	Coal Handling	Coal	12	40	17.5	28.75	0	27	27	50	0	1	1	100	42
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	34	171	71	121	0.05	50	100	100	109	1	47	0	44
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	11.6	35.5	25.5	30.5	1	25	20.4	50	10,663	2	44	75	144
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	11.6	35.5	25.5	30.5	1	25	20.4	50	1,601	2	142	0	144
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	34	171	71	121	1	50	100	100	635	1	55	0	11
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	34	171	71	121	1	50	100	100	0	1	102	100	51
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	12	40	13	26.5	1	25	27	50	0	1	124	0	39
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	12	40	17.5	28.75	1	27	27	50	758	1	1	100	120
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	34	171	71	121	1	50	100	50	265	1	120	0	36
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	11.6	35.5	25.5	30.5	1	25	20.4	50	1,297	2	36	75	37
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	12	40	17.5	28.75	1	27	27	50	484	1	1	100	140
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	34	171	71	121	1	50	100	100	121	1	140	0	36
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	11.6	35.5	25.5	30.5	1	25	20.4	50	589	2	36	75	37
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	12	40	17.5	28.75	1	50	27	100	0	2	130	0	34
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	34	171	71	121	0.2	50	100	50	4,462	1	60	0	139
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	12	148.4	110	129.2	0.2	25	38.4	50	11,618	1	139	0	34
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	34	171	71	121	1	50	100	100	0	1	1	100	138
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	34	171	71	121	1	50	100	100	0	1	138	0	36
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	11.6	35.5	25.5	30.5	1	25	20.4	50	0	2	36	75	37
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	12	40	17.5	28.75	1	25	8000	50	4	1	1	100	46
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	12	40	17.5	28.75	1	25	8000	50	11	1	1	100	46
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	12	40	17.5	28.75	1	25	8000	50	78	1	1	100	52
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	12	40	17.5	28.75	1	27	27	50	551	1	12	0	1
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	12	40	17.5	28.75	1	27	27	50	551	1	1	100	5
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	12	40	17.5	28.75	0.2436	25	27	50	15,887	1	212	100	1
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	12	40	17.5	28.75	0.2436	25	27	50	15,887	1	1	100	212
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	12	40	17.5	28.75	0.3654	25	27	50	23,830	1	210	100	1
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	12	40	17.5	28.75	0.3654	25	27	50	23,830	1	1	100	210
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	12	40	17.5	28.75	1	27	27	50	3,829	1	146	0	101
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	12	40	17.5	28.75	1	27	27	50	0	1	60	0	101
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	12	148.4	110	129.2	1	380	38.4	380	58,087	10	60	0	60
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	34	171	71	121	1	50	100	50	0	1	102	100	51
Lime NESHAP	TRP001124	Raw Material Handling	Lime	12	40	17.5	28.75	1	27	27	27	120	1	1	100	276
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	12	40	17.5	28.75	1	9	27	9	14	1	1	100	277
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	34	171	71	121	1	50	100	100	395	1	25	0	1000
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	12	148.4	110	129.2	1	25	38.4	38.4	1,027	1	1000	0	1001
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	34	171	71	121	1	50	100	100	515	1	1001	0	36
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	12	148.4	110	129.2	1	25	38.4	38.4	690	1	222	0	1002
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	12	148.4	110	129.2	1	25	38.4	38.4	1,027	1	25	0	1002
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	34	171	71	121	1	50	100	100	659	1	1002	0	36
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	12	40	17.5	28.75	1	27	27	27	311	1	1	100	1008
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	12	40	17.5	28.75	1	27	27	27	311	1	1008	100	1003
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	12	148.4	110	129.2	1	25	38.4	38.4	243	1	1003	0	1004

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

				Faci			Trip Parameters (not used in any calculation														
Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Dump Control Efficiency at End Node (%)[27]	Moisture Content (%)[28]	Identical 2 Way Route?[29]	Road Segments Used														
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	8.63	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-28	28-26	26-24	24-25			
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	75	8.63	Y	25-24	24-26	26-35	35-36											
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	8.63	Y	36-37														
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	75	4.78	Y	28-26	26-35	35-36												
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	4.78	Y	36-37														
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	4.78	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-28						
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	10	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-16	16-110	110-111	111-147	147-119	119-140	
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	75	10	Y	140-119	119-147	147-111	111-110	110-16	16-15	15-28	28-26	26-35	35-36					
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	10	Y	36-37														
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	0	2.12	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-16	16-110	110-111	111-18	18-19		
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	-30	2.12	Y	19-18	18-20	20-21	21-23	23-121	121-9	9-10	10-11							
Slag Delivery	TRP001022	Coal Handling	Slag	0	0.92	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-16	16-110	110-112	112-22			
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	0	0.92	Y	22-21	21-23	23-24	24-26	26-35	35-33	33-31	31-29	29-14	14-13	13-43	43-143	143-142		
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0.5	Y	260-133	133-58	58-59												
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	0.5	Y	50-107	107-40	40-41	41-48	48-105	105-106									
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	0	1.6	Y	260-133	133-58	58-56	56-131	131-129	129-127	127-54	54-53	53-117	117-114	114-14	14-29	29-31	31-33	33-34
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	1.6	Y	50-107	107-40	40-38	38-23	23-24	24-26	26-35	35-33	33-34						
Coal Truck Delivery	TRP001044	Coal Handling	Coal	75	6.9	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-43	43-143	143-44						
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	75	6.9	Y	47-41	41-40	40-38	38-23	23-24	24-26	26-35	35-33	33-31	31-29	29-14	14-13	13-43	43-143	143-44
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	6.9	Y	44-144														
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0.92	Y	142-143	143-144													
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	-15	1.6	Y	51-48	48-41	41-40	40-38	38-23	23-121	121-9	9-10	10-11						
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	1.6	Y	102-135	135-141	141-48	48-51											
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	0.2	Y	124-61	61-10	10-9	9-121	121-23	23-38	38-39								
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	10	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-28	28-137					
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	75	10	Y	137-28	28-26	26-35	35-36											
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	10	Y	36-37														
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	10	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-16	16-110	110-111	111-147	147-119	119-140	
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	75	10	Y	140-119	119-147	147-111	111-110	110-16	16-15	15-28	28-26	26-35	35-36					
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	10	Y	36-37														
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	100	0.5	Y	128-127	127-54	54-53	53-52	52-20	20-21	21-23	23-38	38-103	103-141	141-135	135-101			
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	0	1.6	Y	260-133	133-58	58-56	56-131	131-129	129-127	127-54	54-53	53-117	117-114	114-14	14-15	15-28	28-139	
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	1.6	Y	139-33	33-34													
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	0	0.5	Y	1-2	2-3	3-4	4-126	126-116	116-13	13-14	14-15	15-16	16-110	110-111	111-18	18-20	20-21	21-138
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	75	0.5	Y	138-21	21-23	23-24	24-26	26-35	35-36									
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0.5	Y	36-37														
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	Y	1-6	6-7	7-9	9-121	121-46										
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	Y	1-6	6-7	7-9	9-121	121-46										
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	Y	1-2	2-3	3-4	4-126	126-116	116-117	117-53	53-52							
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	100	0.2	N	5-4	4-3	3-2	2-1											
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0.2	N	1-2	2-3	3-145	145-5											
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	100	0.2	N	8-6	6-1													
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	100	0.2	N	1-6	6-7	7-8												
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	100	0.2	N	5-4	4-3	3-2	2-1											
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	100	0.2	N	1-6	6-7	175-145	145-5											
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	100	1.6	Y	146-54	54-53	53-52	52-20	20-21	21-23	23-38	38-103	103-141	141-135	135-101				
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	100	1.6	Y	59-58	58-56	56-131	131-129	129-127	127-54	54-53	53-52	52-20	20-21	21-23	23-38	38-103	103-141	141-135	135-101
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	100	1.6	Y	60-60														
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	1.6	Y	102-135	135-141	141-48	48-51											
Lime NESHAP	TRP001124	Raw Material Handling	Lime	100	10	Y	1-2	2-3	3-4	4-126	126-136	136-124									
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	99.95	10	Y	1-2	2-3	3-4	4-126	126-136	136-124									
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	8.63	Y															
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	8.63	Y															
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	75	10	Y															
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	10	Y															
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	10	Y															
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	75	10	Y															
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0.92	Y															
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0.92	Y															
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0.92	Y															

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Miles (Facilities currently)[30]							Particle Size Multiplier[31]			Emission Factors[32]		
				Paved1	UnpavedA	UnpavedF	UnpavedB	Paved2	UnpavedC	Total	PM	PM10	PM2.5	PM	PM10	PM2.5
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	1	0.35	0.053	7.24E-04	2.54E-04	3.84E-05
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.24E-04	2.54E-04	3.84E-05
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.24E-04	2.54E-04	3.84E-05
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-03	5.80E-04	8.78E-05
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-03	5.80E-04	8.78E-05
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-03	5.80E-04	8.78E-05
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.17E-03	1.81E-03	2.74E-04
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.17E-03	1.81E-03	2.74E-04
Slag Delivery	TRP001022	Coal Handling	Slag	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				3.91E-02	1.37E-02	2.07E-03
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				3.91E-02	1.37E-02	2.07E-03
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Coal Truck Delivery	TRP001044	Coal Handling	Coal	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				9.91E-04	3.47E-04	5.25E-05
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				9.91E-04	3.47E-04	5.25E-05
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				9.91E-04	3.47E-04	5.25E-05
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				3.91E-02	1.37E-02	2.07E-03
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				3.91E-02	1.37E-02	2.07E-03
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				3.91E-02	1.37E-02	2.07E-03
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				3.91E-02	1.37E-02	2.07E-03
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Lime NESHAP	TRP001124	Raw Material Handling	Lime	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.24E-04	2.54E-04	3.84E-05
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.24E-04	2.54E-04	3.84E-05
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci Units	Material Transfer Emission Hourly Emissions[33] Load Emissions (lb/hr) PM	PM10	PM2.5	Lead	Dump Emissions (lb/hr) PM	PM10	PM2.5	Lead	Annual Emissions[34] Load Emissions (tpy) PM	PM10	PM2.5	Lead	Dump Emissions (tpy) PM	PM10	PM2.5	Lead
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-02	1.27E-02	1.92E-03	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-02	6.32E-03	9.57E-04	1.47E-07
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	lb/ton	3.62E-02	1.27E-02	1.92E-03	2.96E-07	9.05E-03	3.17E-03	4.80E-04	7.39E-08	1.43E-02	5.00E-03	7.57E-04	1.17E-07	3.57E-03	1.25E-03	1.89E-04	2.91E-08
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	lb/ton	9.05E-03	3.17E-03	4.80E-04	7.39E-08	3.62E-02	1.27E-02	1.92E-03	2.96E-07	3.57E-03	1.25E-03	1.89E-04	2.91E-08	1.43E-02	5.00E-03	7.57E-04	1.17E-07
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	lb/ton	8.28E-02	2.90E-02	4.39E-03	6.27E-06	2.07E-02	7.25E-03	1.10E-03	1.57E-06	2.67E-02	9.34E-03	1.41E-03	2.02E-06	6.67E-03	2.33E-03	3.54E-04	5.05E-07
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	lb/ton	2.07E-02	7.25E-03	1.10E-03	1.57E-06	8.28E-02	2.90E-02	4.39E-03	6.27E-06	6.67E-03	2.33E-03	3.54E-04	5.05E-07	2.67E-02	9.34E-03	1.41E-03	2.02E-06
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-02	2.90E-02	4.39E-03	6.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-02	9.46E-03	1.43E-03	2.05E-06
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-02	1.03E-02	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-03	2.11E-03	3.19E-04	0.00E+00
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	lb/ton	2.95E-02	1.03E-02	1.56E-03	0.00E+00	7.37E-03	2.58E-03	3.90E-04	0.00E+00	7.80E-03	2.73E-03	4.13E-04	0.00E+00	1.95E-03	6.82E-04	1.03E-04	0.00E+00
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	lb/ton	7.37E-03	2.58E-03	3.90E-04	0.00E+00	2.95E-02	1.03E-02	1.56E-03	0.00E+00	1.95E-03	6.82E-04	1.03E-04	0.00E+00	7.80E-03	2.73E-03	4.13E-04	0.00E+00
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-01	9.05E-02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-01	1.10E-01	1.66E-02	0.00E+00
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	lb/ton	2.59E-01	9.05E-02	1.37E-02	0.00E+00	3.36E-01	1.18E-01	1.78E-02	0.00E+00	1.74E-01	6.11E-02	9.25E-03	0.00E+00	2.27E-01	7.94E-02	1.20E-02	0.00E+00
Slag Delivery	TRP001022	Coal Handling	Slag	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-01	2.91E-01	4.41E-02	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-01	7.16E-02	1.08E-02	1.04E-05
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	lb/ton	8.32E-01	2.91E-01	4.41E-02	4.24E-05	8.32E-01	2.91E-01	4.41E-02	4.24E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	lb/ton	1.95E+00	6.84E-01	1.04E-01	9.90E-06	1.95E+00	6.84E-01	1.04E-01	9.90E-06	4.53E+01	1.59E+01	2.40E+00	2.29E-04	4.53E+01	1.59E+01	2.40E+00	2.29E-04
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	lb/ton	3.07E-01	1.07E-01	1.63E-02	8.79E-06	3.07E-01	1.07E-01	1.63E-02	8.79E-06	6.84E+00	2.39E+00	3.63E-01	1.96E-04	6.84E+00	2.39E+00	3.63E-01	1.96E-04
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Coal Truck Delivery	TRP001044	Coal Handling	Coal	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	lb/ton	4.95E-03	1.73E-03	2.63E-04	9.58E-09	1.24E-03	4.33E-04	6.56E-05	2.39E-09	5.39E-03	1.89E-03	2.86E-04	1.04E-08	1.35E-03	4.71E-04	7.14E-05	2.60E-09
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	lb/ton	1.24E-02	4.33E-03	6.56E-04	2.39E-08	4.95E-02	1.73E-02	2.63E-03	9.58E-08	2.69E-02	9.43E-03	1.43E-03	5.21E-08	1.08E-01	3.77E-02	5.71E-03	2.08E-07
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	lb/ton	8.32E-01	2.91E-01	4.41E-02	4.24E-05	8.32E-01	2.91E-01	4.41E-02	4.24E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	lb/ton	7.67E-01	2.68E-01	4.06E-02	2.20E-05	8.82E-01	3.09E-01	4.67E-02	2.53E-05	2.43E-01	8.51E-02	1.29E-02	6.97E-06	2.80E-01	9.79E-02	1.48E-02	8.02E-06
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-02	1.03E-02	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-03	2.11E-03	3.19E-04	0.00E+00
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	lb/ton	2.95E-02	1.03E-02	1.56E-03	0.00E+00	7.37E-03	2.58E-03	3.90E-04	0.00E+00	7.80E-03	2.73E-03	4.13E-04	0.00E+00	1.95E-03	6.82E-04	1.03E-04	0.00E+00
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	lb/ton	7.37E-03	2.58E-03	3.90E-04	0.00E+00	2.95E-02	1.03E-02	1.56E-03	0.00E+00	1.95E-03	6.82E-04	1.03E-04	0.00E+00	7.80E-03	2.73E-03	4.13E-04	0.00E+00
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-02	1.03E-02	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-03	1.35E-03	2.04E-04	0.00E+00
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	lb/ton	5.89E-02	2.06E-02	3.12E-03	0.00E+00	1.47E-02	5.16E-03	7.81E-04	0.00E+00	3.54E-03	1.24E-03	1.88E-04	0.00E+00	8.85E-04	3.10E-04	4.69E-05	0.00E+00
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	lb/ton	7.37E-03	2.58E-03	3.90E-04	0.00E+00	2.95E-02	1.03E-02	1.56E-03	0.00E+00	8.85E-04	3.10E-04	4.69E-05	0.00E+00	3.54E-03	1.24E-03	1.88E-04	0.00E+00
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	lb/ton	7.67E-02	2.68E-02	4.06E-03	2.20E-06	7.67E-02	2.68E-02	4.06E-03	2.20E-06	1.71E+00	5.99E-01	9.06E-02	4.90E-05	1.71E+00	5.99E-01	9.06E-02	4.90E-05
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	lb/ton	7.67E-02	2.68E-02	4.06E-03	2.20E-06	7.67E-02	2.68E-02	4.06E-03	2.20E-06	1.71E+00	5.99E-01	9.06E-02	4.90E-05	1.71E+00	5.99E-01	9.06E-02	4.90E-05
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	lb/ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	lb/ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	lb/ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	lb/ton	7.05E+00	2.47E+00	3.73E-01	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E+00	3.66E-01	5.55E-02	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E+00	2.47E+00	3.73E-01	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E+00	3.66E-01	5.55E-02	7.50E-05
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	lb/ton	3.83E-01	1.34E-01	2.03E-02	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-01	1.39E-01	2.10E-02	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	lb/ton	2.91E+00	1.02E+00	1.54E-01	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E+00	2.99E+00	4.53E-01	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Lime NESHAP	TRP001124	Raw Material Handling	Lime	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-06	9.28E-07	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-08	1.87E-08	2.83E-09	0.00E+00
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	lb/ton	7.24E-02	2.54E-02	3.84E-03	5.92E-07	7.24E-02	2.54E-02	3.84E-03	5.92E-07	1.43E-02	5.00E-03	7.57E-04	1.17E-07	1.43E-02	5.00E-03	7.57E-04	1.17E-07
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	lb/ton	2.78E-02	9.74E-03	1.47E-03	2.27E-07	2.78E-02	9.74E-03	1.47E-03	2.27E-07	1.43E-02	5.00E-03	7.57E-04	1.17E-07	1.43E-02	5.00E-03	7.57E-04	1.17E-07
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	lb/ton	5.89E-02	2.06E-02	3.12E-03	1.93E-07	1.47E-02	5.16E-03	7.81E-04	4.81E-08	1.52E-02	5.30E-03	8.03E-04	4.95E-08	3.79E-03	1.33E-03	2.01E-04	1.24E-08
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	lb/ton	2.26E-02	7.92E-03	1.20E-03	7.39E-08	2.26E-02	7.92E-03	1.20E-03	7.39E-08	7.80E-03	2.73E-03	4.13E-04	2.55E-08	7.80E-03	2.73E-03	4.13E-04	2.55E-08
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	lb/ton	2.26E-02	7.92E-03	1.20E-03	7.39E-08	2.26E-02	7.92E-03	1.20E-03	7.39E-08	1.16E-02	4.06E-03	6.16E-04	3.79E-08	1.16E-02	4.06E-03	6.16E-04	3.79E-08
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	lb/ton	5.89E-02	2.06E-02	3.12E-03	1.93E-07	1.47E-02	5.16E-03	7.81E-04	4.81E-08	1.94E-02	6.79E-03	1.03E-03	6.34E-08	4.85E-03	1.70E-03	2.57E-04	1.59E-08
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-01	1.57E-01	2.38E-02	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-02	2.44E-02	3.69E-03	3.55E-06
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-01	1.57E-01	2.38E-02	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-02	2.44E-02	3.69E-03	3.55E-06
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	lb/ton	6.39E-01	2.24E-01	3.39E-02	3.26E-05	6.39E-01	2.24E-01	3.39E-02	3.26E-05	7.76E-02	2.72E-02	4.11E-03	3.96E-06	7.76E-02	2.72E-02	4.11E-03	3.96E-06

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci	1-2	2-3	3-4	3-145	4-126	5-4	1-6	6-7	7-8	7-9	7-11	8-6	9-10	9-121	10-176	11-10	12-10	13-14
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Slag Delivery	TRP001022	Coal Handling	Slag		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coal Truck Delivery	TRP001044	Coal Handling	Coal		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline		0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel		0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker		1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker		1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement		0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement		0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement		1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement		0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon		1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	13-43	116-13	14-15	14-29	14-53	14-114	15-16	15-28	16-17	16-18	16-110	18-19	18-20	20-21	20-52	21-22	21-23	21-138	23-24	23-38	23-40
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	0	1	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0
Slag Delivery	TRP001022	Coal Handling	Slag	0	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Coal Truck Delivery	TRP001044	Coal Handling	Coal	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	0	1	1	0	0	0	1	0	0	0	1	0	1	1	0	0	0	1	0	0	0
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	23-109	121-23	24-25	24-123	24-26	26-27	26-28	26-33	26-35	28-137	28-139	29-30	29-31	31-32	31-33	33-34	33-35	35-36	36-37	38-39	38-40
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slag Delivery	TRP001022	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1
Coal Truck Delivery	TRP001044	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	1
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 38-103	40-41	40-50	40-107	41-42	41-47	41-48	43-44	43-124	43-143	44-144	121-46	48-49	48-51	48-105	48-141	105-49	107-50	52-53	52-119	53-54
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slag Delivery	TRP001022	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Coal Truck Delivery	TRP001044	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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				Faci	Road Segments[35]																	
Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	54-55	54-56	54-127	54-146	56-57	56-58	58-59	58-60	58-133	60-60	10-61	124-61	101-135	102-135	103-104	103-141	104-103	105-106	107-108	110-111	110-112
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slag Delivery	TRP001022	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coal Truck Delivery	TRP001044	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	0	0	1	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 111-18	111-113	111-147	112-22	114-117	114-115	116-117	126-116	117-53	119-118	119-120	119-140	119-147	121-122	136-124	136-125	126-136	127-128	127-129	129-130	129-131
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	1	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slag Delivery	TRP001022	Coal Handling	Slag	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coal Truck Delivery	TRP001044	Coal Handling	Coal	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	1	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 131-56	131-132	60-133	133-134	260-133	139-33	141-135	143-44	143-142	143-144	145-5	145-175	147-118	175-182	176-177	176-178	178-035	179-180	180-181	181-182	181-184
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slag Delivery	TRP001022	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coal Truck Delivery	TRP001044	Coal Handling	Coal	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	182-183	25-1000	1000-1001	1001-36	222-1002	25-1002	1002-36	1-1008	1008-1003	1003-1004	28-1004	1004-1005	1005-37	1006-1007	1007-11	130-150	11-1009	1-1010	1010-1011	1011-1012
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Slag Delivery	TRP001022	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coal Truck Delivery	TRP001044	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lime NESHAP	TRP001124	Raw Material Handling	Lime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 1013-1014	1014-34	1015-1016	1017-1012	1011-1017	1016-1012	1018-37	1019-1020	1020-36	1019-1021	1-1019	1021-37	1022-144	22-1022	1014-34	1-1019
Bauxite Delivery	TRP001025	Raw Material Handling	Bauxite																
Bauxite Stockpile to ASB	TRP025036	Raw Material Handling	Bauxite																
ASB Bauxite to Additives Hopper	TRP036037	Raw Material Handling	Bauxite																
Quarry Iron Ore Stockpile to ASB	TRP028036	Raw Material Handling	Iron Ore																
ASB Iron Ore to Additives Hopper	TRP036037	Raw Material Handling	Iron Ore																
Iron Ore Delivery	TRP001028	Raw Material Handling	Iron Ore																
White Ione Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione																
White Ione Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione																
ASB White Ione Clay to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione																
Gypsum Delivery	TRP001019	Raw Material Handling	Gypsum																
Gypsum Stockpile to Finish Mill	TRP019011	Finish Mill Material Handling	Gypsum																
Slag Delivery	TRP001022	Coal Handling	Slag																
Quarry Slag Stockpile to MSB Slag Stockpile	TRP022142	Coal Handling	Slag																
Sparkhule Quarry to Sparkhule Waste Dump	TRP260059	Waste Rock Handling	Quarry Overburden																
Shay Klondike Quarry to Shay Klondike Waste Dump	TRP050106	Waste Rock Handling	Quarry Overburden																
Sparkhule Quarry to Primary Crusher	TRP260034	Primary and Secondary Crushing	Limestone																
Shay Klondike Quarry to Primary Crusher	TRP050034	Primary and Secondary Crushing	Limestone																
Coal Truck Delivery	TRP001044	Coal Handling	Coal																
I-Mound Coal Stockpile to MSB Coal Stockpile	TRP047044	Coal Handling	Coal																
MSB Coal Stockpile to Coal Hopper	TRP044144	Coal Handling	Coal																
MSB Slag Stockpile to Slag Hopper	TRP142144	Coal Handling	Slag																
Quarry Additive Limestone Stockpile to Finish Mill	TRP051011	Finish Mill Material Handling	Limestone																
Scheerer Quarry to High Grade Limestone Additive Stockpile	TRP102051	Raw Material Handling	Limestone																
Pre-Heater Tower to CKD Dump	TRP124039	Raw Material Handling	CKD																
Type II Clay Delivery	TRP001137	Raw Material Handling	Clay - White Ione																
Type II Clay Stockpile to ASB	TRP137036	Raw Material Handling	Clay - White Ione																
ASB Type II Clay Stockpile to Additives Hopper	TRP036037	Raw Material Handling	Clay - White Ione																
Acton White Clay Delivery	TRP001140	Raw Material Handling	Clay - White Ione																
Acton White Clay Stockpile to ASB	TRP140036	Raw Material Handling	Clay - White Ione																
Acton White Clay ASB to Hopper	TRP036037	Raw Material Handling	Clay - White Ione																
Original Canyon Quarry to Exit Node 101	TRP128101	Primary and Secondary Crushing	Quarry Overburden																
Sparkhule Quarry to Dock Rock Limestone Pile	TRP260139	Raw Material Handling	Limestone																
Dock Rock Limestone Stockpile Node 139 to Primary Crusher	TRP139034	Primary and Secondary Crushing	Limestone																
Aluminum Filter Cake Delivery	TRP001138	Raw Material Handling	Aluminum Filter Cake																
Aluminum Filter Cake Stockpile to ASB	TRP138036	Raw Material Handling	Aluminum Filter Cake																
ASB Aluminum Filter Cake to Additives Hopper	TRP036037	Raw Material Handling	Aluminum Filter Cake																
Gasoline to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Gasoline																
Diesel Fuel to Plant Refueling Station Delivery	TRP001046	Fuel Dispensing	Diesel																
Diesel Fuel to Quarry Refueling Station Delivery	TRP001052	Fuel Dispensing	Diesel																
Clinker Sent Offsite - Scale/Udybin	TRP005001	Clinker Handling	Clinker																
Clinker Sent Offsite - Scale/Udybin	TRP001005	Clinker Handling	Clinker																
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP008001	Cement Loadout	Cement																
Cement by Bulk Truck, Station 2/3/4 - Outbound Full Paved	TRP001008	Cement Loadout	Cement																
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP005001	Cement Loadout	Cement																
Cement by Bulk Truck, Station 5/6 - Outbound Full Paved	TRP001005	Cement Loadout	Cement																
Quartzite Quarry Waste Rock Outbound Shipment	TRP146101	Waste Rock Handling	Quartzite																
Sparkhule Quarry Waste Rock Outbound Shipment	TRP260101	Waste Rock Handling	Limestone																
Quarry Loader Activity to Truck	TRP060260	Raw Material Handling	Limestone																
Scheerer Quarry Limestone to High Grade Limestone Storage Pile	TRP102051	Raw Material Handling	Limestone																
Lime NESHAP	TRP001124	Raw Material Handling	Lime																
Activated Carbon NESHAP	TRP001124	Raw Material Handling	Carbon																
Main Bauxite Pile to Small Bauxite Pile	TRP251000	Raw Material Handling	Bauxite																
Small Bauxite Pile to Blend Quarry Pile	TRP10001001	Raw Material Handling	Bauxite																
Blend Quarry Pile to ASB Bauxite & Clay Blend Stockpile 036	TRP100136	Raw Material Handling	ASB Bauxite Clay Blend																
Quarry Gray Clay Stockpile 222 to Bauxite & Clay Blend Stockpile	TRP2221002	Raw Material Handling	ASB Bauxite Clay Blend																
Main Bauxite Pile to Bauxite & Clay Blend Stockpile	TRP251002	Raw Material Handling	ASB Bauxite Clay Blend																
Bauxite & Clay Blend Stockpile to ASB Bauxite & Clay Blend Stockpile 036	TRP100236	Raw Material Handling	ASB Bauxite Clay Blend																
Mill Scale Delivery to Main Mill Scale Pile (Paved Section)	TRP11008	Raw Material Handling	Mill Scale																
Mill Scale Delivery to Main Mill Scale Pile (Unpaved Section)	TRP10081003	Raw Material Handling	Mill Scale																
Main Mill Scale Pile to Iron Ore and Mill Scale Blend Stockpile	TRP10031004	Raw Material Handling	Mill Scale																

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Facility Information[1]

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	From[6]	To[7]	Vehicle[8]	Full/ Empty[9]	Vehicle Type[10]	SCC number[11]
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	Quarry Iron Ore Stockpile 028	Iron Ore and Mill Scale Blend Stockpile	992 Loader	N/A	OffRoad	30500699
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	Iron Ore and Mill Scale Blend Stockpile	ASB Iron Ore and Mill Scale Blend Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	ASB Iron Ore and Mill Scale Blend Stockpile	ASB Hopper	992 Loader	N/A	OffRoad	30500699
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	Off Spec Clinker Loadout	Finish Mill Clinker Pile	100 ton Haul Truck	N/A	OffRoad	30500699
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	Finish Mill Clinker Pile	Finish Mill	100 ton Haul Truck	N/A	OffRoad	30500699
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	Mack's Peak Quarry	Mack's Peak Waste Dump	100 ton Haul Truck	N/A	OffRoad	30500699
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	Off Spec Clinker Loadout	Shay Klondike Clinker Pile	100 ton Haul Truck	N/A	OffRoad	30500699
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum	Entrance	7/8 Gypsum Stockpile	Delivery Truck	N/A	OnRoad	30500699
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum	Entrance	7/8 Gypsum Stockpile	Delivery Truck	N/A	OffRoad	30500699
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum	7/8 Gypsum Stockpile	Finish Mill 2	966 Loader	N/A	OffRoad	30500699
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick	Brick Pile, Sparkhule Quarry	Crushed Brick, Sparkhule Quarry	992 Loader	N/A	OffRoad	30500699
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	Crushed Brick Pile, Sparkhule Quarry	Primary Crusher	100 ton Haul Truck	N/A	OffRoad	30500699
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone	Crushed Limestone pile, Sparkhule Quarry	Finish Mill No. 2, Limestone Pile	100 ton Haul Truck	N/A	OffRoad	30500699
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum	Finish Mill No. 2, Gypsum Pile	Finish Mill No. 2	966 Loader	N/A	OffRoad	30500699
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum	7/8 Gypsum pile	Finish Mill No. 2, Gypsum Pile	7/8 Gypsum Delivery Truck	N/A	OffRoad	30500699
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone	Finish Mill No. 2, Limestone Pile	Finish Mill No. 2	966 loader	N/A	OffRoad	30500699
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite	Laterite pile	Additives Hopper	100 ton Haul Truck	N/A	OffRoad	30500699
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite	Unpaved Delivery Route	New Bauxite Pile	Delivery Truck	N/A	OffRoad	30500699
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite	New Bauxite Pile	ASB Bauxite Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray	Unpaved Delivery Route	New Gray Clay (2/5) Pile	Delivery Truck	N/A	OffRoad	30500699
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray	Entrance	Unpaved Delivery Route	Delivery Truck	N/A	OffRoad	30500699
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray	New Gray Clay (2/5) stockpile	ASB hopper	966 Loader	N/A	OffRoad	30500699
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag	polycom slag pile	Coal Hopper	966 Loader	N/A	OffRoad	30500699
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag	Quarry Steel Slag Stockpile 2 022	Polycom Slag Stockpile	100 ton Haul Truck	N/A	OffRoad	30500699
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	Crushed Brick pile, Sparkhule Quarry	Primary Crusher	100 ton Haul Truck	N/A	OffRoad	30500699
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite	Entrance	Unpaved Delivery Route	Delivery Truck	N/A	OffRoad	30500699
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	Central Plant Travel	Central Plant Travel	Pickup	N/A	OnRoad	30500699

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Gasoline Vehicle Inputs				Gasoline Vehicle Parameters		Diesel Vehicle Inputs		
				Fuel Efficiency (mpg)	Gasoline Dispensed (gallons)	Average Gasoline Vehicle Trip Distance (miles)	Percentage of Gasoline Personal Use	Total Gasoline Vehicle Mileage (miles)[12]	Gasoline Trips per Year[13]	Input Basis[14]	Annual Quantity (tons)	Mean Windspeed (mph)
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore							Tons Iron Ore Used	32,215	
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend							Iron Ore and Mill Scale Used	41,541	
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend							Iron Ore and Mill Scale Used	41,541	
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker							Tons Total Clinker Produced	1,567,542	
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker							Tons Total Clinker Produced	1,567,542	
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden							Tons Mack's Peak Dump	89,110	
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker							Tons Total Clinker Produced	1,567,542	
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum							Tons Gypsum Used	67,493	
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum							Tons Gypsum Used	67,493	
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum							Tons Gypsum Used	67,493	
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick							tons brick used	12,718	
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick							tons brick used	12,718	
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone							Tons crushed limestone to Finish Mill2 used	24,094	
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum							Tons Finish Mill 2 Gypsum Used	40,516	
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum							Tons Finish Mill 2 Gypsum Used	40,516	
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone							Tons crushed limestone to Finish Mill2 used	24,094	
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite							Tons Laterite Used	2,457	
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite							Tons Bauxite Used	39,411	
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite							Tons Bauxite Used	39,411	
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray							Tons Type II/V Clay Used	7,923	
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray							Tons Type II/V Clay Used	7,923	
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray							Tons Type II/V Clay Used	7,923	
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag							tons slag to kiln used	32,655	
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag							tons slag to kiln used	32,655	
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick							tons brick used	12,718	
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite							Tons Bauxite Used	39,411	
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	12	27,355	2	0	328,260	164,130			

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

		Faci		Vehicle and Trip Parameters												
Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Vehicle Height (ft)[15]	Full Vehicle Weight (tons)[16]	Empty Vehicle Weight (tons)[16]	Average Vehicle Weight (tons)[17]	Fraction Allocated[18]	Average Hourly Quantity (tons)[19]	Payload (tons)[20]	Maximum Tons per Hour[21]	Trips/Year[22]	Trips/Hour[23]	Start Node[24]	Load Control Efficiency at Start Node (%)[25]	End Node[26]
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	12	148.4	110	129.2	1	25	38.4	38.4	839	1	28	0	1004
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	34	171	71	121	1	50	100	100	416	1	1004	0	1005
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	12	148.4	110	129.2	1	25	38.4	38.4	1,082	1	1005	75	37
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	34	171	71	121	0.01	50	100	100	157	1	1006	0	1007
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	34	171	71	121	0.01	50	100	100	157	1	1007	0	11
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	34	171	71	121	1	50	100	50	892	1	130	0	150
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	16	171	71	121	0.005	100	100	100	79	1	11	0	1009
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum	12	40	17.5	28.75	0.5	27	27	27	1,250	1	1	100	1010
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum	12	40	17.5	28.75	0.5	27	27	27	1,250	2	1010	0	1011
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum	11.6	35.5	25.5	30.5	0.5	25	10	50	3,375	3	1011	0	1012
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick	12	148.4	110	129.2	1	25	38.4	38.4	332	1	1013	0	1014
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	16	171	71	121	1	100	100	100	128	1	1014	0	34
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone	16	171	71	121	1	100	100	100	241	1	1015	0	1016
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum	11.6	35.5	25.5	30.5	0.5	25	10	50	2,026	3	1017	0	1012
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum	12	40	17.5	28.75	0.5	27	27	27	751	2	1011	0	1017
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone	11.6	35.5	25.5	30.5	1	25	10	50	2,410	3	1016	0	1012
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite	16	171	71	121	1	100	100	100	25	1	1018	0	37
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite	12	40	17.5	28.75	1	27	27	27	1,460	1	1019	100	1020
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite	16	171	71	121	1	100	100	100	395	1	1020	0	36
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray	12	40	17.5	28.75	1	27	27	27	294	1	1019	100	1021
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray	12	40	17.5	28.75	1	27	27	27	294	1	1	100	1019
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray	11.6	35.5	25.5	30.5	1	25	10	50	793	3	1021	0	37
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag	11.6	35.5	25.5	30.5	1	25	10	50	3,266	3	1022	0	144
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag	16	171	71	121	1	100	100	100	327	1	22	0	1022
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	16	171	71	121	1	100	100	100	128	1	1014	0	34
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite	12	40	17.5	28.75	1	27	27	27	1,460	1	1	100	1019
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	181		184
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	180		181
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	181		182
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	179		180
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	182		183
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	175		182
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	145		175
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	10		176
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	176		177
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	#REF!	1	176		178
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	7	2.92	2.92	2.92	1	25	0.25	0	20.5016	1	178		35

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

				Faci			Trip Parameters (not used in any calculation
Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Dump Control Efficiency at End Node (%)[27]	Moisture Content (%)[28]	Identical 2 Way Route?[29]	Road Segments Used
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	4.78	Y	
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	75	0.92	Y	
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0.92	Y	
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0.2	Y	
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0.2	Y	
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0.5	Y	130-150
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0.2	Y	
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum	0	2.12	Y	
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum	0	2.12	N	
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum	0	2.12	Y	
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick	0	1.6	Y	
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	0	1.6	Y	
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone	0	1.6	Y	
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum	0	2.12	Y	
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum	0	2.12	Y	
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone	0	1.6	Y	
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite	0	18.2	Y	
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite	0	8.63	Y	
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite	75	8.63	Y	
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray	0	10	Y	
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray	100	10	Y	
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray	0	10	Y	
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag	0	0.92	Y	
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag	0	0.92	Y	
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	0	1.6	Y	
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite	100	8.63	Y	
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle			N	181-184
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle			N	180-181
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle			N	181-182
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle			N	179-180
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle			N	182-183
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle			N	175-182
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle			N	145-175
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle			N	10-176
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle			N	176-177
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle			N	176-178
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle			N	178-35

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Miles							Particle Size Multiplier[31]			Emission Factors[32]		
				Paved1	UnpavedA	UnpavedF	UnpavedB	Paved2	UnpavedC	Total	PM	PM10	PM2.5	PM	PM10	PM2.5
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-03	5.80E-04	8.78E-05
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				3.91E-02	1.37E-02	2.07E-03
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.41E-01	4.93E-02	7.47E-03
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.17E-03	1.81E-03	2.74E-04
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.17E-03	1.81E-03	2.74E-04
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.17E-03	1.81E-03	2.74E-04
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.17E-03	1.81E-03	2.74E-04
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.17E-03	1.81E-03	2.74E-04
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				2.55E-04	8.92E-05	1.35E-05
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.24E-04	2.54E-04	3.84E-05
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.24E-04	2.54E-04	3.84E-05
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				5.89E-04	2.06E-04	3.12E-05
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				1.66E-02	5.82E-03	8.82E-04
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.67E-03	2.68E-03	4.06E-04
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!				7.24E-04	2.54E-04	3.84E-05
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!						

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

					Material Transfer Emission														
				Faci	Hourly Emissions[33]								Annual Emissions[34]						
					Load Emissions (lb/hr)				Dump Emissions (lb/hr)				Load Emissions (tpy)				Dump Emissions (tpy)		
Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Units	PM	PM10	PM2.5	Lead	PM	PM10	PM2.5	Lead	PM	PM10	PM2.5	Lead	PM	PM10	PM2.5	Lead
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	lb/ton	6.36E-02	2.23E-02	3.37E-03	4.81E-06	6.36E-02	2.23E-02	3.37E-03	4.81E-06	2.67E-02	9.34E-03	1.41E-03	2.02E-06	2.67E-02	9.34E-03	1.41E-03	2.02E-06
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	lb/ton	1.66E+00	5.82E-01	8.82E-02	1.26E-04	4.16E-01	1.46E-01	2.20E-02	3.15E-05	3.46E-01	1.21E-01	1.83E-02	2.61E-05	8.64E-02	3.02E-02	4.58E-03	6.54E-06
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	lb/ton	1.60E-01	5.59E-02	8.46E-03	1.21E-05	6.39E-01	2.24E-01	3.39E-02	4.83E-05	8.64E-02	3.02E-02	4.58E-03	6.54E-06	3.46E-01	1.21E-01	1.83E-02	2.61E-05
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	lb/ton	1.41E-01	4.93E-02	7.47E-03	1.01E-05	1.41E-01	4.93E-02	7.47E-03	1.01E-05	1.10E+00	3.87E-01	5.85E-02	7.91E-05	1.10E+00	3.87E-01	5.85E-02	7.91E-05
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	lb/ton	1.41E-01	4.93E-02	7.47E-03	1.01E-05	1.41E-01	4.93E-02	7.47E-03	1.01E-05	1.10E+00	3.87E-01	5.85E-02	7.91E-05	1.10E+00	3.87E-01	5.85E-02	7.91E-05
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	lb/ton	1.95E+00	6.84E-01	1.04E-01	9.90E-06	1.95E+00	6.84E-01	1.04E-01	9.90E-06	1.74E+00	6.09E-01	9.23E-02	8.82E-06	1.74E+00	6.09E-01	9.23E-02	8.82E-06
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	lb/ton	7.05E-02	2.47E-02	3.73E-03	5.05E-06	7.05E-02	2.47E-02	3.73E-03	5.05E-06	5.52E-01	1.93E-01	2.93E-02	3.96E-05	5.52E-01	1.93E-01	2.93E-02	3.96E-05
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-02	2.44E-02	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-02	3.05E-02	4.62E-03	0.00E+00
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum	lb/ton	6.98E-02	2.44E-02	3.70E-03	0.00E+00	6.98E-02	2.44E-02	3.70E-03	0.00E+00	8.72E-02	3.05E-02	4.62E-03	0.00E+00	8.72E-02	3.05E-02	4.62E-03	0.00E+00
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum	lb/ton	1.29E-01	4.52E-02	6.85E-03	0.00E+00	1.29E-01	4.52E-02	6.85E-03	0.00E+00	8.72E-02	3.05E-02	4.62E-03	0.00E+00	8.72E-02	3.05E-02	4.62E-03	0.00E+00
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick	lb/ton	2.94E-01	1.03E-01	1.56E-02	0.00E+00	2.94E-01	1.03E-01	1.56E-02	0.00E+00	4.88E-02	1.71E-02	2.58E-03	0.00E+00	4.88E-02	1.71E-02	2.58E-03	0.00E+00
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	lb/ton	7.67E-01	2.68E-01	4.06E-02	0.00E+00	7.67E-01	2.68E-01	4.06E-02	0.00E+00	4.88E-02	1.71E-02	2.58E-03	0.00E+00	4.88E-02	1.71E-02	2.58E-03	0.00E+00
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone	lb/ton	7.67E-01	2.68E-01	4.06E-02	2.20E-05	7.67E-01	2.68E-01	4.06E-02	2.20E-05	9.24E-02	3.23E-02	4.90E-03	2.65E-06	9.24E-02	3.23E-02	4.90E-03	2.65E-06
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum	lb/ton	1.29E-01	4.52E-02	6.85E-03	0.00E+00	1.29E-01	4.52E-02	6.85E-03	0.00E+00	5.24E-02	1.83E-02	2.78E-03	0.00E+00	5.24E-02	1.83E-02	2.78E-03	0.00E+00
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum	lb/ton	6.98E-02	2.44E-02	3.70E-03	0.00E+00	6.98E-02	2.44E-02	3.70E-03	0.00E+00	5.24E-02	1.83E-02	2.78E-03	0.00E+00	5.24E-02	1.83E-02	2.78E-03	0.00E+00
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone	lb/ton	3.83E-01	1.34E-01	2.03E-02	1.10E-05	3.83E-01	1.34E-01	2.03E-02	1.10E-05	9.24E-02	3.23E-02	4.90E-03	2.65E-06	9.24E-02	3.23E-02	4.90E-03	2.65E-06
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite	lb/ton	2.55E-02	8.92E-03	1.35E-03	0.00E+00	2.55E-02	8.92E-03	1.35E-03	0.00E+00	3.13E-04	1.10E-04	1.66E-05	0.00E+00	3.13E-04	1.10E-04	1.66E-05	0.00E+00
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-02	6.85E-03	1.04E-03	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-02	5.00E-03	7.57E-04	1.17E-07
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite	lb/ton	7.24E-02	2.54E-02	3.84E-03	5.92E-07	1.81E-02	6.34E-03	9.60E-04	1.48E-07	1.43E-02	5.00E-03	7.57E-04	1.17E-07	3.57E-03	1.25E-03	1.89E-04	2.91E-08
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-02	5.57E-03	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	8.17E-04	1.24E-04	0.00E+00
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray	lb/ton	2.95E-02	1.03E-02	1.56E-03	0.00E+00	2.95E-02	1.03E-02	1.56E-03	0.00E+00	2.33E-03	8.17E-04	1.24E-04	0.00E+00	2.33E-03	8.17E-04	1.24E-04	0.00E+00
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag	lb/ton	8.32E-01	2.91E-01	4.41E-02	4.24E-05	8.32E-01	2.91E-01	4.41E-02	4.24E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag	lb/ton	1.66E+00	5.82E-01	8.82E-02	8.48E-05	1.66E+00	5.82E-01	8.82E-02	8.48E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05	2.72E-01	9.51E-02	1.44E-02	1.39E-05
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick	lb/ton	7.67E-01	2.68E-01	4.06E-02	0.00E+00	7.67E-01	2.68E-01	4.06E-02	0.00E+00	4.88E-02	1.71E-02	2.58E-03	0.00E+00	4.88E-02	1.71E-02	2.58E-03	0.00E+00
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite	lb/ton	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle																	
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle																	

Segment Properties

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci	1-2	2-3	3-4	3-145	4-126	5-4	1-6	6-7	7-8	7-9	7-11	8-6	9-10	9-121	10-176	11-10	12-10	13-14
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																			
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																			
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																			
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																			
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																			
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																			
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																			
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																			
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																			
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																			
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																			
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																			
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																			
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																			
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																			
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																			
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																			
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																			
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																			
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Road Segment Distance (miles)[36]	0.25	0.05	0.02	0.13	0.14	0.04	0.20	0.09	0.03	0.16	0.12	0.06	0.06	0.02	0.22	0.05	0.03	0.18

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 13-43	116-13	14-15	14-29	14-53	14-114	15-16	15-28	16-17	16-18	16-110	18-19	18-20	20-21	20-52	21-22	21-23	21-138	23-24	23-38	23-40
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																					
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																					
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																					
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																					
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																					
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																					
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																					
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																					
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																					
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																					
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																					
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																					
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																					
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																					
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																					
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0.20	0.02	0.09	0.04	0.57	0.07	0.02	0.03	0.02	0.13	0.03	0.03	0.06	0.15	0.05	0.10	0.09	0.05	0.11	0.02	0.04

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 23-109	121-23	24-25	24-123	24-26	26-27	26-28	26-33	26-35	28-137	28-139	29-30	29-31	31-32	31-33	33-34	33-35	35-36	36-37	38-39	38-40
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																					
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																					
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																					
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																					
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																					
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																					
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																					
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																					
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																					
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																					
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																					
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																					
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																					
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																					
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																					
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0.06	0.88	0.03	0.10	0.03	0.05	0.06	0.08	0.06	0.04	0.05	0.02	0.02	0.03	0.02	0.02	0.01	0.09	0.03	0.30	0.03

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 38-103	40-41	40-50	40-107	41-42	41-47	41-48	43-44	43-124	43-143	44-144	121-46	48-49	48-51	48-105	48-141	105-49	107-50	52-53	52-119	53-54
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																					
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																					
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																					
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																					
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																					
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																					
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																					
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																					
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																					
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																					
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																					
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																					
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																					
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																					
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																					
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0.10	0.11	0.29	0.05	0.04	0.22	0.07	0.19	0.10	0.15	0.12	0.13	0.28	0.06	0.01	0.31	0.24	0.21	0.22	0.09	0.05

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

				Faci	Road Segments[35]																	
Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	54-55	54-56	54-127	54-146	56-57	56-58	58-59	58-60	58-133	60-60	10-61	124-61	101-135	102-135	103-104	103-141	104-103	105-106	107-108	110-111	110-112
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																					
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																					
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																					
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																					
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																					
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																					
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																					
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																					
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																					
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																					
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																					
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																					
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																					
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																					
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																					
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0.33	1.55	0.63	0.06	0.08	0.08	0.16	0.69	0.17	0.02	0.06	0.14	0.18	0.28	0.06	0.28	0.06	0.23	0.11	0.01	0.03

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 111-18	111-113	111-147	112-22	114-117	114-115	116-117	126-116	117-53	119-118	119-120	119-140	119-147	121-122	136-124	136-125	126-136	127-128	127-129	129-130	129-131
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																					
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																					
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																					
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																					
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																					
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																					
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																					
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																					
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																					
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																					
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																					
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																					
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																					
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																					
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																					
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0.09	0.04	0.04	0.04	0.28	0.01	0.57	0.29	0.07	0.17	0.04	0.04	0.06	0.05	0.04	0.09	0.12	0.06	0.19	1.03	0.56

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

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Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	131-56	131-132	60-133	133-134	260-133	139-33	141-135	143-44	143-142	143-144	145-5	145-175	147-118	175-182	176-177	176-178	178-035	179-180	180-181	181-182	181-184
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																					
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																					
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																					
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																					
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																					
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																					
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																					
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																					
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																					
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																					
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																					
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																					
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																					
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																					
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																					
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																					
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																					
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0.15	0.24	0.61	0.47	0.54	0.04	0.65	0.04	0.03	0.16	0.04	0.08	0.05	0.10	0.04	0.06	0.24	0.25	0.06	0.03	0.12

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 182-183	25-1000	1000-1001	1001-36	222-1002	25-1002	1002-36	1-1008	1008-1003	1003-1004	28-1004	1004-1005	1005-37	1006-1007	1007-11	130-150	11-1009	1-1010	1010-1011	1011-1012
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																		1	0	
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																			1	
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																				1
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick																				
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																				
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone																				
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum																				
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum																				
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone																				
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite																				
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite																				
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite																				
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray																				
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray																				
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray																				
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag																				
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag																				
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick																				
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																				
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				0.10	0.19	0.04	0.66	0.10	0.04	0.18	0.82	0.27	0.01	0.02	0.31	0.11	0.11	0.10	0.24	1.10	0.52	2.56	0.16

CalPortland Oro Grande Reporting Year 2019 CEIR Haul Road & Material Handling Fugitives Emissions Summary

Trip Name[2]	Trip Number[3]	Process Group[4]	Material[5]	Faci 1013-1014	1014-34	1015-1016	1017-1012	1011-1017	1016-1012	1018-37	1019-1020	1020-36	1019-1021	1-1019	1021-37	1022-144	22-1022	1014-34	1-1019
Quarry Iron Ore Stockpile 028 to Mill Scale Blend Stockpile	TRP281004	Raw Material Handling	Iron Ore																
Mill Scale Blend Stockpile to ASB Iron Ore and Mill Scale Blend Stockpile	TRP10041005	Raw Material Handling	Mill Scale Iron Ore Blend																
ASB Iron Ore and Mill Scale Blend Stockpile to ASB Hopper	TRP100537	Raw Material Handling	Mill Scale Iron Ore Blend																
Off Spec Clinker Loadout to Finish Mill Clinker Pile	TRP10061007	Clinker Handling	Clinker																
Finish Mill Clinker Pile to Finish Mill	TRP100711	Clinker Handling	Clinker																
Mack's Peak Quarry to Mack's Peak Waste Dump (Full)	TRP130150	Waste Rock Handling	Quarry Overburden																
Clinker Loadout to Shay Klondike Clinker Pile	TRP111009	Clinker Handling	Clinker																
7/8 Gypsum Delivery - Paved	TRP11010	Raw Material Handling	Gypsum																
7/8 Gypsum Delivery - Unpaved	TRP10101011	Raw Material Handling	Gypsum																
7/8 Gypsum to Finish Mill No. 2	TRP10111012	Raw Material Handling	Gypsum																
Brick Pile, Sparkhule Quarry to Crushed Brick Pile, Sparkhule Quarry	TRP10131014	Raw Material Handling	Brick	1															
Crushed Brick Pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick		1														
Crushed Limestone pile, Sparkhule Quarry to Finish Mill No. 2, Limestone Pile	TRP10151016	Raw Material Handling	Limestone			1													
Finish Mill No. 2, Gypsum Pile to Finish Mill No. 2	TRP10171012	Raw Material Handling	gypsum				1												
7/8 Gypsum pile to Finish Mill No. 2, Gypsum Pile	TRP10111017	Raw Material Handling	Gypsum					1											
Finish Mill No. 2, Limestone Pile to Finish Mill No. 2	TRP10161012	Raw Material Handling	Limestone						1										
Laterite Stockpile to Additives Hopper	TRP101837	Raw Material Handling	laterite							1									
New Bauxite Delivery - unpaved	TRP10191020	Raw Material Handling	Bauxite								1								
New Bauxite to ASB	TRP102036	Raw Material Handling	Bauxite									1							
New Gray Clay (2/5) delivery - unpaved	TRP10191021	Raw Material Handling	Clay - Gray										1						
New Gray Clay (2/5) delivery - paved	TRP11019	Raw Material Handling	Clay - Gray											1					
New Gray Clay (2/5) stockpile to Additives Hopper	TRP102137	Raw Material Handling	Clay - Gray												1				
Polycom Slag Stockpile to Coal Hopper	TRP1022144	Raw Material Handling	Slag													1			
Quarry Steel Slag Stockpile 2 022 to Polycom Slag Stockpile	TRP221022	Raw Material Handling	Slag														1		
Crushed Brick pile, Sparkhule Quarry to Primary Crusher	TRP101434	Raw Material Handling	Brick															1	
New Bauxite Delivery - paved	TRP11019	Raw Material Handling	Bauxite																1
Main Plant Road-181184	TRP181184	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-180181	TRP180181	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-181182	TRP181182	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-179180	TRP179180	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-182183	TRP182183	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-175182	TRP175182	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-145175	TRP145175	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-010176	TRP010176	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-176177	TRP176177	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-176178	TRP176178	Vehicle Road Dust	Gasoline Vehicle																
Main Plant Road-178035	TRP178035	Vehicle Road Dust	Gasoline Vehicle																
				0.18	2.35	2.81	0.10	0.16	0.10	0.53	0.38	0.40	0.32	0.52	0.38	0.22	0.81	2.35	0.52

1. Note that the Trips spreadsheet has two rows for each trip (to/from) and this spreadsheet consolidates trips with identical to/from routes into one row. This does note apply to trips added for 2018
2. Trip Name comes from Column D of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge..
3. Trip Number comes from Column F of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
4. Process Group comes from Column G of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
5. Material comes from Column I of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
6. From point comes from Column J of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
7. To point comes from Column K of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
8. Trip Number comes from Column F of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
9. Vehicle comes from Column L of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
10. Full/Empty designation comes from Column M of the Trips tab in the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.. N/A is indicated for identical 2-way trips and for gasoline vehicles who do not participate in dumping/loading activities
11. SCC Number is updated from the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge. as those numbers did not appear correct
12. Total Gasoline Vehicle Mileage (miles) = Gasoline Dispensed (gal) x Fuel Efficiency (mpg) x (1 - Percentage of Gasoline Personal Use (%) / 100)
13. Gasoline Trips per Year = Total Gasoline Vehicle Mileage (miles) / Average Gasoline Vehicle Trip Distance (miles/trip)
14. Input Basis from Columns T and U of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
15. Vehicle Height from Column S of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
16. Vehicle Weights from Column Y of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
17. Average Vehicle Weight is the average of the full and empty vehicle weights.
18. Fraction Allocated from Column AA of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge. and converted to a fraction from percent
19. Average Hourly Quantity from Column AC of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
20. Payload from Column AD of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
21. Maximum Tons per Hour from Column AE of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
22. Trips/Year = Annual Quantity (tons/yr) x Fraction Allocated / Payload (tons/trip)
23. Trips/Hour = Average Hourly Quantity (tons/hr) x Payload (tons/trip)
24. Start Node from Column AH of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
25. Load Control Efficiency at Start Node from Column AI of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
26. End Node from Column AJ of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
27. Dump Control Efficiency at End Node from Column AK of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
28. Moisture Content from TblMoistureContent of the Reference tab of the 2016 CEIR spreadsheet based on the material listed in Column D of this spreadsheet
29. Determination of identical two way trips was made by evaluating the road segments used in Columns AT-BL of the Trips tab of the 2016 CEIR spreadsheet
30. Trip Parameters from columns AT-BS in the Trips tab of the 2016 CEIR spreadsheet. The miles traveled by road type is recalculated to confirm equations and content has been transferred correctly.
31. Particle Size Multiplier from AP-42 Section 13.2.4 Aggregate Handling and Storage Piles page 13.2.4-4.
32. Emission Factors (lb/ton) = Particle Size Multiplier x 0.0032 x (Mean Wind Speed (mph)/5)^1.3 / (Material Moisture Content (%)/2)^1.4 per AP-42 Chapter 13.2.4, Equation 1
33. Particulate Hourly Emissions (lb/hr) = Maximum Tons per Hour (tph) x Fraction Allocated x Emission Factor (lb/ton) x (1-Control Efficiency/100) unless Annual Quantity is less than Maximum Tons per Hour in which case the hourly emissions are set equal to the annual emissions.
Lead Hourly Emissions (lb/hr) = PM Emissions (lb/hr) / 1,000,000 (ppm) x Lead Concentration (ppm)
34. Annual Emissions (tpy) = Annual Quantity (tons/yr) x Fraction Allocated x Emission Factor (lb/ton) x (1-Control Efficiency/100) / 2,000 (lb/ton)
Lead Hourly Emissions (tpy) = PM Emissions (tpy) / 1,000,000 (ppm) x Lead Concentration (ppm)
35. Road Segment matrix from Columns BW-HL of the Trips tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
36. Road Segment Length from Column F of the Road PM Emissions tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
37. Type of Surface from Column C of the Road PM Emissions tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
38. Silt Loading from Column E of the Road PM Emissions tab of the 2016 CEIR spreadsheet except for trips added in 2018 for which data is based on process knowledge.
39. Trip Weighted Average Vehicle Weight (tons) = Trips/Year / Annual Number of One Way Trips x Average Vehicle Weight (tons) for each trip on each segment. The equation adds the same calculation a second time for trips with identical to/from routes.
40. Dust Control Efficiency Fraction from Column V of the Road PM Emissions tab of the 2016 CEIR spreadsheet and converted to a fraction
41. Gasoline Vehicle Weighting comes from Row 22, Columns BW-HL of the Trips tab of the 2016 CEIR spreadsheet.
42. Miles Traveled = Number of Trips (per hour or year) x Road Segment Distance (miles)
43. Paved Road Particle Size Multipliers from Table 13.2.1-1 of AP-42
44. Unpaved Road factors from Table 13.2.2-2 of AP-42
45. Hourly Paved Road Emission Factor (lb/VMT) = Particle Size Multiplier x Silt Loading (g/m^2)^0.91 x Trip Weighted Average Vehicle Weight (tons)^1.02 x (1 - 1.2 x Number of Rain Days/8,760) per Equation 3 of AP-42 Section 13.2.1
46. Annual Paved Road Emission Factor (lb/VMT) = Particle Size Multiplier x Silt Loading (g/m^2)^0.91 x Trip Weighted Average Vehicle Weight (tons)^1.02 x (1 - Number of Rain Days/(4 x 365)) per Equation 2 of AP-42 Section 13.2.1
47. Unpaved Road Emission Factor (lb/VMT) = Particle Size Multiplier x (Silt Content (%) / 12)^a x (Trip Weighted Average Vehicle Weight (tons) / 3)^b per Equation 1a of AP-42 Section 13.2.2 where a and b are empirical constants for each particle size
48. Hourly Particulate Emissions (lb/hr) = [Hourly Paved Road Emission Factor (lb/VMT) + Unpaved Road Emission Factor (lb/VMT)] x Hourly Miles (miles/hr) x (1 - Dust Control Efficiency)
Hourly Lead Emissions (lb/hr) = Hourly PM Emissions (lb/hr) / 2.2 (lb/kg) x Lead Concentration (mg Pb/kg PM) / 1,000 (mg/g) / 453.592 (g/lb)
49. Annual Particulate Emissions (tpy) = Annual Paved Road Emission Factor (lb/VMT) + Unpaved Road Emission Factor (lb/VMT) x Annual Miles (miles/yr) / 2,000 (lb/hr) x (1 - Dust Control Efficiency)
Annual Lead Emissions (lb/hr) = Annual PM Emissions tpy) x 2,000 (lb/ton) / 2.2 (lb/kg) x Lead Concentration (mg Pb/kg PM) / 1,000 (mg/g) / 453.592 (g/lb) / 2,000 (lb/ton)

CalPortland Oro Grande Reporting Year 2019 CEIR Material Properties

	Compound Concentration (mg/kg or ppm)[2]										
CAS	**7429905**	**7440360**	**7440382**	**7440393**	**7440417**	**7440439**	**7440473**	**18540299**	**7440484**	**7440508**	**1175**
Material[1]	**Aluminum**	**Antimony**	**Arsenic**	**Barium**	**Beryllium**	**Cadmium**	**Chromium**	**Cr(VI)**	**Cobalt**	**Copper**	**Silica, Crystln**
Aluminum Filter Cake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ASB Bauxite Clay Blend	4440.00	0.00	0.00	24.37	0.00	0.00	49.97	0.69	1.44	2.70	
Bauxite	0.00	0.00	0.00	2.43	0.00	0.00	121.33	1.73	0.90	0.00	
Carbon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cement	4796.55	64.00	0.00	28.00	0.00	0.00	27.00	0.00	0.00	12.00	
Cement+Flyash(7:1 ratio)	4196.98	0.00	29.42	110.75	0.29	0.00	39.71	10.60	0.86	4.25	
CKD	5049.00	0.00	41.00	79.00	0.00	0.00	44.67	3.13	0.00	0.00	
Clay - Acton White	7400.00	0.00	0.00	39.00	0.00	0.00	2.40	0.00	1.80	4.50	
Clay - Gray	7400.00	0.00	0.00	39.00	0.00	0.00	2.40	0.00	1.80	4.50	
Clay - White Ione	7400.00	0.00	0.00	39.00	0.00	0.00	2.40	0.00	1.80	4.50	
Clay, Iron Ore & Bauxite	6108.26	0.00	28.91	32.53	0.00	0.00	31.98	0.31	18.83	48.58	
Clinker	5049.00	0.00	41.00	79.00	0.00	0.00	44.67	3.13	0.00	0.00	
Clinker Storage Baghouse Dust	5049.00	0.00	31.33	48.00	0.00	0.00	34.00	8.20	0.00	10.33	
Coal	0.00	0.00	0.00	52.33	0.46	0.00	2.93	0.00	0.00	2.80	
Coal, Slag, and Clinker	3315.04	0.00	0.00	147.94	0.40	0.00	241.23	0.00	0.00	50.61	
Crushed Coal	0.00	0.00	3.83	92.00	0.58	0.00	12.67	0.00	1.10	6.10	
Finish Mill Feed	1267.05	0.00	7.14	9.73	0.00	0.00	2.78	0.00	0.00	0.00	
Gypsum	0.00	0.00	13.33	26.33	0.00	0.00	0.00	0.00	0.00	0.00	
Gypsum, Limestone & Clinker Blend	1082.35	0.00	15.90	29.98	0.00	0.00	7.41	0.47	0.00	0.00	
Iron Ore	7600.00	0.00	113.00	39.67	0.00	0.00	33.67	0.00	69.00	180.00	
Iron Ore & Clay	7462.51	0.00	35.32	39.21	0.00	0.00	12.17	0.00	22.80	59.35	
Kiln Exhaust Baghouse Dust	8800.00	0.00	44.33	29.00	0.00	0.00	19.00	0.73	3.33	18.33	
Lime	1300.00	0.00	6.98	9.30	0.00	0.00	2.85	0.00	0.00	0.00	
Limestone	1300.00	0.00	6.98	9.30	0.00	0.00	2.85	0.00	0.00	0.00	
Primary Crusher Baghouse Dust	1300.00	0.00	45.00	29.33	0.00	0.00	11.47	0.00	0.00	19.00	
Quarry Overburden	22000.00	0.00	3.10	43.00	0.00	0.00	9.40	0.00	4.33	9.57	
Quartzite	22000.00	0.00	3.10	43.00	0.00	0.00	9.40	0.00	4.33	9.57	
Raw Meal	1498.62	0.00	11.12	10.23	0.00	0.00	10.49	0.09	2.98	7.66	
Slag	25000.00	0.00	0.00	773.33	0.00	0.00	1800.00	0.00	0.00	363.33	
Slag and Clinker	25000.00	0.00	0.00	773.33	0.00	0.00	1800.00	0.00	0.00	363.33	
Synthetic Gypsum	0.00	0.00	0.00	41.00	0.00	0.00	25.00	0.00	100.00	0.00	
Waste Rock	22000.00	0.00	3.10	43.00	0.00	0.00	9.40	0.00	4.33	9.57	
Clay	7400.00	0.00	0.00	39.00	0.00	0.00	2.40	0.00	1.80	4.50	
Mill Scale	25000.00	0.00	0.00	773.33	0.00	0.00	1800.00	0.00	0.00	363.33	
Mill Scale Iron Ore Blend	25000.00	0.00	113.00	773.33	0.00	0.00	1800.00	0.00	69.00	363.33	
Gypsum and Limestone	1300.00	0.00	13.33	26.33	0.00	0.00	2.85	0.00	0.00	0.00	
Laterite											
Brick	504200.00										
Paved1	4000.00	0.00	3.10	43.00	0.00	0.00	21.00	0.00	4.33	19.00	4100.00
Paved2	4000.00	0.00	3.10	43.00	0.00	0.00	21.00	0.00	4.33	19.00	4100.00
UnpavedA	3500.00	0.00	3.10	43.00	0.00	0.00	30.00	0.00	4.33	50.00	16600.00
UnpavedB	3500.00	0.00	3.10	43.00	0.00	0.00	30.00	0.00	4.33	50.00	16600.00
UnpavedC	3500.00	0.00	3.10	43.00	0.00	0.00	30.00	0.00	4.33	50.00	16600.00
UnpavedD	3500.00	0.00	3.10	43.00	0.00	0.00	30.00	0.00	4.33	50.00	16600.00

1. Additional Materials may be added by typing into rows 39-52. Do not add or delete rows.

2. From TblMaterialComposition found in 2016 CEIR, Reference tab. Materials were last sampled in September 2008 (clay in December 2002).

CalPortland Oro Grande Reporting Y

CAS	7439965	7439976	7439921	7440020	7782492	7440224	7440280	7440622	7440666
Material[1]	Manganese	Mercury	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Aluminum Filter Cake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASB Bauxite Clay Blend	19.20	0.03	3.27	1.68	0.00	0.00	0.00	30.61	4.08
Bauxite	0.00	0.02	8.17	0.00	0.00	0.00	0.00	69.33	0.00
Carbon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cement	431.00	0.03	29.00	11.00	0.00	0.00	0.00	28.00	28.00
Cement+Flyash(7:1 ratio)	1412.38	0.00	55.79	3.00	0.00	0.00	0.00	38.17	69.04
CKD	1520.00	0.00	71.67	0.00	0.00	0.00	0.00	44.00	98.00
Clay - Acton White	32.00	0.03	0.00	2.80	0.00	0.00	0.00	4.80	6.80
Clay - Gray	32.00	0.03	0.00	2.80	0.00	0.00	0.00	4.80	6.80
Clay - White Ione	32.00	0.03	0.00	2.80	0.00	0.00	0.00	4.80	6.80
Clay, Iron Ore & Bauxite	1297.14	0.03	20.84	1.58	0.00	0.00	0.00	23.55	119.80
Clinker	1520.00	0.00	71.67	0.00	0.00	0.00	0.00	44.00	98.00
Clinker Storage Baghouse Dust	1520.00	0.00	54.00	0.00	0.00	0.00	0.00	34.00	70.67
Coal	8.00	0.03	1.93	2.07	1.50	0.00	0.00	3.70	3.82
Coal, Slag, and Clinker	1730.76	0.03	8.44	15.36	1.30	0.00	0.00	56.25	86.85
Crushed Coal	8.00	0.30	9.17	8.13	0.00	0.00	6.63	12.00	16.30
Finish Mill Feed	360.62	0.11	27.94	0.00	0.00	0.00	0.00	7.72	17.22
Gypsum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	0.00
Gypsum, Limestone & Clinker Blend	320.50	0.03	17.92	0.00	0.00	0.00	0.00	10.67	19.12
Iron Ore	5000.00	0.05	75.67	0.00	0.00	0.00	0.00	32.33	453.33
Iron Ore & Clay	1584.73	0.04	23.65	1.92	0.00	0.00	0.00	13.41	146.36
Kiln Exhaust Baghouse Dust	460.00	1.97	104.00	16.33	0.00	0.00	226.67	25.67	95.67
Lime	370.00	0.11	28.67	0.00	0.00	0.00	0.00	7.83	17.67
Limestone	370.00	0.11	28.67	0.00	0.00	0.00	0.00	7.83	17.67
Primary Crusher Baghouse Dust	370.00	0.11	140.00	18.33	0.00	0.00	0.00	24.33	76.00
Quarry Overburden	570.00	0.00	5.07	5.43	0.00	0.00	0.00	23.67	15.33
Quartzite	570.00	0.00	5.07	5.43	0.00	0.00	0.00	23.67	15.33
Raw Meal	547.23	0.11	29.57	0.00	0.00	0.00	0.00	12.16	35.26
Slag	13000.00	0.00	51.00	102.33	0.00	0.00	0.00	400.00	630.00
Slag and Clinker	13000.00	0.00	51.00	102.33	0.00	0.00	0.00	400.00	630.00
Synthetic Gypsum	0.00	0.06	0.00	5500.00	0.00	0.00	0.00	7600.00	0.00
Waste Rock	570.00	0.00	5.07	5.43	0.00	0.00	0.00	23.67	15.33
Clay	32.00	0.03	0.00	2.80	0.00	0.00	0.00	4.80	6.80
Mill Scale	13000.00	0.00	51.00	102.33	0.00	0.00	0.00	400.00	630.00
Mill Scale Iron Ore Blend	13000.00	0.05	75.67	102.33	0.00	0.00	0.00	400.00	630.00
Gypsum and Limestone	370.00	0.11	28.67	0.00	0.00	0.00	0.00	7.83	17.67
Laterite									
Brick									
Paved1	480.00	0.40	43.00	25.00	0.00	0.00	0.00	46.00	170.00
Paved2	480.00	0.40	43.00	25.00	0.00	0.00	0.00	46.00	170.00
UnpavedA	360.00	0.10	26.00	14.00	0.00	0.00	0.00	23.67	62.00
UnpavedB	360.00	0.10	26.00	14.00	0.00	0.00	0.00	23.67	62.00
UnpavedC	360.00	0.10	26.00	14.00	0.00	0.00	0.00	23.67	62.00
UnpavedD	360.00	0.10	26.00	14.00	0.00	0.00	0.00	23.67	62.00

1. Additional Materials may be added by typ
2. From TblMaterialComposition found in 2(

Material Water and Silt Content Information

Material	% Water	Reference	Silt %	Reference	Notes
Bauxite	8.63	Tested in 2018	7.62	Tested in 2018	
Alluvium					Not currently in use
ACA Clay New	10	AP-42, Table 13.2.4-1	20	Same as Clay	
ACA Clay	10	AP-42, Table 13.2.4-1	20	Same as Clay	
Clay	10	AP-42, Table 13.2.4-1	20	2006 CEIR	
Clay - White Ione	10	AP-42, Table 13.2.4-1	20	Same as Clay	
Clinker	0.2	2014 CEIR	5	2006 CEIR	
CKD	0.2	same as clinker	5	same as clinker	
Coal	6.9	AP-42, Table 13.2.4-1	6	2006 CEIR	
Coal/Slag	1.6	Same as limestone	15	Same as limestone	
Coke	1.6	Same as limestone	15	Same as limestone	
Gypsum	2.12	Tested in 2018	4.4	Tested in 2018	
Iron Ore	4.78	Tested in 2018	10.76	Tested in 2018	
Aluminum Filter Cake	0.5	MDAQMD Default factor	30	MDAQMD Default factor	
Iron Filter Cake					
Limestone	1.6	2014 CEIR	1.5	MDAQMD Mineral Guidance	
Mill Scale	0.92	Same as slag	10	2006 CEIR	
Primary Crusher Baghouse Dust	1.6	Same as limestone	0.5	2006 CEIR	
Quarry Overburden	0.5	MDAQMD Default factor	1.65	Tested in 2018	
Gypsum, Limestone & Clinker Blend	1.6	Same as limestone	1.5	Same as limestone	
Cement	0.2	Same as clinker	5	Same as clinker	
Slag	0.92	AP-42, Table 13.2.4-1	1.5	2006 CEIR	
ASB Bauxite Clay Blend	10	AP-42, Table 13.2.4-1	20	2006 CEIR	
Raw Meal	1.6	Same as Limestone	1.5	Same as Limestone	
Quartzite	1.6	Same as Limestone	1.5	Same as Limestone	
Gasoline	0		0		
Diesel	0		0		
Waste Rock	1.6	Same as Limestone	1.5	Same as Limestone	
Lime	10	2008 CEIR Appendix	15	2008 CEIR Appendix	
Carbon	10	2008 CEIR Appendix	15	2008 CEIR Appendix	
Gasoline Veh	0	Assumed 0 for VOC	0	2008 CEIR Appendix	
Cement+Flyash(7:1 ratio)	0.2	Same as clinker	0	2008 CEIR Appendix	
Mill Scale	0.92	Same as Slag	1.5	Same as Slag	
Mill Scale Iron Ore Blend	0.92	Same as Mill Scale	1.5	Same as Mill Scale	
Flyash	0.2	Same as clinker	0	2008 CEIR Appendix	
Clay - Gray	10	AP-42, Table 13.2.4-1	20	Same as Clay	
Clay - Acton White	10	AP-42, Table 13.2.4-1	20	Same as Clay	
Laterite	18.2	Online Reference	4.6	Online Reference	
Brick	1.6	Assume Same as Waste Rock	1.5	Assume Same as Waste Rock	

	Emissions (lb/hr)								
	18540299	**1746016**	**1151**	**50000**	**7440382**	**7440417**	**7440439**	**7440473**	**7440508**
Kiln Baghouse Toxics	**Hexavalent Chromium**	**2,3,7,8-TCDD Equivalent**	**Total PAHs**	**Formaldehyde**	**Arsenic**	**Beryllium**	**Cadmium**	**Chromium**	**Copper**
Raw Mill On	2.31E-05	1.36E-07	1.61E-02	5.52E-01	0	0	1.45E-03	1.27E-03	1.15E-03
Raw Mill Off	1.74E-05	5.35E-08	1.44E-02	7.80E-01	0	0	1.56E-03	1.13E-03	1.26E-03
Clinker Cooler Baghouse	2.60E-05				8.05E-05	0	5.66E-04	8.31E-04	7.95E-04

1. 2008 Stack Test Report except PCDD/PCDF which comes from the 2019 Stack Test Report

Diesel Engine Toxics

Unit	**Fuel Consumption Rate[1]**	**HHV of Diesel[2]**	**Density of Diesel[2]**	**71432**	**108883**	**1330207**	**115071**	**50000**	**75070**
	gal/hr	**Btu/lb**	**lb/gallon**	**Benzene**	**Toluene**	**Xylenes**	**Propylene**	**Formaldehyde**	**Acetaldehyde**
Fire Pump Engine	11	19300	7.1	9.33E-04	4.09E-04	2.85E-04	2.58E-03	1.18E-03	7.67E-04
Emergency Generator Engine	138			7.76E-04	2.81E-04	1.93E-04	2.79E-03	7.89E-05	2.52E-05

1. Fuel Consumption Rate from individual unit permits
2. Diesel HHV and Density from AP-42 Table 3.4-1 footnote a
3. Fire pump emission factors from AP-42 Table 3.3-2
4. Generator emission factors from AP-42 Table 3.4-3

Respirable Crystalline Silica Content [1]

6.74E-02	(lb RCS/lb PM10)

1. Maximum value from Table 1-4 of PM4 Crystalline Silica and PM10 Particulate Matter Emission Factors for Aggregate Producing Sources, dated July 31, 2007

Kiln Baghouse Toxics	7439921 Lead	7439965 Manganese	7439976 Mercury	7440020 Nickel	7782492 Selenium	7440666 Zinc	71432 Benzene
Raw Mill On	7.97E-04	5.41E-03	7.68E-02	1.56E-03	3.31E-04	2.24E-02	7.15E-02
Raw Mill Off	5.03E-04	1.26E-03	2.41E-02	1.13E-03	1.45E-04	2.00E-02	1.00E-01
Clinker Cooler Baghouse	1.20E-03	2.37E-03	3.26E-05	1.38E-03	2.96E-04	1.55E-02	

1. 2008 Stack Test Report except PCDD,

Diesel Engine Toxics

							EF (lb/MMBtu)[3, 4]	
Unit	107028 Acrolein	106990 1,3 Butadiene	91203 Naphthalene	83329 Acenaphthene	208968 Acenaphthylene	120127 Anthracene	56553 Benz(a)anthracene	50328 Benzo(a)pyrene
Fire Pump Engine	9.25E-05	3.91E-05	8.48E-05	1.42E-06	5.06E-06	1.87E-06	1.68E-06	1.88E-07
Emergency Generator Engine	7.88E-06							

APPENDIX C. ANNUAL COMPLIANCE CERTIFICATION

CALPORTLAND

April 6, 2020

Mr. Alan De Salvio
Mojave Desert AQMD
14306 Park Avenue
Victorville, CA 92392

Subject: **CalPortland Company Oro Grande (223900003) Annual Title V Certification**

Dear Mr. De Salvio:

Please find enclosed CalPortland Company Oro Grande's Annual Title V Certification Report for the reporting period of March 17, 2019, through March 16, 2020.

For additional information, please contact me at (760) 269-1135.

Sincerely,

J. Gammett

Jessica Gammett
Environmental Manager

Mojave Desert Air Quality Management District

TITLE V ANNUAL COMPLIANCE CERTIFICATION

I. CHANGE OF OWNER – IF APPLICABLE

NEW OWNER/COMPANY NAME:
Former Owner Company name:
Certification Period (12 months prior to change of ownership): March 17, 2019 through March 16, 2020

II. FACILITY INFORMATION

1. FACILITY NAME: **CalPortland Oro Grande**
2. FACILITY ADDRESS: **19409 NATIONAL TRAILS HWY, ORO GRANDE, CA 92368**
3. COMPANY NAME: **CalPortland Company**
4. COMPANY ADDRESS: **PO BOX 146, ORO GRANDE, CA 92368**
5. FACILITY ID: **3**
6. TITLE V PERMIT #: **223900003**
7. THIS REPORT IS DUE: **April 15, 2020**
8. THIS REPORT COVERS THE PERIOD FROM: **MARCH 17, 2019** TO: **MARCH 16, 2020**

III. ANNUAL COMPLIANCE CERTIFICATION REPORT

9. COMPLIANCE STATUS FOR THE REPORTING PERIOD

a. ☐ This facility has been in continuous compliance with all terms and conditions in the Title V permit

b. ☒ This facility has been in intermittent compliance with terms and conditions in the Title V permit due to noncompliance with the following permit conditions or rules:

Permit Condition or Rule Number(s)	Device Number(s)	Date	Deviation Notice Submitted?
III.A.140	661PP010	3/16/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.112	621FN145	3/22/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.96	611DG015	4/1/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.71	521BF101	4/26/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.49	461BI600	5/17/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.98	611FN060	6/7/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.128	613CP082	7/11/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.92	441BF101	9/19/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.44	331FN400	9/26/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached

III.A.49	4612MILL100	10/2/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.57	511FN106	12/23/2019	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.44	461BF550	1/18/2020	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.70	471DG101	2/24/2020	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached
III.A.48	441SC552	3/7/2020	☑ Yes, on Monthly Breakdown Report ☐ No, form is attached

10. THE METHODS USED FOR DETERMINING COMPLIANCE STATUS ARE:

a. ☒ Entirely consistent with the Title V permit

b. ☐ Partially consistent with the Title V permit, with the exception of: (Describe in detail how the methods used are different from those listed in the permit and to what extent the devices or operations at the facility are impacted. Attach additional pages as necessary).

11. Are there any other facts or circumstances that have been required to determine the compliance status of the facility (e.g. compliance plans, terms of a variance, or order of abatement)?

a. ☒ No

b. ☐ Yes (Explain)

IV COMPLIANCE STATUS DETAIL FOR THE REPORTING PERIOD: In numerical order list all permit units that are subject to one or more applicable requirements. List all requirement for a permit, each in a separate box, before moving on to the next permit number. Attach additional sheets as necessary. Refer to the attached instructions for more information.

Company Name: CalPortland Oro Grande				**Permit #:** 223900003
Certification Period: March 17, 2019 **through** March 16, 2020				**Page** ____ **of** _____
COLUMN 1 **T-V Subsection Number**	**COLUMN 2** **Permit Condition No. or District Rule No. or federal code citation for (MACT/NESHAP)**	**COLUMN 3** **Compliance Status during Period:** **"CONTINUOUS"; "INTERMITTENT"; OR "NOT IN COMPLIANCE"**	**COLUMN 4** **Method for determining Compliance Status.**	**COLUMN 5** **NOTES - Additional Information**
II.A.1	Rule 203	Continuous		
II.A.2	Rule 203	Intermittent	Exceptions are noted for equipment in Part III	
II.A.3	Rule 204	Continuous		
II.A.4	Rule 204	Continuous		
II.A.5	Rule 206	Continuous		
II.A.6	Rule 207	Continuous		
II.A.7	Rule 209	Continuous		
II.A.8	Rule 217	Continuous		
II.A.9	Rule 219	Continuous		
II.A.10	Rule 221	Continuous		
II.A.11	Rule 301	Continuous		
II.A.12	Rule 312	Continuous		
II.A.13	Rule 204 Rule 401	Continuous		
II.A.14	40 CFR 70.6(a)(3)(i)(B) Rule 431	Continuous		

II.A.15	Rule 403	Intermittent		
II.A.16	Rule 403.2	Continuous		
II.A.17	Rule 404	Continuous		
II.A.18	Rule 405	Continuous		
II.A.19	Rule 406	Continuous		
II.A.20	Rule 407	Continuous		
II.A.21	Rule 408	Continuous		
II.A.22	Rule 409	Continuous		
II.A.23	Rule 430	Continuous		
II.A.24	Rule 441	Continuous		
II.A.25	Rule 442	Continuous	Material subject to the rule are not used at this facility	
II.A.26	Rule 444	Continuous		
II.A.27	Rule 1104	Continuous	Records of VOC content per Material Safety Data Sheets/Safety Data Sheets and/or manufacturers specifications are maintained at facility.	
II.A.28	Rule 1113	Continuous	Periodic monitoring of coatings VOC content. Records of VOC content per Material Safety Data Sheets/Safety Data Sheets and/or manufacturers specifications are maintained at facility.	
II.A.29	Rule 1114	Continuous	Material subject to the rule are not used at this facility	
II.A.30	Rule 1115	Continuous	Periodic monitoring of coatings VOC content. Records of VOC content per Material Safety Data Sheets/Safety	

			Data Sheets and/or manufacturers specifications are maintained at facility.	
II.A.31	Rule 1116	Continuous	Periodic monitoring of coatings VOC content. Records of VOC content per Material Safety Data Sheets/Safety Data Sheets and/or manufacturers specifications are maintained at facility.	
II.A.32	Rule 1161	Continuous	All required data are recorded, maintained on site and reported at required.	
II.A.33	Regulation XII	Continuous		
II.A.34	40 CFR Part 98	Continuous		
II.B.1	40 CFR 70.6(a)(3)(ii)(B) Rule 1203(D)(1)(d)(ii)	Continuous		
II.B.2	Rule 204	Continuous		
II.B.3	40 CFR 70.6(a)(3)(B) Rule 204	Continuous		
II.B.4	40 CFR 70.6(c)(5)(i) Rule 1208 Rule 1203(D)(1) (g)(vii-x)	Continuous	This report is submitted in compliance with this requirement	
II.B.5	Rule 1203(D)(1)(e)(i)	Continuous		
II.B.6	Rule 1203(D)(1)(e)(ii) Rule 430(C)	Continuous		
II.B.7	Rule 1201 (I)(3)(iii) Rule 1203 (D)(1)(e)(ii) Rule 1203 (D)(1)(g)(v)	Continuous		
II.C.1	40 CFR 70.6(c)(2)(i)	Continuous	[JG1]	

	Rule 1203(D)(1)(g)(i)			
II.C.2	40 CFR 70.6(c)(2)(ii) Rule 1203(D)(1)(g)(ii)	Continuous		
II.C.3	40 CFR 70.6(c)(2)(iii) Rule 1203(D)(1)(g)(iii)	Continuous		
II.C.4	40 CFR 70.6(c)(2)(iv) Rule 1203(D)(1)(g)(iv)	Continuous		
II.C.5	Rule 1203 (D)(1)(f)(ii)	Continuous		
II.C.6	Rule 1201 (I)(2) Rule 1203(D)(1)(g)(v)	Continuous		
II.C.7	40 CFR 61, Subparts A and M	Continuous		
II.C.8	40 CFR 61.145.b	Continuous	No Asbestos was removed during this time period	
II.C.9	40 CFR 61.145.b	Continuous	No Asbestos renovations were expected during this time period.	
III.A.1.1	Rule 204	Continuous		
III.A.1.2	Rule 204 Rule 1303(A)	Continuous		
III.A.1.3	Rule 204 Rule 1303(A)	Continuous		
III.A.1.4	Rule 405 Rule 1300	Continuous	All required data are recorded and maintained on site.	
III.A.2.1	Rule 204	Continuous		
III.A.2.2	Rule 204	Continuous		
III.A.2.3	40 CFR Part 63 subpart LLL Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site.	
III.A.2.4	40 CFR 60 Subpart OOO	Continuous		
III.A.2.5	40 CFR 60.672(e)(1)	Continuous		
III.A.2.6	Rule 404	Continuous		
III.A.2.7	Rule 204	Continuous		

III.A.2.9	Rule 204	Continuous		
III.A.3.1	Rule 204	Continuous		
III.A.3.2	Rule 204 Rule 1303(A)	Continuous		
III.A.3.3	Rule 204 Rule 1303(A)	Continuous		
III.A.4.1	Rule 204	Continuous		
III.A.4.2	Rule 204 Rule 1303(A)	Continuous		
III.A.4.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site.	
III.A.4.4	40 CFR Part 60 subpart OOO Rule 1303(A)	Continuous		
III.A.4.5	40 CFR 60.672(a)(2)	Continuous		
III.A.4.6	Rule 404	Continuous		
III.A.4.7	Rule 1303(A)	Continuous		
III.A.4.8	Rule 1303(A)	Continuous		
III.A.5.1	Rule 204	Continuous		
III.A.6.1	Rule 204	Continuous		
III.A.7.1	Rule 204	Continuous		
III.A.8.1	Rule 204	Continuous		
III.A.8.2	Rule 204 Rule 1303(A)	Continuous		
	Rule 1303(A)	Continuous		
III.A.8.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.8.4	40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		

III.A.8.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.8.6	Rule 1303(A) Rule 404	Continuous		
III.A.8.7	Rule 1303(A)	Continuous		
III.A.8.8	Rule 1303(A)	Continuous		
III.A.9.1	Rule 204	Continuous		
III.A.10.1	Rule 204 Rule 1303A	Continuous		
III.A.11.1	Rule 204 Rule 1303A	Continuous		
III.A.12.1	Rule 204	Continuous		
III.A.12.2	Rule 204 Rule 1303(A)	Continuous		
III.A.12.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.12.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL 40 CFR Part 63 subpart Y Rule 1303(A)	Continuous		
III.A.12.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.12.6	Rule 1303(A) Rule 404	Continuous		
III.A.12.7	Rule 1303(A)	Continuous		
III.A.12.8	Rule 1303(A)	Continuous		
III.A.13.1	Rule 204 Rule 1303(A)	Continuous		
III.A.14.1	Rule 204 Rule 1303(A)	Continuous		

III.A.15.1	Rule 204 Rule 1303(A)	Continuous		
III.A.16.1	Rule 204	Continuous		
III.A.16.2	Rule 204 Rule 1303(A)	Continuous		
III.A.17.1	Rule 204	Continuous		
III.A.17.2	Rule 1300	Continuous		
III.A.17.3	Rule 204 Rule 1303(A)	Continuous		
III.A.17.4	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.17.5	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.17.6	40 CFR 63.1345 Rule 401	Continuous		
III.A.17.7	Rule 1303(A)	Continuous		
III.A.17.8	Rule 1303(A)	Continuous		
III.A.17.9	Rule 1303(A)	Continuous		
III.A.18.1	Rule 204 Rule 1303(A)	Continuous		
III.A.19.2	Rule 204 Rule 1303(A)	Continuous		
III.A.20.1	Rule 204 Rule 1303(A)	Continuous		
III.A.21.1	Rule 204 Rule 1303(A)	Continuous		
III.A.22.1	Rule 204	Continuous		
III.A.22.2	Rule 204 Rule 1303(A)	Continuous		

III.A.23.1	Rule 204	Continuous		
III.A.23.2	Rule 204 Rule 1303(A)	Continuous		
III.A.23.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.23.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.23.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.23.6	Rule 1303(A) Rule 404	Continuous		
III.A.23.7	Rule 1303(A)	Continuous		
III.A.23.8	Rule 1303(A)	Continuous		
III.A.24.1	Rule 204 Rule 1303(A)	Continuous		
III.A.25.1	Rule 204 Rule 1303(A)	Continuous		
III.A.26.1	Rule 204 Rule 1303(A)	Continuous		
III.A.27.1	Rule 204 Rule 1303(A)	Continuous		
III.A.28.1	Rule 204	Continuous		
III.A.28.2	Rule 204 Rule 1303(A)	Continuous		
III.A.29.1	Rule 204	Continuous		
III.A.29.2	Rule 204 Rule 1303(A)	Continuous		
III.A.29.3	40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous	All required data are recorded and maintained on site	

	Rule 1203(D)(1)(d)(ii)			
III.A.29.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.29.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.29.6	Rule 1303(A) Rule 404	Continuous		
III.A.29.7	Rule 1303(A)	Continuous		
III.A.29.8	Rule 1303(A)	Continuous		
III.A.30.1	Rule 204 Rule 1303(A)	Continuous		
III.A.31.1	Rule 204 Rule 1303(A)	Continuous		
III.A.32.1	Rule 204 Rule 1303(A)	Continuous		
III.A.33.1	Rule 204 Rule 1303(A)	Continuous		
III.A.34.1	Rule 204	Continuous		
III.A.34.2	Rule 204 Rule 1303(A)	Continuous		
III.A.34.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.34.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.34.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.34.6	Rule 1303(A)	Continuous		
III.A.34.7	Rule 1303(A)	Continuous		

III.A.34.8	Rule 1303(A)	Continuous		
III.A.35.1	Rule 204 Rule 1303(A)	Continuous		
III.A.36.1	Rule 204 Rule 1303(A)	Continuous		
III.A.37.1	Rule 204	Continuous		
III.A.37.2	Rule 204 Rule 1303(A)	Continuous		
III.A.38.1	Rule 204	Continuous		
III.A.38.2	Rule 204 Rule 1303(A)	Continuous		
III.A.38.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.38.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.38.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.38.6	Rule 1303(A) Rule 404	Continuous		
III.A.38.7	Rule 1303(A)	Continuous		
III.A.38.8	Rule 1303(A)	Continuous		
III.A.39.1	Rule 204	Continuous		
III.A.39.2	Rule 204 Rule 1303(A)	Continuous		
III.A.40.1	Rule 204	Continuous		
III.A.40.2	Rule 204 Rule 1303(A)	Continuous		
III.A.40.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	

III.A.40.4	CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.40.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.40.6	Rule 1303(A) Rule 404	Continuous		
III.A.40.7	Rule 1303(A)	Continuous		
III.A.40.8	Rule 1303(A)	Continuous		
III.A.41.1	Rule 204	Continuous		
III.A.41.2	Rule 204 Rule 1303(A)	Continuous		
III.A.41.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.41.4	40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.41.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.41.6	40 CFR 63.1349(b)(2) 40 CFR 63.7	Continuous		
III.A.41.7	Rule 1303(A) Rule 404	Continuous		
III.A.41.8	Rule 1303(A)	Continuous		
III.A.41.9	Rule 1303(A)	Continuous		
III.A.42.1	Rule 204	Continuous		
III.A.42.2	Rule 204 Rule 1303(A)	Continuous		
III.A.43.1	Rule 204	Continuous		
III.A.43.2	Rule 204 Rule 1303(A)	Continuous		
III.A.44.1	Rule 204	Continuous		

III.A.44.2	Rule 204 Rule 1303(A)	Continuous		
III.A.44.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.44.4	40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.44.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.44.6	40 CFR 63.1349(b)(2) 40 CFR 63.7	Continuous		
III.A.44.7	Rule 1303(A) Rule 404	Continuous		
III.A.44.8	Rule 1303(A)	Continuous		
III.A.44.9	Rule 1303(A)	Continuous		
III.A.45.1	Rule 204	Continuous		
III.A.45.2	Rule 204 Rule 1303(A)	Continuous		
III.A.45.3	Rule 1161	Continuous	All required data are recorded and maintained on site	
III.A.45.4	Rule 1161	Continuous		
III.A.45.5	Rule 1203 Rule 1303(A)	Continuous		
III.A.45.6		Continuous		
III.A.45.7		Continuous		
III.A.45.8		Continuous		
III.A.45.9		Continuous		
III.A.45.10		Continuous		
III.A.45.11		Continuous		

III.A.45.12		Continuous		
III.A.46.1	Rule 204	Continuous		
III.A.46.2	Rule 204 Rule 1303(A)	Continuous		
III.A.46.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.46.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.46.5	40 CFR 63.1347	Continuous		
III.A.46.6	Rule 1303(A)	Continuous		
III.A.46.7	Rule 1303(A)	Continuous		
III.A.46.8		Continuous		
III.A.47.1	Rule 204	Continuous		
III.A.47.2	Rule 204 Rule 1303(A)	Continuous		
III.A.47.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.47.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A	Continuous		
III.A.47.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.47.6	Rule 1303(A) Rule 404	Continuous		
III.A.47.7	Rule 1303(A)	Continuous		
III.A.47.8	Rule 1303(A)	Continuous		
III.A.47.9	Rule 204 Rule 1303(A)	Continuous		
III.A.48.1	Rule 204	Continuous		

III.A.48.2	Rule 204 Rule 1303(A)	Continuous		
III.A.48.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous		
III.A.48.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous	All required data are recorded and maintained on site	
III.A.48.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.48.6	Rule 1303(A) Rule 404	Continuous		
III.A.48.7	Rule 1303(A) Rule 404	Continuous		
III.A.48.8	Rule 1303(A)	Continuous		
III.A.48.9	Rule 1303(A)	Continuous		
III.A.48.10		Continuous		
III.A.49.1	Rule 204	Continuous		
III.A.49.2	Rule 204 Rule 1303(A)	Continuous		
III.A.50.1	Rule 204	Continuous		
III.A.50.2	Rule 204 Rule 1303(A)	Continuous		
III.A.50.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.50.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL 40 CFR Part 60 subpart Y Rule 1303(A)	Continuous		
III.A.50.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.50.6	Rule 1303(A)	Continuous		

	Rule 404			
III.A.50.7	Rule 1303(A)	Continuous		
III.A.50.8	Rule 1303(A)	Continuous		
III.A.51.1	Rule 204 Rule 1303(A)	Continuous		
III.A.52.1	Rule 204 Rule 1303(A)	Continuous		
III.A.53.1	Rule 204 Rule 1303(A)	Continuous		
III.A.54.1	Rule 204	Continuous		
III.A.54.2	Rule 204 Rule 1303(A)	Continuous		
III.A.54.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.54.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.54.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.54.6	Rule 1303(A) Rule 404	Continuous		
III.A.54.7	Rule 1303(A)	Continuous		
III.A.54.8	Rule 1303(A)	Continuous		
III.A.55.1	Rule 204 Rule 1303(A)	Intermittent		
III.A.56.1	Rule 204 Rule 1303(A)	Continuous		
III.A.57.1	Rule 204 Rule 1303(A)	Continuous		
III.A.58.1	Rule 204	Continuous		

III.A.58.2	Rule 204 Rule 1303(A)	Continuous		
III.A.58.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.58.4	40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.58.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.58.6	Rule 1303(A) Rule 404	Continuous		
III.A.58.7	Rule 1303(A)	Continuous		
III.A.58.8	Rule 1303(A)	Continuous		
III.A.59.1	Rule 204 Rule 1303(A)	Continuous		
III.A.60.1	Rule 204 Rule 1303(A)	Continuous		
III.A.61.1	Rule 204 Rule 1303(A)	Continuous		
III.A.62.1	Rule 204 Rule 1303(A)	Continuous		
III.A.62.2	Rule 204 Rule 1303(A)	Continuous		
III.A.63.1	Rule 204	Continuous		
III.A.63.2	Rule 204 Rule 1303(A)	Continuous		
III.A.63.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.63.4	40 CFR Part 63 subpart LLL Rule 1303(A)			
III.A.63.5	40 CFR 63.1345	Continuous		

	Rule 401			
III.A.63.6	Rule 1303(A) Rule 404	Continuous		
III.A.63.7	Rule 1303(A)	Continuous		
III.A.63.8	Rule 1303(A)	Continuous		
III.A.64.1	Rule 204 Rule 1303(A)	Continuous		
III.A.65.1	Rule 204	Continuous		
III.A.65.2	Rule 204 Rule 1303(A)	Continuous		
III.A.65.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.65.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.65.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.65.6	Rule 404	Continuous		
III.A.65.7	Rule 1303(A)	Continuous		
III.A.65.8	Rule 1303(A)	Continuous		
III.A.66.1	Rule 204 Rule 1303(A)	Continuous		
III.A.67.1	Rule 204 Rule 1303(A)	Continuous		
III.A.68.1	Rule 204	Continuous		
III.A.68.2	Rule 204 Rule 1303(A)	Continuous		
III.A.69.1	Rule 204	Continuous		
III.A.69.2	Rule 204 Rule 1303(A)	Continuous		

III.A.70.1	Rule 204	Continuous		
III.A.70.2	Rule 204 Rule 1303(A)	Continuous		
III.A.70.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.70.4	40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.70.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.70.6	40 CFR 63.1349(b)(2) 40 CFR 63.7	Continuous		
III.A.70.7	Rule 1303(A) Rule 404	Continuous		
III.A.70.8	Rule 1303(A)	Continuous		
III.A.70.9	Rule 1303(A)	Continuous		
III.A.71.1	Rule 204	Continuous		
III.A.71.2	Rule 204 Rule 1303(A)	Continuous		
III.A.72.1	Rule 204	Continuous		
III.A.72.2	Rule 204 Rule 1303(A)	Continuous		
III.A.72.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.72.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.72.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.72.6	Rule 1303(A)	Continuous		

	Rule 404			
III.A.72.7	Rule 1303(A)	Continuous		
III.A.72.8	Rule 1303(A)	Continuous		
III.A.73.1	Rule 204	Continuous		
III.A.73.2	Rule 204 Rule 1303(A)	Continuous		
III.A.73.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.73.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.73.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.73.6	Rule 1303(A) Rule 404	Continuous		
III.A.73.7	Rule 1303(A)	Continuous		
III.A.73.8	Rule 1303(A)	Continuous		
III.A.74.1	Rule 204 Rule 1303(A)	Continuous		
III.A.75.1	Rule 204 Rule 1303(A)	Continuous		
III.A.76.1	Rule 204	Continuous		
III.A.76.2	Rule 204 Rule 1303(A)	Continuous		
III.A.76.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.76.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		

III.A.76.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.76.6	Rule 1303(A) Rule 404	Continuous		
III.A.76.7	Rule 1303(A)	Continuous		
III.A.76.8	Rule 1303(A)	Continuous		
III.A.77.1	Rule 204 Rule 1303(A)	Continuous		
III.A.78.1	Rule 204 Rule 1303(A)	Continuous		
III.A.79.1	Rule 204 Rule 1303(A)	Continuous		
III.A.80.1	Rule 204 Rule 1303(A)	Continuous		
III.A.81.1	Rule 204 Rule 1303(A)	Continuous		
III.A.82.1	Rule 204	Continuous	Not Constructed	
III.A.82.2	Rule 204 Rule 1303(A)	Continuous	Not Constructed	
III.A.82.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	Not Constructed	
III.A.82.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous	Not Constructed	
III.A.82.5	40 CFR 63.1345 Rule 401	Continuous	Not Constructed	
III.A.82.6	Rule 1303(A) Rule 404	Continuous	Not Constructed	
III.A.82.7	Rule 1303(A)	Continuous	Not Constructed	
III.A.82.8	Rule 1303(A)	Continuous	Not Constructed	

III.A.83.1	Rule 204	Continuous	Not Constructed	
III.A.83.2	Rule 204 Rule 1303(A)	Continuous	Not Constructed	
III.A.83.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	Not Constructed	
III.A.83.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous	Not Constructed	
III.A.83.5	40 CFR 63.1345 Rule 401	Continuous	Not Constructed	
III.A.83.6	Rule 1303(A) Rule 404	Continuous	Not Constructed	
III.A.83.7	Rule 1303(A)	Continuous	Not Constructed	
III.A.83.8	Rule 1303(A)	Continuous	Not Constructed	
III.A.84.1	Rule 204	Continuous	Not Constructed	
III.A.84.2	Rule 204 Rule 1303(A)	Continuous	Not Constructed	
III.A.84.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	Not Constructed	
III.A.84.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous	Not Constructed	
III.A.84.5	40 CFR 63.1345 Rule 401	Continuous	Not Constructed	
III.A.84.6	Rule 1303(A) Rule 404	Continuous	Not Constructed	
III.A.84.7	Rule 1303(A)	Continuous	Not Constructed	
III.A.84.8	Rule 1303(A)	Continuous	Not Constructed	
III.A.85.1	Rule 204	Continuous		

	Rule 1303(A)			
III.A.86.1	Rule 204	Continuous		
III.A.86.2	Rule 204 Rule 1303(A)	Continuous		
III.A.86.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.86.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.86.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.86.6	Rule 1303(A) Rule 404	Continuous		
III.A.86.7	Rule 1303(A)	Continuous		
III.A.86.8	Rule 1303(A)	Continuous		
III.A.87.1	Rule 204	Continuous		
III.A.87.2	Rule 204 Rule 1303(A)	Continuous		
III.A.87.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.87.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.87.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.87.6	Rule 1303(A) Rule 404	Continuous		
III.A.87.7	Rule 1303(A)	Continuous		
III.A.87.8	Rule 1303(A)	Continuous		

III.A.88.1	Rule 204 Rule 1303(A)	Continuous		
III.A.89.1	Rule 204 Rule 1303(A)	Continuous		
III.A.90.1	Rule 204 Rule 1303(A)	Continuous		
III.A.91.1	Rule 204 Rule 1303(A)	Continuous		
III.A.92.1	Rule 204	Continuous		
III.A.92.2	Rule 204 Rule 1303(A)	Continuous		
III.A.92.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.92.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.92.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.92.6	Rule 404	Continuous		
III.A.92.7	Rule 1303(A)	Continuous		
III.A.92.8	Rule 1303(A)	Continuous		
III.A.93.1	Rule 204 Rule 1303(A)	Continuous		
III.A.94.1	Rule 204 Rule 1303(A)	Continuous		
III.A.95.1	Rule 204	Continuous		
III.A.95.2	Rule 204 Rule 1303(A)	Continuous		
III.A.95.3	40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous	All required data are recorded and maintained on site	

	Rule 1203(D)(1)(d)(ii)			
III.A.95.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.95.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.95.6	Rule 1303(A) Rule 404	Continuous		
III.A.95.7	Rule 1303(A)	Continuous		
III.A.95.8	Rule 1303(A)	Continuous		
III.A.96.1	Rule 204 Rule 1303(A)	Continuous		
III.A.97.1	Rule 204 Rule 1303(A)	Continuous		
III.A.98.1	Rule 204	Continuous		
III.A.98.2	Rule 204 Rule 1303(A)	Continuous		
III.A.99.1	Rule 204 Rule 1303(A)	Continuous		
III.A.100.1	Rule 204	Continuous		
III.A.100.2	Rule 204 Rule 1303(A)	Continuous		
III.A.100.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.100.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.100.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.100.6	Rule 404	Continuous		

III.A.100.7	Rule 1303(A)	Continuous		
III.A.100.8	Rule 1303(A)	Continuous		
III.A.101.1	Rule 204	Continuous		
III.A.101.2	Rule 204 Rule 1303(A)	Continuous		
III.A.101.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.101.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.101.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.101.6	Rule 1303(A) Rule 404	Continuous		
III.A.101.7	Rule 1303(A)	Continuous		
III.A.101.8	Rule 1303(A)	Continuous		
III.A.102.1	Rule 204 Rule 1303(A)	Continuous		
III.A.103.1	Rule 204 Rule 1303(A)	Continuous		
III.A.104.1	Rule 204 Rule 1303(A)	Continuous		
III.A.105.1	Rule 204 Rule 1303(A)	Continuous		
III.A.106.1	Rule 204 Rule 1303(A)	Continuous		
III.A.107.1	Rule 204	Continuous		
III.A.107.2	Rule 204 Rule 1303(A)	Continuous		
III.A.107.3	40 CFR Part 63 subpart LLL	Continuous	All required data are recorded and	

	Rule 1303(A) Rule 1203(D)(1)(d)(ii)		maintained on site	
III.A.107.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.107.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.107.6	Rule 1303(A) Rule 404	Continuous		
III.A.107.7	Rule 1303(A)	Continuous		
III.A.107.8	Rule 1303(A)	Continuous		
III.A.108.1	Rule 204 Rule 1303(A)	Continuous		
III.A.109.1	Rule 204 Rule 1303(A)	Continuous		
III.A.110.1	Rule 204 Rule 1303(A)	Continuous		
III.A.111.1	Rule 204 Rule 1303(A)	Continuous		
III.A.112.1	Rule 204	Continuous		
III.A.112.2	Rule 204 Rule 1303(A)	Continuous		
III.A.112.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.112.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.112.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.112.6	Rule 404	Intermittent	Breakdown Report Submitted	

III.A.112.7	Rule 1303(A)	Continuous		
III.A.112.8	Rule 1303(A)	Continuous		
III.A.113.1	Rule 204 Rule 1303(A)	Continuous		
III.A.114.1	Rule 204 Rule 1303(A)	Continuous		
III.A.115.1	Rule 204 Rule 1303(A)	Continuous		
III.A.116.1	Rule 204 Rule 1303(A)	Continuous		
III.A.117.1	Rule 204 Rule 1303(A)	Continuous		
III.A.117.2	Rule 204	Continuous		
III.A.117.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.118.1	Rule 204	Continuous		
III.A.118.2	Rule 204 Rule 1303(A)	Continuous		
III.A.118.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.118.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.118.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.118.6	Rule 404	Continuous		
III.A.118.7	Rule 1303(A)	Continuous		
III.A.118.8	Rule 1303(A)	Continuous		
III.A.119.1	Rule 204	Continuous		

III.A.119.2	Rule 204 Rule 1303(A)	Continuous		
III.A.119.3	40 CFR Part 63 subpart LLL Rule 1303(A) Rule 1203(D)(1)(d)(ii)	Continuous	All required data are recorded and maintained on site	
III.A.119.4	40 CFR Part 60 subpart F 40 CFR Part 63 subpart LLL Rule 1303(A)	Continuous		
III.A.119.5	40 CFR 63.1345 Rule 401	Continuous		
III.A.119.6	Rule 1303(A) Rule 404	Continuous		
III.A.119.7	Rule 1303(A)	Continuous		
III.A.119.8	Rule 1303(A)	Continuous		
III.A.120.1	Rule 204 Rule 1303(A)	Continuous		
III.A.121.1	Rule 204 Rule 1303(A)	Continuous		
III.A.122.1	Rule 204 Rule 1303(A)	Continuous		
III.A.123.1	Rule 204 Rule 1303(A)	Continuous		
III.A.124.1	Rule 204	Continuous		
III.A.124.2	Rule 461	Continuous	All required data are recorded and maintained on site	
III.A.124.3	Rule 203	Continuous		
III.A.124.C-2.1	Rule 432	Continuous		
III.A.124.C-2.2	Rule 461	Continuous		
III.A.124.C-2.3	Rule 461	Continuous		
III.A.124.C-2.4	Rule 461	Continuous		
III.A.124.C-2.5	Rule 461	Continuous		

III.A.124.C-2.6	Rule 461	Continuous		
III.A.124.C-2.7	Rule 461	Continuous		
III.A.124.C-2.8	Rule 461	Continuous		
III.A.124.C-2.9	Rule 461	Continuous		
III.A.124.C-2.10	40 CFR 70.6(a)(3)(ii)(B) Rule 1203(D)(1)(d)(ii) Rule 461 40 CFR 70.6(a)(3)(ii)(B) Rule 1203(D)(1)(d)(ii) 40 CFR 70.6 (a)(3)(i)(B)	Continuous	All required data are recorded and maintained on site	
III.A.124.C-2.11	Rule 461 40 CFR 70.6 (a)(3)(i)(B) Rule 204	Continuous		
III.A.124.C-2.12	Rule 461 40 CFR 70.6 (a)(3)(i)(B) Rule 204	Continuous		
III.A.124.C-2.13	Rule 461 40 CFR 70.6 (a)(3)(i)(B)	Continuous	All required data are recorded and maintained on site	
III.A.124.C-2.14	Rule 461 40 CFR 70.6 (a)(3)(i)(B)	Continuous		
III.A.124.C-2.15	Rule 461 40 CFR 70.6 (a)(3)(i)(B)	Continuous		
III.A.125.1	40 CFR 60.4205 40 CFR 60.4211 Rule 204	Continuous		
III.A.125.2	Rule 204 17 CCR 93115	Continuous	All required data are recorded and maintained on site	
III.A.125.3		Continuous		
III.A.125.4	17 CCR 93115 60.4207(b) Rule 431	Continuous		
III.A.125.5		Continuous		

III.A.125.6	17 CCR 93115 40 CFR 60.4211(f)	Continuous		
III.A.125.7	17 CCR 93115 40 CFR Part 60 Subpart IIII	Continuous		
III.A.125.9	CARB Executive Order G-02-003	Continuous		
III.A.126.1	40 CFR 60.4205 40 CFR 60.4211 Rule 204	Continuous		
III.A.126.2	Rule 204 17 CCR 93115	Continuous	All required data are recorded and maintained on site	
III.A.126.4	40 CFR 60.4207	Continuous		
III.A.126.5		Continuous		
III.A.126.6	40 CFR 60.4211 (f) 17 CCR 93115	Continuous		
III.A.126.7	40 CFR 60.4211 (f) 17 CCR 93115(c)16	Continuous		
III.A.126.8	17 CCR 93115 40 CFR Part 60, Subpart IIII	Continuous		
IV.A.1	40 CFR 70.6(a)(5) Rule 1203(D)(1)(f)(i)	Not Applicable		
IV.A.2	40 CFR 70.6(a)(6)(i) Rule 1203(D)(1)(f)(ii)	Continuous		
IV.A.3	40 CFR 70.6(a)(6)(ii) Rule 1203(D)(1)(f)(iii)	Not Applicable		
IV.A.4	40 CFR 70.6(a)(6)(iii) Rule 1203(D)(1)(f)(iv)	Not Applicable		
IV.A.5	40 CFR 70.6(a)(6)(iii) Rule 1203(D)(1)(f)(v)	Continuous		
IV.A.6	40 CFR 70.6(a)(6)(iv) Rule 1203(D)(1)(f)(vi)	Not Applicable		

IV.A.7	[40 CFR 70.6(a)(6)(v) Rule 1203(D)(1)(f)(vii)	Not Applicable		
IV.A.8	40 CFR 70.6(a)(6)(v) Rule 1203(D)(1)(f)(viii)	Continuous	All required data are recorded and maintained on site	
IV.A.9	40 CFR 70.6(a)(3)(ii)(B) Rule 1203(D)(1)(d)(ii)	Continuous		
IV.A.10	40 CFR 70.6(a)(7) Rule 1203(D)(1)(f)(ix)	Not Applicable		
IV.A.11	40 CFR 70.6(a)(8) Rule 1203(D)(1)(f)(x)	Continuous		
IV.A.12	40 CFR 70.6(f)(1)(i) Rule 1203(G)(1)	Not Applicable		
IV.A.13	40 CFR 70.6(f)(3)(i) Rule 1203(G)(3)(a)	Continuous		
IV.A.14	40 CFR 70.6(f)(3)(ii) Rule 1203(G)(3)(b)	Not Applicable		
IV.A.15	40 CFR 70.6(f)(3)(iii) Rule 1203(G)(3)(c)	Not Applicable		
IV.A.16	40 CFR 70.6(f)(3)(iv) Rule 1203(G)(3)(d)	Not Applicable		
IV.A.17	40 CFR 70.4(b)(12)(ii)(B) Rule 1203(G)(3)(e)	Not Applicable		
IV.A.18	40 CFR 70.4(b)(14)(iii) Rule 1203(G)(3)(f)	Not Applicable		
IV.A.19	40 CFR 70.5(a)(1)(ii) 70.7(e)(2)(vi) Rule 1203 (G)(3)(g)	Not Applicable		
IV.A.20	40 CFR Part 82, Subpart F	Continuous		
IV.A.21	40 CFR Part 82, Subpart B	Not Applicable		
IV.A.22	Section 113(a) of the Clean Air Act	Continuous		

IV.A.23	District Rule 1202 40 CFR 70, Rule 1202(B)(3)(b)	Continuous		

IV. RESPONSIBLE OFFICIAL SIGNATURE STATEMENT

I declare, under penalty of perjury under the laws of the state of California, that, based on information and belief formed after reasonable inquiry, all information provided in this certification package is true, accurate, and complete.

Signature of Responsible Official

_____ **Date** 4/8/20

Name of Responsible Official (please print)

Richard P. Walters, Jr.

Title of Responsible Official (please print)

Plant Manager

Mail to:
MDAQMD, 14306 Park Avenue.
Victorville, CA 92392
And mail to:
EPA Region IX
Air Division
75 Hawthorne Street
San Francisco, CA 94105-3901

APPENDIX D. CAM APPLICABILITY ANALYSIS

Table D-1. CalPortland Oro Grande Detailed CAM Applicability Analysis

Process Group	Description	Pollutant	Control Device Used?	Control Device #	Federally Enforceable Emission Limit or Standard	Reference	Continuous Compliance Determination Method?	Is Limit or Standard post 11/15/90?	Uncontrolled Potential to Emit (PTE)			Subject to CAM?	
									PTE (tpy)	Above Major Source Threshold?	Reference	Yes/No	Reason
110	Primary Crushing System	PM_{10}	Yes	110BF101	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	433	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
121	Secondary Crushing System	PM_{10}	Yes	121BF101 121BF102 121BF103	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	1,491	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
131	Limestone Storage System	PM_{10}	Yes	131BF101 131BF102	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	279	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
132	Additive Storage System	PM_{10}	Yes	132BF101	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	96	No	See Table D-2	No	CAM does not apply per 40 CFR 64.2 as the pre-control potential emissions are below the major source threshold of 100 tpy for PM_{10}.
231	Fuel & Additive Transfer & Storage System	PM_{10}	Yes	231BF140 231BF160 231BF180	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	434	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
311	Raw Mill Dosing System	PM_{10}	Yes	311BF110 311BF101 311BF111 311BF103	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	1,108	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
321	Raw Grinding System	PM_{10}	Yes	321BF101 321BF102 321BF103 321BF104	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	1,181	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
341	Kiln Feed Storage System	PM_{10}	Yes	341BF101 341BF102 341BF103 341BF104	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	935	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
351	Kiln Feed System	PM_{10}	Yes	351BF101 351BF102 351BF510	0.01 gr/scf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	357	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
411	Hydrated Lime, Activated Carbon, And Shuttling System	PM_{10}	Yes	411BF201 411BF301 341BF301	0.01 gr/scf (411BF201) 0.008 gr/dscf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	157	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
331, 421, 431, and 441	Preheater, Kiln & Cooler System	PM_{10}	Yes	331BF101 441BF101 441BF550	Kiln Exhaust: 0.106 lb/ton clinker 636 lb/day Clinker Cooler Exhaust: 0.084 lb/ton clinker 504 lb/day	Rule 1303	Yes	Not necessary to evaluate. The unit is subject to a continuous compliance determination method under the current FOP.				No	CAM does not apply per 40 CFR 64.2(b)(vi) as the unit is subject to a continuous compliance determination method under the current FOP.
		NO_X	No	N/A	N/A	N/A	Yes	N/A					N/A
		SO_X	No	N/A	N/A	N/A	Yes						
		CO	No	N/A	N/A	N/A	Yes						
		VOC	No	N/A	N/A	N/A	Yes						
461	Coal Grinding System	PM_{10}	Yes	461BF610 461BF030 461BF400	0.01 gr/dscf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	1,677	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
511	Clinker Storage & Transfer System	PM_{10}	Yes	511BF061 511BF101 511BF102 511BF103 511BF104 511BF105 511BF106 511BF107 511BF108 511BF051 511BF054	0.01 gr/dscf 0.008 gr/dscf (511BF108) 0.003 gr/dscf (511BF051)	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	1,782	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.

Table D-1. CalPortland Oro Grande Detailed CAM Applicability Analysis

Process Group	Description	Pollutant	Control Device Used?	Control Device #	Federally Enforceable Emission Limit or Standard	Reference	Continuous Compliance Determination Method?	Is Limit or Standard post 11/15/90?	Uncontrolled Potential to Emit (PTE)			Subject to CAM?	
									PTE (tpy)	Above Major Source Threshold?	Reference	Yes/No	Reason
521 & 471	Finish Mill Dosing System	PM_{10}	Yes	521BF101 471BF201 471BF202	0.01 gr/dscf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	602	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
531	Finish Mill System	PM_{10}	Yes	531BF102 531BF103 531BF104 531BF300 531BF200	0.01 gr/dscf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	6,861	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
470 & 550	Finish Mill No. 2 Additive Conveying & Storage And Feed Bins	PM_{10}	Yes	472BF101 551BF101 551BF102 551BF103 551BF104 571BF101 571BF102 571BF103 571BF104 571BF200 571BF300	0.003 gr/dscf	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	7,306	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
611	Cement Storage	PM_{10}	Yes	611BF050 611BF060 611BF070 611BF015 611BF016 611BF017 611BF209 611BF600 611BF610 611BF040 611BF041	**0.005 gr/dscf** 611BF041 **0.01 gr/dscf** 611BF040 611BF050 611BF060 611BF070 611BF600 611BF610 **0.1 gr/dscf** 611BF015 611BF016 611BF017 611BF209	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	3,432	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.
621	Cement Loadout System	PM_{11}	Yes	621BF245 621BF270 621BF345 621BF370 611BF001 611BF002 621BF208 621BF003 621BF007 621BF008 621BF009 621BF010 621BF145 621BF170 621BF171 621BF470 621BF471 611BF202 613BF301 613BF302 661BF726 661BF751 661BF761 661BF851 661BF861	**0.005 gr/dscf** 613BF301 613BF302 661BF726 661BF751 661BF761 661BF851 661BF861 **0.01 gr/dscf** 621BF170 621BF171 621BF470 621BF471 621BF145 621BF245 621BF270 621BF345 621BF370 611BF202 621BF208 **0.08 gr/dscf** 621BF010 **0.09 gr/dscf** 611BF001 **0.1 gr/dscf** 611BF002 621BF003 621BF007 621BF008	Rule 1303	None	Adopted 7/21/80 Amended 9/24/01	3,654	Yes	See Table D-2	Yes	CAM applies per 40 CFR 64.2 as the pre-control potential emissions are greater than the major source threshold of 100 tpy for PM_{10}.

Table D-1. CalPortland Oro Grande Detailed CAM Applicability Analysis

Process Group	Description	Pollutant	Control Device Used?	Control Device #	Federally Enforceable Emission Limit or Standard	Reference	Continuous Compliance Determination Method?	Is Limit or Standard post 11/15/90?	Uncontrolled Potential to Emit (PTE)			Subject to CAM?	
									PTE (tpy)	Above Major Source Threshold?	Reference	Yes/No	Reason
Miscellaneous Equipment 145	Gasoline Dispensing Facility	N/A	Yes	Vapor Recovery System	No federally enforceable emission limit applies	N/A	N/A	N/A	N/A	N/A	N/A	No	CAM does not apply per 40 CFR 64.2(a)(1) and (a)(2) as the unit is not subject to an emission limit or standard for which a control device is used to achieve compliance.
Miscellaneous Equipment 146	Diesel IC Engine, Emergency Generator #E009742	PM	No	CombiKat CBS Particulate Trap	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	CAM does not apply per 40 CFR 64.2(a)(1) and (a)(2) as the unit is not subject to an emission limit or standard for which a control device is used to achieve compliance.
		SO_2	No										
		NO_2	No										
		VOC	No										
		CO	No										
Miscellaneous Equipment 147	Diesel IC Engine, Emergency Fire Pump #E009750	PM	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	CAM does not apply per 40 CFR 64.2(a)(2) as a control device is not installed on the unit.
		SO_2	No										
		NO_2	No										
		VOC	No										
		CO	No										

Table D-2. CAM Uncontrolled Emission Calculations

Process Group	Description	Control Device	Pollutant	Flow Rate[1] (acfm)	Temperature[1] (Fahrenheit)	Temperature[2] (Rankine)	Flow Rate[3] (dscfm)	Grain Loading[1] (gr/dscf)	Controlled Emissions[4] (lb/hr)	Controlled Emissions[5] (tpy)	Uncontrolled Emissions[6] (tpy)	Unit Total Uncontrolled Emissions (tpy)	Above Major Source Threshold?
110	Primary Crushing System	110BF101	PM_{10}	14,000	90.00	549.67	11,544	0.01	0.99	4.33	433.40	433	Yes
121	Secondary Crushing System	121BF101	PM_{10}	22,000	90.00	549.67	18,141	0.01	1.55	6.81	681.06	1,491	Yes
		121BF102		22,000	90.00	549.67	18,141	0.01	1.55	6.81	681.06		
		121BF103		4,000	70.00	529.67	3,423	0.01	0.29	1.29	128.50		
131	Limestone Storage System	131BF101	PM_{10}	6,500	70.00	529.67	5,562	0.01	0.48	2.09	208.82	279	Yes
		131BF102		2,200	70.00	529.67	1,883	0.01	0.16	0.71	70.68		
132	Additive Storage System	132BF101	PM_{10}	3,000	70.00	529.67	2,567	0.01	0.22	0.96	96.38	96	No
231	Fuel & Additive Transfer & Storage System	231BF140	PM_{10}	4,500	70.00	529.67	3,851	0.01	0.33	1.45	144.57	434	Yes
		231BF160		4,500	70.00	529.67	3,851	0.01	0.33	1.45	144.57		
		231BF180		4,500	70.00	529.67	3,851	0.01	0.33	1.45	144.57		
311	Raw Mill Dosing System	311BF110	PM_{10}	10,000	70.00	529.67	8,557	0.01	0.73	3.21	321.26	1,108	Yes
		311BF101		10,000	70.00	529.67	8,557	0.01	0.73	3.21	321.26		
		311BF111		6,500	70.00	529.67	5,562	0.01	0.48	2.09	208.82		
		311BF103		8,000	70.00	529.67	6,846	0.01	0.59	2.57	257.01		
321	Raw Grinding System	321BF101	PM_{10}	25,000	190	649.67	17,442	0.01	1.49	6.55	654.81	1,181	Yes
		321BF102		16,000	190	649.67	11,163	0.01	0.96	4.19	419.08		
		321BF103		1,500	194	653.67	1,040	0.01	0.09	0.39	39.05		
		321BF104		2,600	194	653.67	1,803	0.01	0.15	0.68	67.68		
341	Kiln Feed Storage System	341BF101	PM_{10}	5,800	265	724.67	3,628	0.01	0.31	1.36	136.19	935	Yes
		341BF102		5,000	265	724.67	3,127	0.01	0.27	1.17	117.41		
		341BF103		24,000	265	724.67	15,011	0.01	1.29	5.64	563.55		
		341BF104		5,000	265	724.67	3,127	0.01	0.27	1.17	117.41		
351	Additive System	351BF101	PM_{10}	1,500	212	671.67	1,012	0.01	0.09	0.38	38.00	357	Yes
		351BF102		5,000	212	671.67	3,374	0.01	0.29	1.27	126.67		
		351BF510		6,000	70	529.67	5,134	0.01	0.44	1.93	192.76		
411	Hydrated Lime, Activated Carbon, And Shuttling	411BF201	PM_{10}	1,500	70	529.67	1,284	0.01	0.11	0.48	48.19	157	Yes
		411BF301		1,000	130	589.67	769	0.008	0.05	0.23	28.86		
		341BF301		3,000	180	639.67	2,126	0.008	0.15	0.64	79.81		
461	Coal Grinding System	461BF610	PM_{10}	800	167	626.67	579	0.01	0.05	0.22	21.72	1,677	Yes
		461BF030		8,000	110	569.67	6,365	0.01	0.55	2.39	238.96		
		461BF400		52,150	167	626.67	37,718	0.01	3.23	14.16	1,416.06		
511	Clinker Storage & Transfer System	511BF061	PM_{10}	4,000	110	569.67	3,183	0.01	0.27	1.19	119.48	1,782	Yes
		511BF101		8,000	300	759.67	4,773	0.01	0.41	1.79	179.20		
		511BF102		21,500	220	679.67	14,338	0.01	1.23	5.38	538.28		
		511BF103		8,000	300	759.67	4,773	0.01	0.41	1.79	179.20		
		511BF104		6,000	300	759.67	3,580	0.01	0.31	1.34	134.40		
		511BF105		6,000	300	759.67	3,580	0.01	0.31	1.34	134.40		
		511BF106		7,000	300	759.67	4,176	0.01	0.36	1.57	156.80		
		511BF107		4,000	300	759.67	2,387	0.01	0.20	0.90	89.60		
		511BF108		3,000	180	639.67	2,126	0.008	0.15	0.64	79.81		
		511BF051		4,002	400	859.67	2,110	0.003	0.05	0.24	79.22		
		511BF054		3,130	120	579.67	2,447	0.01	0.21	0.92	91.88		
521 & 471	Finish Mill Dosing System	521BF101	PM_{10}	8,000	220	679.67	5,335	0.01	0.46	2.00	200.29	602	Yes
		471BF201		4,000	70	529.67	3,423	0.01	0.29	1.29	128.50		
		471BF202		8,500	70	529.67	7,274	0.01	0.62	2.73	273.07		
531	Finish Mill System	531BF102	PM_{10}	2,000	220	679.67	1,334	0.01	0.11	0.50	50.07	6,861	Yes
		531BF103		3,000	212	671.67	2,024	0.01	0.17	0.76	76.00		
		531BF104		2,300	212	671.67	1,552	0.01	0.13	0.58	58.27		
		531BF300		55,000	210	669.67	37,225	0.01	3.19	13.98	1,397.55		
		531BF200		200,000	185	644.67	140,615	0.01	12.05	52.79	5,279.07		
470 & 550	Finish Mill No. 2 Additive Conveying & Storage And Feed Bins	472BF101	PM_{10}	1,000	60	519.67	872	0.003	0.02	0.10	32.74	7,306	Yes
		551BF101		4,002	400	859.67	2,110	0.003	0.05	0.24	79.22		
		551BF102		4,002	400	859.67	2,110	0.003	0.05	0.24	79.22		
		551BF103		4,002	400	859.67	2,110	0.003	0.05	0.24	79.22		
		551BF104		4,002	400	859.67	2,110	0.003	0.05	0.24	79.22		
		571BF101		4,002	275	734.67	2,469	0.003	0.06	0.28	92.69		
		571BF102		4,002	275	734.67	2,469	0.003	0.06	0.28	92.69		
		571BF103		3,002	275	734.67	1,852	0.003	0.05	0.21	69.53		
		571BF104		3,002	275	734.67	1,852	0.003	0.05	0.21	69.53		
		571BF200		200,000	190	649.67	139,532	0.003	3.59	15.72	5,238.44		
		571BF300		55,000	212	671.67	37,115	0.003	0.95	4.18	1,393.39		
611	Cement Storage	611BF050	PM_{10}	8,600	200	659.67	5,909	0.01	0.51	2.22	221.84	3,432	Yes
		611BF060		8,600	200	659.67	5,909	0.01	0.51	2.22	221.84		
		611BF070		8,600	200	659.67	5,909	0.01	0.51	2.22	221.84		
		611BF015		7,875	135	594.67	6,002	0.1	5.14	22.53	225.34		
		611BF016		5,616	150	609.67	4,175	0.1	3.58	15.67	156.75		
		611BF017		7,875	135	594.67	6,002	0.1	5.14	22.53	225.34		
		611BF209		5,300	135	594.67	4,040	0.1	3.46	15.17	151.66		
		611BF600		35,000	135	594.67	26,677	0.01	2.29	10.02	1,001.51		
		611BF610		8,000	135	594.67	6,097	0.01	0.52	2.29	228.92		
		611BF040		10,000	135	594.67	7,622	0.01	0.65	2.86	286.15		
		611BF041		15,000	60	519.67	13,083	0.005	0.56	2.46	491.17		

Table D-2. CAM Uncontrolled Emission Calculations

Process Group	Description	Control Device	Pollutant	Flow Rate[1] (acfm)	Temperature[1] (Fahrenheit)	Temperature[2] (Rankine)	Flow Rate[3] (dscfm)	Grain Loading[1] (gr/dscf)	Controlled Emissions[4] (lb/hr)	Controlled Emissions[5] (tpy)	Uncontrolled Emissions[6] (tpy)	Unit Total Uncontrolled Emissions (tpy)	Above Major Source Threshold?
621	Cement Loadout System	621BF245	PM_{10}	10,000	135	594.67	7,622	0.01	0.65	2.86	286.15	3,654	Yes
		621BF270		2,000	110	569.67	1,591	0.01	0.14	0.60	59.74		
		621BF345		10,000	135	594.67	7,622	0.01	0.65	2.86	286.15		
		621BF370		2,000	110	569.67	1,591	0.01	0.14	0.60	59.74		
		611BF001		9,600	135	594.67	7,317	0.09	5.64	24.72	274.70		
		611BF002		5,000	135	594.67	3,811	0.1	3.27	14.31	143.07		
		621BF208		4,200	135	594.67	3,201	0.01	0.27	1.20	120.18		
		621BF003		2,880	135	594.67	2,195	0.1	1.88	8.24	82.41		
		621BF007		6,790	135	594.67	5,175	0.1	4.44	19.43	194.29		
		621BF008		6,790	135	594.67	5,175	0.1	4.44	19.43	194.29		
		621BF009		6,790	135	594.67	5,175	0.1	4.44	19.43	194.29		
		621BF010		11,200	120	579.67	8,757	0.08	6.01	26.30	328.78		
		621BF145		10,000	110	569.67	7,956	0.01	0.68	2.99	298.70		
		621BF170		2,000	135	594.67	1,524	0.01	0.13	0.57	57.23		
		621BF171		2,000	135	594.67	1,524	0.01	0.13	0.57	57.23		
		621BF470		2,000	135	594.67	1,524	0.01	0.13	0.57	57.23		
		621BF471		2,000	135	594.67	1,524	0.01	0.13	0.57	57.23		
		611BF202		1,650	135	594.67	1,258	0.01	0.11	0.47	47.21		
		613BF301		3,000	60	519.67	2,617	0.005	0.11	0.49	98.23		
		613BF302		3,000	60	519.67	2,617	0.005	0.11	0.49	98.23		
		661BF726		10,000	180	639.67	7,086	0.005	0.30	1.33	266.02		
		661BF751		3,000	60	519.67	2,617	0.005	0.11	0.49	98.23		
		661BF761		3,000	60	519.67	2,617	0.005	0.11	0.49	98.23		
		661BF851		3,000	60	519.67	2,617	0.005	0.11	0.49	98.23		
		661BF861		3,000	60	519.67	2,617	0.005	0.11	0.49	98.23		

1. Baghouse Flow Rate (acfm), Temperature (Fahrenheit), and Grain Loading (gr/dscf) per FOP 223900003.
2. Temperature (Rankine) = Temperature (Fahrenheit) + 459.67
3. Flow Rate (dscfm) = Flow Rate (acfm) x Standard Temperature (Rankine) / Actual Temperature (Rankine) x Actual Pressure (psia) / Standard Pressure (psia) x (1-Moisture Percent/100)
4. Controlled Emissions (lb/hr) = Flow Rate (dscfm) x Maximum Outlet Grain Loading (gr/dscfm) / 7,000 (gr/lb) x 60 (min/hr).
5. Controlled Emissions (tpy) = Controlled Emissions (lb/hr) x 8,760 (hours/yr) / 2,000 (lbs/ton)
6. Uncontrolled Emissions (tpy) = Controlled Emissions (tpy) / (1-Control Efficiency)

Table D-3. Standard Conditions and Unit Conversions

Standard Conditions and Constants					Unit Conversions					
Moisture Content Ambient Air (%)	Standard Pressure (inHg)	Site-specific Pressure (inHg)	Standard Temperature (Rankine)	Operating Hours (hours/yr)	0°F in Rankine	gr/lb	min/hr	lb/kg	g/lb	mg/g
2.7	29.92	26.82	519.67	8760	459.67	7,000	60	2.2	453.592	1,000

Table D-4. Baghouse Control Efficiency[1]

Grain Loading	Control Efficiency
0.003	99.70%
0.005	99.50%
0.008	99.20%
0.01	99%
0.08	92%
0.09	91%
0.1	90%

1. Baghouse Control Efficiency (%) is assumed to equal (100 - (Grain Loading x 100))/100

APPENDIX E. CAL E-GGRT SUMMARY REPORT

Facility Name:
CalPortland Company, Oro Grande Plant

Facility ARB ID: 100013
Facility Reporting Year: 2019

Confidential Data Indication Set to "Yes" by Reporter

Confidential Data and Other Comments:

CalPortland Company claims confidential data regarding production data and fuel use data. Having this data made public would give our competitors an insight into product costs and facility operations.

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Representatives

Designated Representative:	Desirea Haggard
Agent:	Catalina Fernandez-Moores

Facility Location

Physical Address:	19409 National Trails Highway
City:	Oro Grande
State / Province:	CA
ZIP / Postal Code:	92368
Country:	USA
Latitude:	34.60328
Longitude:	-117.3395
County:	SAN BERNARDINO
Air Basin:	MOJAVE DESERT
District:	MOJAVE DESERT AQMD
Mailing Address:	2025 E. Financial Way
City:	Glendora
State / Province:	CA
ZIP / Postal Code:	91741
Country:	USA

Payment Information (required if subject to AB 32 Cost of Implementation Fee Regulation)

Responsible Party for Payment:	Desirea Haggard
Responsible Party Email:	dhaggard@calportland.com
Responsible Party Phone:	626-691-1966
Billing Address:	2025 E. Financial Way
City:	Glendora
State / Province:	CA
ZIP / Postal Code:	91741
Country:	USA

Owners / Operators

Name:	CalPortland Company

Facility or Entity Total GHG Emissions Summary

CO2 equivalent emissions, excluding biogenic (subparts C – AA):	1,250,871.80082 Metric Tons
Exempt biogenic CO2 emissions (subparts C – AA):	0 Metric Tons
CO2 equivalent emissions from fuel supplier categories, excluding biogenic (subparts MM – NN):	0 Metric Tons
Exempt biogenic CO2 emissions from fuel supplier categories (subparts MM – NN):	0 Metric Tons
CO2 emissions from CO2 Suppliers (excluding biogenic) (subpart PP):	0 Metric Tons
Exempt biogenic CO2 emissions from CO2 Suppliers (subpart PP):	0 Metric Tons
CO2 equivalent emissions from electric power entities:	0 Metric Tons
Covered CO2 equivalent emissions:	**1,250,871.80082 Metric Tons**
De Minimis CO2 equivalent emissions:	3,897.70082 Metric Tons
Maximum allowable De Minimis emissions:	20,000 Metric Tons

General Facility Reporting Information

NAICS Codes

Primary:	327310 (Cement Manufacturing)
Second Primary:	
Additional:	

U.S. Parent Companies

Parent Company Name:	Taiheyo Cement USA Inc.
Address:	2025 E. Financial Way, Glendora, CA 91741
Percentage of Ownership Interest:	100%

GHG Report Start Date:	2019-01-01
GHG Report End Date:	2019-12-31
Explanation of any calculation methodology changes during the reporting year:	

EPA e-GGRT Facility IDs

526600

Full or Abbreviated GHG Report:	Full
Company or Entity qualifies for Small Business Status:	No

Electricity Purchases/Acquisitions for Reporting Facilities (95104(d))

Electricity Provider's Name:	Southern California Edison (SCE)
Provider's ARB ID:	3005
Purchases/Acquisitions:	218,198 MWh

Natural Gas Purchases/Acquisitions for Reporting Facilities [95115(k), 95103(a)(1)]

Natural Gas Supplier Name:
Pacific Gas and Electric Company (PG&E) - Supplier of Natural Gas

Supplier's ARB ID:	104024
Customer Number:	7293443625-3
Purchases/Acquisitions:	97,893.25 MMBtu
Was this natural gas received directly from an interstate pipeline?	No
Do you grant CARB staff permission to share confidential annual natural gas fuel purchase data with your identified natural gas fuel supplier?	No

Natural Gas Supplier Name:	Southwest Gas Corporation
Supplier's ARB ID:	
Customer Number:	121-0317933-020
Purchases/Acquisitions:	1,456.9 MMBtu
Was this natural gas received directly from an interstate pipeline?	No
Do you grant CARB staff permission to share confidential annual natural gas fuel purchase data with your identified natural gas fuel supplier?	No

Natural Gas Supplier Name:	Southwest Gas Corporation
Supplier's ARB ID:	
Customer Number:	121-0317948-020
Purchases/Acquisitions:	3,641.5 MMBtu
Was this natural gas received directly from an interstate pipeline?	No
Do you grant CARB staff permission to share confidential annual natural gas fuel purchase data with your identified natural gas fuel supplier?	No

Cap-and-Trade Facilities: Increases and Decreases in Facility Emissions [95104(f)]:

For facilities subject to Cap-and-Trade requirements: Have total facility emissions increased or decreased more than 5% in relation to the previous data year? [Not applicable for fuel suppliers, CO2 suppliers, electric power entities, and abbreviated reporters.]	Yes

Provide a brief narrative description of what caused the increase or decrease in emissions. Include in this description any changes in your air permit status.

Increase in clinker production due to new/additional finish mill capacity.

Note: This section is not subject to the third-party verification requirements

Electricity Generation

Facility has the capacity to generate electricity:	No

Reported emissions include emissions from a cogeneration/bigeneration unit: No

Parasitic Steam Use: Generated thermal energy used for supporting power production (excluding steam used directly for generating electricity) [95112(a)(5)(B)]:

Generated thermal energy for on-site industrial applications not related to electricity generation [95112(a)(5)(C)]:

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	**Gas Quantity** (Metric Tons)
Methane	0.005098
Exempt Biogenic Carbon dioxide	0
Nitrous Oxide	0.00051
Carbon Dioxide	270.317168
Total CO2e	270.582285

Total Covered CO2e Emissions: 270.582285 (Metric Tons)

Emissions shown above that are claimed as De Minimis (CO2e): 270.582285 Metric Tons

Unit Details

Unit Name: GP-Office Heating
Configuration Type: Aggregation of Units
Unit Type: OCS (Other combustion source)
Unit Description:
Office and Garage heating. Personnel/employee comfort natural gas usage

Small Unit Aggregation Details

Highest Maximum Rated Heat Input Capacity: 0.4 mmBtu/hr
Type of Emission Unit for this Group [Note: EGU/EGS must always be separated from other unit types]: Other (none of the above)

Electricity Generation Unit Information

Does this configuration have the capacity to generate electricity? No

Emission Details: Configuration-Level Summary (User entered values)

Total exempt annual biogenic CO2 mass emissions (must equal the sum of calculated annual exempt biogenic CO2) (metric tons): 0

Annual CO2 emissions from sorbent (metric tons): 0

Fuel-Specific Emissions Information

Fuel: **Natural Gas - Natural Gas**

Calculation Methodology:
Tier 1 (Equation C-1a, natural gas billing in therms)

Methodology Start Date: 2013-01-01

Methodology End Date: 2019-12-31

Percentage of Fuel that is Biogenic: 0%

Fuel Emission Details

Total CO2 emissions: 270.317168
Metric Tons (Claimed as de minimis)

Total CH4 emissions: 0.005098
Metric Tons (Claimed as de minimis)

Total N2O emissions: 0.00051
Metric Tons (Claimed as de minimis)

Total CH4 emissions CO2e: 0.107066
Metric Tons (Claimed as de minimis)

Total N2O emissions CO2e: 0.15805
Metric Tons (Claimed as de minimis)

Equation Inputs

Annual Natural Gas Usage: 50,984 therms

Fuel Specific CO2 Emissions Factor: 53.02 kg CO2/MMBtu

Fuel Specific CH4 Emissions Factor: 0.001 kg CH4/MMBtu

Fuel Specific N2O Emissions Factor: 0.0001 kg N2O/MMBtu

Subpart H: Cement Production

Gas Information Details

Gas Name	**Gas Quantity** (Metric Tons)
Methane	54.901619
Exempt Biogenic Carbon dioxide	0
Nitrous Oxide	7.98124
Carbon Dioxide	1,246,974.1
Total CO2e	1,250,601.218535

Total Covered CO2e Emissions: 1,250,601.218535 (Metric Tons)

Emissions shown above that are claimed as De Minimis (CO2e): 3,627.118535 Metric Tons

Summary Information for the facility:

Annual CO2 process emissions from cement manufacturing (for kilns not monitored by CEMS):

Total Number Of Kilns

Number Of Kilns: 1

Number Of Operating Kilns: 1

Annual Production and Consumption Quantities

Annual Cement production for the facility: 1,751,317 Short Tons

Annual Clinker production for the facility (covered product data):	1,571,926 Short Tons
Annual Clinker consumed by the facility (covered product data):	1,548,098 Short Tons
Annual Limestone consumed for blending (covered product data):	95,448 Short Tons
Annual Gypsum consumed for blending (covered product data):	108,009 Short Tons

Cement Substitute #1

Annual Cement substitute consumed by the facility:	941 Short Tons
Cement substitute type:	Grind Aid

Cement Substitute #2

Annual Cement substitute consumed by the facility:	
Cement substitute type:	

Cement Substitute #3

Annual Cement substitute consumed by the facility:	
Cement substitute type:	

Additional Cement Substitute

Total Quantity of Other Cement substitute consumed by the facility:	
Cement substitute type:	

Cement Kilns (Not monitored by CEMS)

Cement Kilns (monitored by CEMS)

Kiln Name:	Kiln
Kiln Type:	Cement Kiln
Kiln Description:	Cement Kiln-Preheater

Monthly Information

January

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	127,171 tons

February

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	89,203 tons

March

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	54,396 tons

April

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	154,969 tons

May

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	149,666 tons

June

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	130,337 tons

July

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	99,911 tons

August

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	132,140 tons

September

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	160,989 tons

October

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	158,027 tons

November

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	161,083 tons

December

A missing data procedure was used to determine the clinker production:	No
Clinker Production:	154,034 tons

CEMS Monitoring Location (CML) Details

CML Name: Kiln

Description:

Kiln Stack CEMS and 98.33(a)(4)(viii) diverted gas

Configuration Type:

Single process/process unit exhausts to dedicated stack

Tier 4 Methodology Information

Methodology Start Date:	2016-01-01
Methodology End Date:	2019-12-31

Cumulative CO2 Emissions

First Quarter:	218,123.3 metric tons
Second Quarter:	342,172.3 metric tons
Third Quarter:	329,792.6 metric tons
Fourth Quarter:	356,885.9 metric tons

Annual CO2 Emissions

Total annual CO2 measured by the CEMS:	1,246,974.1 metric tons
Total Exempt Biogenic CO2:	0 metric tons
Total annual non-biogenic CO2:	1,246,974.1 metric tons

Annual CH4 and N2O Emissions Using Equation C-10

Fuel Specific Emissions

Fuel Type:	Natural Gas
Annual Fuel Combusted:	95,755 scf
CH4 Emissions:	

0.097893 Metric Tons (Claimed as de minimis)

N2O Emissions:
0.009789 Metric Tons (Claimed as de minimis)

Total CO2e for CH4:
2.055759 Metric Tons (Claimed as de minimis)

Total CO2e for N2O:
3.034692 Metric Tons (Claimed as de minimis)

Equation Inputs

Cumulative Annual Heat Input from fuel combustion:	97,893.3 mmBtu
Fuel Specific CH4 Emission Factor:	0.001 kg CH4/MMBtu
Fuel Specific N2O Emission Factor:	0.0001 kg N2O/MMBtu

Fuel Type:	Bituminous
Annual Fuel Combusted:	217,510 short tons

CH4 Emissions:
54.803726 Metric Tons (Claimed as de minimis)

N2O Emissions:
7.971451 Metric Tons (Claimed as de minimis)

Total CO2e for CH4:
1,150.878249 Metric Tons (Claimed as de minimis)

Total CO2e for N2O:
2,471.149834 Metric Tons (Claimed as de minimis)

Equation Inputs

Cumulative Annual Heat Input from fuel combustion:	4,982,156.924 mmBtu
Fuel Specific CH4 Emission Factor:	0.011 kg CH4/MMBtu
Fuel Specific N2O Emission Factor:	0.0016 kg N2O/MMBtu

Additional Emissions Information

Total source operating hours in the reporting year:	6846 hours
Total Operating hours in which a substitute data value was used in the emissions calculations for CO2 concentration:	7 hours
Total Operating hours in which a substitute data value was used in the emissions calculations for stack gas flow rate:	1 hours
Total Operating hours in which a substitute data value was used in the emissions calculations for stack gas moisture content:	4 hours

Process Units

Unit Name: Kiln

Time And Date Report Generated: 03/23/2020 09:12