Trinity ES&C

17410 East Lockwood Valley Road • Frazier Park, California • 93225 • 661.245.3736

June 16, 2016

Mr. Dan Searcy, Manager
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, California 93003

LW FP LLC DBA Trinity Frazier Park
APCD Permit to Operate No. 00036
RE: Annual Emission Compliance Certification

Dear Sirs:

LW FP LLC Trinity Frazier Park Plant is enclosing the annual compliance certification report.

If you have any further questions please contact Michael Ragsdale at 214-417-1905.

Sincerely,

Cory Danner
VP of Operations, Trinity Construction Materials, Inc.
LW FP LLC/Trinity-Frazier Park

Enclosure

Cc: Mr. Gerardo Rios, Chief-w/enc
Permits Office (AIR-3)
Office of Air Division
EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
SIGNATURE COVER FORM

A copy of each Annual Compliance Certification shall be submitted to EPA, Region 9, at the following address:

Mr. Gerardo Rios, Chief
Permits Office (AIR-3)
Office of Air Division
EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105

Confidentiality

All information in a Part 70 permit compliance certification is public information. The Part 70 permit is also public information.

Certification by Responsible Official

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

Signature and Title of Responsible Official:	Date:
	6/16/16
Title: VP Operations	

Time Period Covered by Compliance Certification

04 / 01 /15 (MM/DD/YY) to **03 /31 /16** (MM/DD/YY)

Ventura County
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PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO, 08.31.83	D. Frequency of monitoring: Annual certification; As requested by VCAPCD
B. Description: Standards of performance for Nonmetallic Mineral Processing Facilities for equipment installed after August 31, 1983 and before April 22, 2008	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: None requested in addition to required compliance testing; EPA Methods 5, 17, 9 or 22
C. Method of monitoring: Source tests and opacity readings upon request of VCAPCD. EPA Methods 5, 17, 9, and 22. Annual compliance certification	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO, 04.22.08	D. Frequency of monitoring: Annual certification; Annual stack test; As requested by VCAPCD; Monthly water spray inspection; Routine periodic visible emission monitoring
B. Description: Standards of performance for Nonmetallic Mineral Processing Facilities for equipment installed after April 22, 2008	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: None requested in addition to required compliance testing; Annual RATA; EPA Methods 5, 17, 9 or 22
C. Method of monitoring: Source tests and opacity readings upon request of VCAPCD; EPA Methods 5, 17, 9, and 22; Annual compliance certification; Routine periodic visible emission monitoring; Monthly water spray inspection	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC1 Condition No. 1	D. Frequency of monitoring: Monthly records of throughput and consumption; Attached in Appendix A and B, as applicable
B. Description: Rule 26: General Recordkeeping	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Not Applicable
C. Method of monitoring: Submittal of Annual Compliance Certification; Monthly records of throughput and consumption	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC1 Condition No. 2	D. Frequency of monitoring: Annual compliance statement; Recordkeeping of non-exempt solvent usage - Not applicable this reporting period
B. Description: Rule 29: Solvent Recordkeeping	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Not applicable
C. Method of monitoring: Records of solvent purchases and usage, as applicable to VCAPCD rules. Solvent used for facility maintenance and repair exempt (Rule 23.F. 7-not including use by contractors). Non-refillable aerosol <2% organic solvents exempt. Solvents used by facility are exempt by Rule 23.F.7 and Rule 23.F.10.a, and b. Facility uses only non-volatile (<2% organic) citrus oil based cleaning agents and non refillable aerosol cleaning products.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC2 Condition No. 1	D. Frequency of monitoring: Consumption data and calculations attached in Appendix B
B. Description: Rule 26: Annual Natural Gas Consumption Limits for Kiln Nos. 3 and 4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Not applicable
C. Method of monitoring: Daily and monthly records of natural gas consumption; Twelve month rolling records of natural gas consumption; Annual compliance certification, including natural gas consumption records.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC2 Condition Nos. 2 through 7	D. Frequency of monitoring: Continuous Emission Monitoring; Annual Relative Accuracy Test
B. Description: Rules 26, 68, and 103: NOx and CO Emission Limits for Kiln Nos. 3 and 4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Annual RATA: ARB Method 100 and ARB Method 2
C. Method of monitoring: Annual compliance certification; Continuous Emission Monitoring (CEM) for NOx and CO; Relative Accuracy (RA) test for CEM every twelve (12) months	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): I H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC3 Condition Nos. 1 through 7	D. Frequency of monitoring: Daily, weekly, monthly, quarterly, and annual
B. Description: Rules 26, 50, 52, and 53: PM Emission Requirements for Kiln Nos. 3 and 4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: EPA Method 9; CARB Method 5
C. Method of monitoring: Daily and monthly records of the amount of aggregate processed (on a dry basis) for each kiln; Daily, weekly, and quarterly baghouse inspections; PM source test every twelve (12) months; Annual compliance certification, including aggregate processing records	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 Condition No. 8	D. Frequency of monitoring: Daily, semi-annual and annual (see attached source test form)
B. Description: 40 CFR Part 64: Compliance Assurance Monitoring (CAM)	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: CARB Method 5
C. Method of monitoring: Recordkeeping logs for daily inspections, visible emission observations, baghouse pressure drop and baghouse temperatures. Installation of baghouse leak detector with semi-annual inspections. Annual CARB Method 5 testing, and EPA Method 9 as needed.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 Condition 9	D. Frequency of monitoring: Monthly report to VCAPCD
B. Description: Monthly report submittal of clay processed, bag leak detection system data, and baghouse temperature	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Monthly report to VCAPCD	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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A. Attachment # or Permit Condition #: PO00036PC4	D. Frequency of monitoring: Recordkeeping and Annual Compliance Statement
B. Description: Rule 26: Standby Material Handling Equipment	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Records demonstrating compliance Annual compliance certification	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC5 Condition Nos. 1, 2, 3, 5, and 6	D. Frequency of monitoring: Monthly and twelve (12) month rolling records; See Appendix C for Fuel Delivery Data
B. Description: Rule 26: Extrusion Process Using Diesel Fuel No. 2 or Biodiesel Additive	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Monthly and twelve (12) month rolling records of Diesel Fuel No. 2 and Biodiesel added in extrusion process; Supplier's certification of sulfur content, or test per each delivery; Supplier's certification of ASTM standard for Biodiesel; Annual compliance certification	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC5 Condition No. 4	D. Frequency of monitoring: Monthly report to VCAPCD
B. Description: Monthly report submittal of amount, date, and supplier of diesel fuel deliveries	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Monthly report to VCAPCD	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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A. Attachment # or Permit Condition #: PO00036PC6	D. Frequency of monitoring:
B. Description: Rule 26: Material Handling Requirements; Finished Product moisture content shall be maintained at greater than or equal to 3% moisture by weight	Quarterly and annual; See Appendix D for quarterly moisture content tests
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: Quarterly moisture content tests from belts #25 and #26 using ASTM Test Method C 566; Annual compliance certification, with results of above moisture tests	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC7	D. Frequency of monitoring:
B. Description: Rule 26 and 40 CFR Part 60 Subpart OOO: Water Spray and Fugitive Emission Requirements	Every two weeks, quarterly, and annual; See Appendix E for Quarterly Method 9 records; See Appendix F for Water Spray logs
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: Inspect water spray equipment every two weeks; Annual compliance certification, including a formal survey of all transfer points using EPA Method 9 and records of water spray equipment inspections; Opacity readings upon request; Notification required for uncorrectable visible emissions	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC8	D. Frequency of monitoring:
B. Description: Rules 26, 50, 52, and 53: Particulate Matter Emission Requirements for the Finished End Baghouse	Daily, weekly, quarterly, and annual; See attached Source Test Form; See Appendix E for baghouse inspection recordkeeping
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 5
C. Method of monitoring: Annual compliance certification; Daily, weekly, and quarterly baghouse inspections; PM source test every twelve (12) months	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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A. Attachment # or Permit Condition #: PO00036PC9 Condition Nos. 1, 2, 3, 4, 6, 8, 9, 10, 11	D. Frequency of monitoring: Annual RATA and source testing. Hourly CEM emission recordkeeping and lime usage.
B. Description: Rules 26, 54, and 103: SOx limits in terms of tons per year, pounds per hour, and ppmv as measured by CEM, lime injection required	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: See Attached Source Test Form Annual RATA
C. Method of monitoring: Direct monitoring of SOx emissions (ppmv and lb/hr) with CEM; RA test for CEM system every twelve (12) months; Annual compliance certification; Records of lime injection rate; Annual compliance certification	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): I H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC9 Condition Nos. 5 and 7	D. Frequency of monitoring: Monthly lime reports and continuous CEM data provided to VCAPCD
B. Description: Monthly lime use report and CEM system SOx real time access	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Maintain records of the amount and date of lime deliveries; Provide the VCAPCD with real time access by modem to SOx CEM system	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC10	D. Frequency of monitoring: Daily, weekly, quarterly, and annual
B. Description: Rules 26, 50, 52, and 53: Particulate Matter Emission Requirements for the Raw Material Baghouse	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: CARB Method 5
C. Method of monitoring: Annual compliance certification; Daily, weekly, and quarterly baghouse inspections PM source test every twelve (12) months	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC11	D. Frequency of monitoring:
B. Description: Rule 26 and 40 CFR Part 60 Subpart OOO	Periodic (at least every six months) moisture content testing; Annual compliance certification
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Moisture content measurements every six months or annually; Initial Method 9 source test; Annual compliance certification	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 50	D. Frequency of monitoring:
B. Description: Rule 50: Opacity	Periodic routine surveys and inspections; Quarterly formal surveys (Appendix E) Annual compliance certification
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Opacity via EPA Method 9
C. Method of monitoring: Routine surveillance; Visual inspections; Annual compliance certification, including quarterly formal surveys; Opacity readings upon request; Notification required for uncorrectable visible emissions; Fugitive Dust Plan monitoring	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 54.B.1-36	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 54.B.1 for combustion engines other than from Kiln Nos. 3 and 4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; Sulfur dioxide concentrations reported on a dry basis, corrected to 15% exhaust gas oxygen content	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment No. 54.B.2-36	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 54.B.2-36: Sulfur compounds for combustion emissions other than from Kiln Nos. 3 and 4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; This facility is not required to maintain fuel or exhaust analysis to demonstrate compliance with Rule 54.B.2 because there are no additional process combustion emission units other than Kiln Nos. 3 and 4.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 64.B.1	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 64.B.1: Sulfur content of fuels; No fuel burned shall contain sulfur compounds in excess of 50 grams per 100 cubic feet of gaseous fuel (788 ppmv). If only PUC regulated natural gas, propane, or butane is combusted, it will be assumed that the permittee is complying with Rule 64.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; PUC-quality and only PUC-regulated natural gas is used at the plant. Therefore, no additional monitoring is required. Records of natural gas purchase (bills) are maintained.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 64.B.2	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 64.B.2: Sulfur content of fuel - liquid fuel requirements; No burning of liquid fuels with a sulfur content in excess of 0.5 percent by weight; If only ARB-quality reformulated gasoline or ARB-certified diesel fuel is combusted at the plant, it will be assumed that the permittee is complying with Rule 64 without additional monitoring requirements. Records must be maintained to substantiate the use of these fuels.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; Facility only uses ARB-certified liquid fuels and maintains records of the fuels.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment No. 74.6	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 74.6: Solvent cleaning and degreasing;	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; Maintain current solvent information; The plant uses non-ROC and aerosol can solvents exempt per Condition 11 - Only surface cleaners with non-ROCs are used; The facility maintains records showing the use of these types of solvents.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 74.11.1	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 74.11.1: Water Heaters and Boilers After December 31, 2000, the installation of any new unit with a rate heat input capacity of greater than or equal to 75,000 BTU/hr and less than or equal to 400,000 BTU/hr is prohibited unless it meets certain criteria.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; There are no water heater, boilers, steam generators, or process heaters with a rated heat input capacity of greater than 75,000 BTU/hr at the plant.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 74.22	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 74.22: Natural Gas Central Furnace; No person shall sell, offer for sale, or install in this District any natural gas-fired, fan-type central furnace with NOx (oxides of nitrogen) emissions in excess of 40 nanograms per joule of heat output; No person shall sell, offer for sale, or install in this District any natural gas-fired, fan-type central furnace unless it is certified and identified in accordance with Section C.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; Not required. Applicable to potential future installations. Exempt per Condition 3 - All current heaters were installed prior to May 31, 1994.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment No. 74.1	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 74.1: Abrasive Blasting; Routine surveillance and visual inspections and records of abrasive blasting operation	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; Visual emission evaluation-Section 92400 of CCR. Maintain abrasive blasting records. No sandblasting operations occurred at the facility during the compliance certification period.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 74.2	D. Frequency of monitoring: Annual compliance certification; Routine periodic monitoring
B. Description: Rule 74.2: Architectural Coating The VOC content of coatings shall not exceed the standards outlined in Rule 74.2.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable VOC: EPA Method 24 / CARB Method 432; Acid Content: ASTM D1613-95; Metal: SCAQMD 311-91
C. Method of monitoring: Annual compliance certification; Routine surveillance; Periodic inspection of coatings used for containers with volumes greater than one liter and excluding aerosol containers; Maintain VOC records of inspections and actions taken, including records of VOC content for non-exempt coatings; Submit information to VCAPCD upon request	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 74.29	D. Frequency of monitoring: Annual compliance certification
B. Description: Rule 74.29: Soil Decontamination Operations	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; No monitoring necessary because no soil decontamination / aeration operations took place at the plant during the compliance period.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #: 40 CFR Part 61 Subpart M	D. Frequency of monitoring: Annual compliance certification
B. Description: 40 CFR Part 61 Subpart M: Federal Emission Standard for Asbestos	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; No asbestos demolition or renovation took place during the compliance period.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment No. 55	D. Frequency of monitoring: Annual compliance certification; Routine, periodic surveys and inspections
B. Description: Rule 55: Fugitive Dust	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: Annual compliance certification; Routine, periodic surveillance and visual inspections; Monitoring, record keeping, and reporting required by Fugitive Dust Reduction Plan (FDRP). The FDRP includes the use of dust suppressant / chemical stabilizer, the use of paved area or gravel pads to minimize track-out, and the use of posted speed limits on unpaved haul roads	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #:	D. Frequency of monitoring:
B. Description:	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring:	F. Currently in Compliance? (Y or N): _____ G. Compliance Status? (C or I): _____ H. *Excursions, exceedances, or other non-compliance? (Y or N): _____ *If yes, attach Deviation Summary Form

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SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - NOx Compliance Testing (three run average)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
3.03 lb/hr	6.9 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - NOx (RATA Results - ppm, dry)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
6.55% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3-NOx (RATA Results - lb/hr)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
7.36% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - CO Compliance Testing (three run average)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
24.8 ppmv (dry)	2000 ppmv	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - CO (RATA Results - ppm - average of test)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.42% Relative Accuracy	10% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - CO (RATA Results - lb/hr)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
4.00% Relative Accuracy	10% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - PM10 Compliance Testing (three run average) - Rule 52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0214 gr/dscf	0.065 gr/dscf	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - PM10 Compliance Testing (three run average) - Rule 53			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
3.51 lb/hr	12.54 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - PM Compliance Testing (three run average) - PO00036PC3			PM
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.306 lb PM/ton process	0.2748 lb PM/ton process	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - Stack Flow (RATA Results in dscfm)			Stack Flow
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
2.59% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 Compliance Testing (three run average)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
6.32 lb/hr	7.60 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 (RATA Results - ppm, dry)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
7.41% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 (RATA Results - lb/hr)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
7.83% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 (RATA Results - ppmv, dry @ 15% O2)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
11.58% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 Compliance Testing - Rule 54.B.1.a.10 (ppmv dry @ 15% O2)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
37.4 ppmv	300 ppmv	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - O2 Compliance Testing (three run average)			O2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
15.81% dry	22.29 ppmvd	TRC Stack Test Firm Report, dated November 12, 2015	October 1, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - O2 RATA Results			O2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.22% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	October 1-2, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - NOx Compliance Testing (three run average)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
4.06 lb/hr	5.6 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - NOx (RATA Results - ppm, dry)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
3.65% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - NOx (RATA Results - lb/hr)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
9.64% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - CO Compliance Testing (three run average)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
27.9 ppm(v), dry	2000 ppmv	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - CO (RATA Results for ppm)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.31% Relative Accuracy	10% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - CO (RATA Results - lb/hr)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
3.59% Relative Accuracy	10% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - PM10 Compliance Testing (three run average) - Rule 52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0593 gr/dscf	0.2748 gr/dscf	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - PM10 Compliance Testing (three run average) - Rule 53			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
8.09 lb/hr	17.64 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - PM Compliance Testing (three run average) - PO00036PC3			PM
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.63 lb PM/ton process	0.2748 lb PM/ton process	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - Stack Flow (RATA Results - dscfm)			Stack Flow
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
5.60% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 Compliance Testing (three run average)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
3.81 lb/hr	8.20 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 (RATA Results - ppm, dry)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
13.96% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 (RATA Results - lb/hr)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
18.88% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

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A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 (RATA Results - ppmv, dry @ 15% O2)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
15.19% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 Compliance Testing - Rule 54.B.1.a.10 (ppmv dry @ 15% O2)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
20.9 ppmv	300 ppmv	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - O2 Compliance Testing (three run average)			O2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
15.55% dry	22.29 ppmvd	TRC Stack Test Firm Report, dated November 12, 2015	September 22, 2015

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - O2 (RATA Results)			O2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.27% Relative Accuracy	20% RA	TRC Stack Test Firm Report, dated November 12, 2015	September 23, 2015

A. Emission Unit Description:			B. Pollutant:
Raw Mill Baghouse - PM10 Compliance Testing (three run average - Rule 52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0045 gr/dscf	0.2000 gr/dscf	TRC Stack Test Firm Report, dated November 12, 2015	September 25, 2015

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Raw Mill Baghouse - PM10 Compliance Testing (three run average) - Rule 53			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.35 lb/hr	19.90 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	September 25, 2015

A. Emission Unit Description:			B. Pollutant:
Finished End Baghouse - PM10 Compliance Testing (three run average) - Rule 52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0033 gr/dscf	0.1699 gr/dscf	TRC Stack Test Firm Report, dated November 12, 2015	September 26, 2015

A. Emission Unit Description:			B. Pollutant:
Finished End Baghouse - PM10 Compliance Testing (three run average) - Rule 53			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.043 lb/hr	17.64 lb/hr	TRC Stack Test Firm Report, dated November 12, 2015	September 26, 2015

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:

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DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #3 - O2 Monitor	Begin: 01/24/16 @ 0800 End: 01/26/16 @ 0832 When Discovered: Date & Time 01/24/16 @ 0800
D. Parameters monitored:	E. Limit:	F. Actual:
O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #4 - O2 Monitor	Begin: 01/23/16 @ 0800 End: 01/26/16 @ 1230 When Discovered: Date & Time 01/23/16 @ 1130
D. Parameters monitored:	E. Limit:	F. Actual:
O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #4 - O2 Monitor	Begin: 05/29/15 @ 0800 End: 05/29/15 @ 1530 When Discovered: Date & Time 05/29/15 @ 0800
D. Parameters monitored:	E. Limit:	F. Actual:
O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

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DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #4 - O2 Monitor	Begin: 05/30/15 @ 0800 End: 05/30/15 @ 0915 When Discovered: Date & Time 05/30/15 @ 0800
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #4 - O2 Monitor	Begin: 05/31/15 @ 0800 End: 06/01/15 @ 0800 When Discovered: Date & Time 05/31/15 @ 0800
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9 - Condition 6	Kiln #4 - SO2 @ 15% O2 Monitor	Begin: 05/29/15 @ 0800 End: 05/29/15 @ 1530 When Discovered: Date & Time 05/29/15 @ 0800
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
SO2@15%O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9 - Condition 6	Kiln #4 - SO2 @ 15% O2 Monitor	Begin: 05/30/15 @ 0800 End: 05/30/15 @ 0915 When Discovered: Date & Time 05/30/15 @ 0800
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
SO2@15%O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9 - Condition 6	Kiln #4 - SO2 @ 15% O2 Monitor	Begin: 05/31/15 @ 0800 End: 06/01/15 @ 0800 When Discovered: Date & Time 05/31/15 @ 0800
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
SO2@15%O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition 3	Kiln #3 - CO Monitor	Begin: 05/26/15 @ 1900 End: 05/26/15 @ 2300 When Discovered: Date & Time 05/26/15 @ 1900
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
CO CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition 3	Kiln #3 - CO Monitor	Begin: 05/27/15 @ 0000 End: 05/27/15 @ 0500 When Discovered: Date & Time 05/27/15 @ 0000
D. Parameters monitored:	E. Limit:	F. Actual:
CO CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition 3	Kiln #3 - CO Monitor	Begin: 05/28/15 @ 0000 End: 05/28/15 @ 0400 When Discovered: Date & Time 05/28/15 @ 0000
D. Parameters monitored:	E. Limit:	F. Actual:
CO CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition 3	Kiln #3 - CO Monitor	Begin: 05/29/15 @ 0000 End: 05/29/15 @ 1000 When Discovered: Date & Time 05/29/15 0000
D. Parameters monitored:	E. Limit:	F. Actual:
CO CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition 3	Kiln #3 - CO Monitor	Begin: 05/30/15 @ 0200 End: 05/30/15 @ 1000 When Discovered: Date & Time 05/30/15 @ 0200
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
CO CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #4 - O2 Monitor	Begin: 06/19/15 @ 0802 End: 06/22/15 @ 1200 When Discovered: Date & Time 07/10/15 @ 1500
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #4 - SO2 @ 15% O2 Monitor	Begin: 06/19/15 @ 0802 End: 06/22/15 @ 1200 When Discovered: Date & Time 07/10/15 @ 1500
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
SO2@15%O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition 2	Kiln #4 - NOx Emissions	Begin: 08/11/15 @ 1100 End: 08/11/15 @ 1200 When Discovered: Date & Time
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
NOx (lbs/hr)	5.6 lbs/hr	6.65 lbs/hr
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See attached log.	See attached log.	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition 3	Kiln #3 - NOx Monitor	Begin: 10/10/15 @ 1150 End: 10/11/15 @ 0900 When Discovered: Date & Time 10/10/15 @ 1300
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
NOx CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See attached log.	See attached log.	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #3 - SO2 Monitor	Begin: 10/10/15 @ 1150 End: 10/11/15 @ 0900 When Discovered: Date & Time 10/10/15 @ 1300
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
SO2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See attached log.	See attached log.	

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Period Covered by Compliance Certification: 04 / 01 / 15 (MM/DD/YY) to 03 / 31 / 16 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #3 - SO2 @ 15% O2 Monitor	Begin: 10/10/15 @ 1150 End: 10/11/15 @ 0900 When Discovered: Date & Time 10/10/15 @ 1300
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
SO2@15%O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	**H. Corrective actions taken:**	
See attached log.	See attached log.	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9-Condition - 6	Kiln #3 - O2 Monitor	Begin: 10/10/15 @ 1150 End: 10/11/15 @ 0900 When Discovered: Date & Time 10/10/15 @ 1300
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
O2 CEMS	Not Applicable	Not Applicable
G. Probable Cause of Deviation:	**H. Corrective actions taken:**	
See attached log.	See attached log.	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
		Begin: End: When Discovered: Date & Time
D. Parameters monitored:	**E. Limit:**	**F. Actual:**
G. Probable Cause of Deviation:	**H. Corrective actions taken:**	

APPENDIX A

PO0036PC1 Condition #1 and PO0036PC3 Condition #1

General Production and Throughput Data

Raw Material Extruded
Annual Lightweight Aggregate Produced

April	Extruder #1 (tons)	Hours Run	Total
4/1/2015	709	16.4	709
4/2/2015	809	18.7	809
4/3/2015	6965	161	6965
4/4/2015	649	15	649
4/5/2015	662	15.3	662
4/6/2015	402	9.3	402
4/7/2015	376	8.7	376
4/8/2015	437	10.1	437
4/9/2015	662	15.3	662
4/10/2015	800	18.5	800
4/11/2015	649	15	649
4/12/2015	260	6	260
4/13/2015	645	14.9	645
4/14/2015	510	11.8	510
4/15/2015	653	15.1	653
4/16/2015	497	11.5	497
4/17/2015	497	11.5	497
4/18/2015	489	11.3	489
4/19/2015	649	15	649
4/20/2015	627	14.5	627
4/21/2015	463	10.7	463
4/22/2015	450	10.4	450
4/23/2015	662	15.3	662
4/24/2015	632	14.6	632
4/25/2015	766	17.7	766
4/26/2015	493	11.4	493
4/27/2015	645	14.9	645
4/28/2015	658	15.2	658
4/29/2015	731	16.9	731
4/30/2015	753	17.4	753
April	24200	559.4	24200

May	Extruder #1 (tons)	Hours Run	Total
5/1/2015	645	14.9	645
5/2/2015	441	10.2	441
5/3/2015	636	14.7	636
5/4/2015	523	12.1	523
5/5/2015	580	13.4	580
5/6/2015	558	12.9	558
5/7/2015	177	4.1	177
5/8/2015	182	4.2	182
5/9/2015	787	18.2	787
5/10/2015	645	14.9	645
5/11/2015	593	13.7	593
5/12/2015	748	17.3	748
5/13/2015	718	16.6	718
5/14/2015	601	13.9	601
5/15/2015	645	14.9	645
5/16/2015	632	14.6	632
5/17/2015	658	15.2	658
5/18/2015	467	10.8	467
5/19/2015	714	16.5	714
5/20/2015	619	14.3	619
5/21/2015	376	8.7	376
5/22/2015	519	12	519
5/23/2015	619	14.3	619
5/24/2015	446	10.3	446
5/25/2015	545	12.6	545
5/26/2015	658	15.2	658
5/27/2015	424	9.8	424
5/28/2015	389	9	389
5/29/2015	666	15.4	666
5/30/2015	307	7.1	307
5/31/2015	532	12.3	532
May	17049	394.1	17049

May	Extruder #1 (tons)	Hours Run	Total
5/1/2015	645	14.9	645
5/2/2015	441	10.2	441
5/3/2015	636	14.7	636
5/4/2015	523	12.1	523
5/5/2015	580	13.4	580
5/6/2015	558	12.9	558
5/7/2015	177	4.1	177
5/8/2015	182	4.2	182
5/9/2015	787	18.2	787
5/10/2015	645	14.9	645
5/11/2015	593	13.7	593
5/12/2015	748	17.3	748
5/13/2015	718	16.6	718
5/14/2015	601	13.9	601
5/15/2015	645	14.9	645
5/16/2015	632	14.6	632
5/17/2015	658	15.2	658
5/18/2015	467	10.8	467
5/19/2015	714	16.5	714
5/20/2015	619	14.3	619
5/21/2015	376	8.7	376
5/22/2015	519	12	519
5/23/2015	619	14.3	619
5/24/2015	446	10.3	446
5/25/2015	545	12.6	545
5/26/2015	658	15.2	658
5/27/2015	424	9.8	424
5/28/2015	389	9	389
5/29/2015	666	15.4	666
5/30/2015	307	7.1	307
5/31/2015	532	12.3	532
May	17049	394.1	17049

July	Extruder #1 (tons)	Hours Run	Total
7/1/2015	601	13.9	601
7/2/2015	510	11.8	510
7/3/2015	441	10.2	441
7/4/2015	532	12.3	532
7/5/2015	567	13.1	567
7/6/2015	342	7.9	342
7/7/2015	255	5.9	255
7/8/2015	290	6.7	290
7/9/2015	381	8.8	381
7/10/2015	485	11.2	485
7/11/2015	519	12	519
7/12/2015	346	8	346
7/13/2015	744	17.2	744
7/14/2015	567	13.1	567
7/15/2015	485	11.2	485
7/16/2015	415	9.6	415
7/17/2015	619	14.3	619
7/18/2015	601	13.9	601
7/19/2015	372	8.6	372
7/20/2015	545	12.6	545
7/21/2015	536	12.4	536
7/22/2015	684	15.8	684
7/23/2015	593	13.7	593
7/24/2015	541	12.5	541
7/25/2015	640	14.8	640
7/26/2015	580	13.4	580
7/27/2015	567	13.1	567
7/28/2015	675	15.6	675
7/29/2015	593	13.7	593
7/30/2015	510	11.8	510
7/31/2015	0	0	0
July	15535	359.1	15535

August	Extruder #1 (tons)	Hours Run	Total
8/1/2015	731	16.9	731
8/2/2015	580	13.4	580
8/3/2015	601	13.9	601
8/4/2015	454	10.5	454
8/5/2015	653	15.1	653
8/6/2015	510	11.8	510
8/7/2015	545	12.6	545
8/8/2015	489	11.3	489
8/9/2015	580	13.4	580
8/10/2015	541	12.5	541
8/11/2015	826	19.1	826
8/12/2015	329	7.6	329
8/13/2015	372	8.6	372
8/14/2015	627	14.5	627
8/15/2015	545	12.6	545
8/16/2015	545	12.6	545
8/17/2015	675	15.6	675
8/18/2015	584	13.5	584
8/19/2015	541	12.5	541
8/20/2015	497	11.5	497
8/21/2015	593	13.7	593
8/22/2015	536	12.4	536
8/23/2015	580	13.4	580
8/24/2015	619	14.3	619
8/25/2015	307	7.1	307
8/26/2015	523	12.1	523
8/27/2015	528	12.2	528
8/28/2015	705	16.3	705
8/29/2015	545	12.6	545
8/30/2015	593	13.7	593
8/31/2015	485	11.2	485
August	17239	398.5	17239

September	Extruder #1 (tons)	Hours Run	Total
9/1/2015	658	15.2	658
9/2/2015	532	12.3	532
9/3/2015	735	17	735
9/4/2015	649	15	649
9/5/2015	523	12.1	523
9/6/2015	523	12.1	523
9/7/2015	580	13.4	580
9/8/2015	588	13.6	588
9/9/2015	402	9.3	402
9/10/2015	446	10.3	446
9/11/2015	813	18.8	813
9/12/2015	281	6.5	281
9/13/2015	381	8.8	381
9/14/2015	497	11.5	497
9/15/2015	640	14.8	640
9/16/2015	580	13.4	580
9/17/2015	528	12.2	528
9/18/2015	549	12.7	549
9/19/2015	666	15.4	666
9/20/2015	528	12.2	528
9/21/2015	372	8.6	372
9/22/2015	363	8.4	363
9/23/2015	420	9.7	420
9/24/2015	575	13.3	575
9/25/2015	575	13.3	575
9/26/2015	627	14.5	627
9/27/2015	606	14	606
9/28/2015	584	13.5	584
9/29/2015	303	7	303
9/30/2015	260	6	260
September	15786	364.9	15786

Ocobter	Extruder #1 (tons)	Hours Run	Total
10/1/2015	740	17.1	740
10/2/2015	597	13.8	597
10/3/2015	549	12.7	549
10/4/2015	692	16	692
10/5/2015	623	14.4	623
10/6/2015	541	12.5	541
10/7/2015	649	15	649
10/8/2015	571	13.2	571
10/9/2015	714	16.5	714
10/10/2015	485	11.2	485
10/11/2015	117	2.7	117
10/12/2015	692	16	692
10/13/2015	722	16.7	722
10/14/2015	675	15.6	675
10/15/2015	584	13.5	584
10/16/2015	333	7.7	333
10/17/2015	623	14.4	623
10/18/2015	506	11.7	506
10/19/2015	645	14.9	645
10/20/2015	718	16.6	718
10/21/2015	571	13.2	571
10/22/2015	766	17.7	766
10/23/2015	753	17.4	753
10/24/2015	545	12.6	545
10/25/2015	614	14.2	614
10/26/2015	822	19	822
10/27/2015	415	9.6	415
10/28/2015	545	12.6	545
10/29/2015	575	13.3	575
10/30/2015	433	10	433
10/31/2015	571	13.2	571
October	18386	425	18386

November	Extruder #1 (tons)	Hours Run	Total
11/1/2015	757	17.5	757
11/2/2015	463	10.7	463
11/3/2015	588	13.6	588
11/4/2015	718	16.6	718
11/5/2015	649	15	649
11/6/2015	640	14.8	640
11/7/2015	753	17.4	753
11/8/2015	809	18.7	809
11/9/2015	476	11	476
11/10/2015	696	16.1	696
11/11/2015	614	14.2	614
11/12/2015	632	14.6	632
11/13/2015	722	16.7	722
11/14/2015	640	14.8	640
11/15/2015	727	16.8	727
11/16/2015	614	14.2	614
11/17/2015	450	10.4	450
11/18/2015	541	12.5	541
11/19/2015	610	14.1	610
11/20/2015	627	14.5	627
11/21/2015	705	16.3	705
11/22/2015	714	16.5	714
11/23/2015	606	14	606
11/24/2015	571	13.2	571
11/25/2015	658	15.2	658
11/26/2015	709	16.4	709
11/27/2015	735	17	735
11/28/2015	506	11.7	506
11/29/2015	541	12.5	541
11/30/2015	277	6.4	277
November	18749	433.4	18749

December	Extruder #1 (tons)	Hours Run	Total
12/1/2015	156	3.6	156
12/2/2015	329	7.6	329
12/3/2015	424	9.8	424
12/4/2015	268	6.2	268
12/5/2015	303	7.0	303
12/6/2015	510	11.8	510
12/7/2015	372	8.6	372
12/8/2015	138	3.2	138
12/9/2015	0	0.0	0
12/10/2015	0	0.0	0
12/11/2015	0	0.0	0
12/12/2015	0	0.0	0
12/13/2015	0	0.0	0
12/14/2015	260	6.0	260
12/15/2015	0	0.0	0
12/16/2015	753	17.4	753
12/17/2015	601	13.9	601
12/18/2015	727	16.8	727
12/19/2015	619	14.3	619
12/20/2015	476	11.0	476
12/21/2015	770	17.8	770
12/22/2015	502	11.6	502
12/23/2015	619	14.3	619
12/24/2015	662	15.3	662
12/25/2015	519	12.0	519
12/26/2015	593	13.7	593
12/27/2015	562	13.0	562
12/28/2015	519	12.0	519
12/29/2015	567	13.1	567
12/30/2015	645	14.9	645
12/31/2015	627	14.5	627
December	12520	289.4	12520

January	Extruder #1 (tons)	Hours Run	Total
1/1/2016	714	16.5	714
1/2/2016	692	16.0	692
1/3/2016	735	17.0	735
1/4/2016	536	12.4	536
1/5/2016	549	12.7	549
1/6/2016	580	13.4	580
1/7/2016	541	12.5	541
1/8/2016	666	15.4	666
1/9/2016	506	11.7	506
1/10/2016	519	12.0	519
1/11/2016	779	18.0	779
1/12/2016	744	17.2	744
1/13/2016	593	13.7	593
1/14/2016	523	12.1	523
1/15/2016	649	15.0	649
1/16/2016	952	22.0	952
1/17/2016	571	13.2	571
1/18/2016	510	11.8	510
1/19/2016	606	14.0	606
1/20/2016	571	13.2	571
1/21/2016	549	12.7	549
1/22/2016	601	13.9	601
1/23/2016	497	11.5	497
1/24/2016	645	14.9	645
1/25/2016	502	11.6	502
1/26/2016	497	11.5	497
1/27/2016	722	16.7	722
1/28/2016	653	15.1	653
1/29/2016	649	15.0	649
1/30/2016	640	14.8	640
1/31/2016	523	12.1	523
January	19017	439.6	19017

February	Extruder #1 (tons)	Hours Run	Total
2/1/2016	567	13.1	567
2/2/2016	649	15.0	649
2/3/2016	696	16.1	696
2/4/2016	549	12.7	549
2/5/2016	411	9.5	411
2/6/2016	459	10.6	459
2/7/2016	411	9.5	411
2/8/2016	74	1.7	74
2/9/2016	740	17.1	740
2/10/2016	649	15.0	649
2/11/2016	692	16.0	692
2/12/2016	558	12.9	558
2/13/2016	523	12.1	523
2/14/2016	593	13.7	593
2/15/2016	329	7.6	329
2/16/2016	645	14.9	645
2/17/2016	558	12.9	558
2/18/2016	519	12.0	519
2/19/2016	658	15.2	658
2/20/2016	649	15.0	649
2/21/2016	545	12.6	545
2/22/2016	580	13.4	580
2/23/2016	437	10.1	437
2/24/2016	502	11.6	502
2/25/2016	359	8.3	359
2/26/2016	597	13.8	597
2/27/2016	666	15.4	666
2/28/2016	593	13.7	593
2/29/2016	679	15.7	679
February	15885	0.0	15885

Daily & Monthly Raw Material Processed (Clay)

March	Extruder #1 (tons)	Hours Run	Total
3/1/2016	584	13.5	584
3/2/2016	675	15.6	675
3/3/2016	701	16.2	701
3/4/2016	5710	132	5710
3/5/2016	506	11.7	506
3/6/2016	649	15	649
3/7/2016	311	7.2	311
3/8/2016	692	16	692
3/9/2016	735	17	735
3/10/2016	342	7.9	342
3/11/2016	640	14.8	640
3/12/2016	480	11.1	480
3/13/2016	523	12.1	523
3/14/2016	666	15.4	666
3/15/2016	528	12.2	528
3/16/2016	532	12.3	532
3/17/2016	398	9.2	398
3/18/2016	506	11.7	506
3/19/2016	480	11.1	480
3/20/2016	658	15.2	658
3/21/2016	593	13.7	593
3/22/2016	320	7.4	320
3/23/2016	554	12.8	554
3/24/2016	519	12	519
3/25/2016	476	11	476
3/26/2016	593	13.7	593
3/27/2016	649	15	649
3/28/2016	493	11.4	493
3/29/2016	593	13.7	593
3/30/2016	575	13.3	575
3/31/2016	692	16	692
March	22374	503.7	22374

Daily & Monthly Material Produced

April Production	Kiln #3 (tons)	Kiln #4 (tons)	Total
4/1/2015	204	244	448
4/2/2015	204	244	448
4/3/2015	204	246	450
4/4/2015	190	246	436
4/5/2015	204	244	447
4/6/2015	204	244	448
4/7/2015	167	199	366
4/8/2015	82	100	182
4/9/2015	197	245	441
4/10/2015	215	259	474
4/11/2015	208	249	458
4/12/2015	158	248	406
4/13/2015	195	220	415
4/14/2015	196	227	423
4/15/2015	200	250	451
4/16/2015	201	252	453
4/17/2015	198	246	444
4/18/2015	198	250	448
4/19/2015	208	250	458
4/20/2015	210	246	456
4/21/2015	200	118	318
4/22/2015	179	230	410
4/23/2015	175	232	407
4/24/2015	166	229	395
4/25/2015	170	234	404
4/26/2015	168	230	398
4/27/2015	142	231	372
4/28/2015	166	228	395
4/29/2015	167	231	398
4/30/2015	168	231	399
	5,544	6,903	12,448

12 Month
rolling totals

Apr-14	1,224
May-14	6,780
Jun-14	6,435
Jul-14	7,028
Aug-14	11,443
Sep-14	7,333
Oct-14	12,779
Nov-14	11,646
Dec-14	11,787
Jan-15	12,178
Feb-15	10,125
Mar-15	12,139
122,121	**monthy rolling**

	Kiln #3 (tons)	Kiln #4 (tons)	Total		
5/1/2015	166	197	363		
5/2/2015	169	232	401		
5/3/2015	169	235	404		
5/4/2015	170	42	211		
5/5/2015	178	233	411		
5/6/2015	177	230	407		
5/7/2015	87	160	247		
5/8/2015	143	160	302		
5/9/2015	178	226	404		
5/10/2015	177	225	402		
5/11/2015	177	224	401		
5/12/2015	181	230	412		
5/13/2015	174	221	395		
5/14/2015	177	205	382		
5/15/2015	177	225	403		
5/16/2015	177	226	403		
5/17/2015	176	224	400		
5/18/2015	177	226	403		
5/19/2015	179	208	387		
5/20/2015	161	203	364		
5/21/2015	0	207	207		
5/22/2015	161	230	391		
5/23/2015	123	225	349		
5/24/2015	66	232	298		
5/25/2015	165	221	386		
5/26/2015	165	221	386		
5/27/2015	64	220	284		
5/28/2015	131	238	369		
5/29/2015	183	195	379		
5/30/2015	53	177	230		
5/31/2015	166	324	390		
	4,647	6,622	11,171	**123,167**	**monthy rolling**

	Kiln #3 (tons)	Kiln #4 (tons)	Total		
6/1/2015	170	227	397		
6/2/2015	163	192	355		
6/3/2015	78	110	188		
6/4/2015	167	225	392		
6/5/2015	171	230	401		
6/6/2015	166	224	390		
6/7/2015	166	224	402		
6/8/2015	0	193	193		
6/9/2015	0	225	225		
6/10/2015	0	225	225		
6/11/2015	0	188	188		
6/12/2015	0	139	139		
6/13/2015	0	227	227		
6/14/2015	0	216	216		
6/15/2015	72	224	296		
6/16/2015	132	219	352		
6/17/2015	140	215	355		
6/18/2015	168	233	401		
6/19/2015	172	242	414		
6/20/2015	164	226	390		
6/21/2015	163	226	389		
6/22/2015	165	167	332		
6/23/2015	156	0	156		
6/24/2015	167	229	396		
6/25/2015	166	238	404		
6/26/2015	151	221	372		
6/27/2015	162	238	399		
6/28/2015	157	231	388		
6/29/2015	162	237	398		
6/30/2015	157	231	388		
June Total	3,535	6,222	9,768	**120,465**	**monthy rolling**

July Production	Kiln #3 (tons)	Kiln #4 (tons)	Total		
7/1/2015	159	214	372		
7/2/2015	159	231	389		
7/3/2015	160	91	252		
7/4/2015	160	235	395		
7/5/2015	159	232	391		
7/6/2015	162	206	368		
7/7/2015	158	0	158		
7/8/2015	112	0	112		
7/9/2015	161	119	280		
7/10/2015	157	158	315		
7/11/2015	156	146	301		
7/12/2015	161	157	318		
7/13/2015	159	212	371		
7/14/2015	159	215	373		
7/15/2015	159	205	363		
7/16/2015	168	229	397		
7/17/2015	160	233	393		
7/18/2015	104	15	119		
7/19/2015	15	169	184		
7/20/2015	160	235	395		
7/21/2015	160	234	393		
7/22/2015	160	234	393		
7/23/2015	156	231	387		
7/24/2015	154	226	380		
7/25/2015	163	238	401		
7/26/2015	156	229	385		
7/27/2015	139	230	368		
7/28/2015	254	229	384		
7/29/2015	157	233	390		
7/30/2015	95	134	230		
7/31/2015	129	0	129		
July Total	4,671	5,520	10,086	**113,566**	**monthy rolling**

August Production	Kiln #3 (tons)	Kiln #4 (tons)	Total		
8/1/2015	166	161	326		
8/2/2015	166	235	401		
8/3/2015	131	232	364		
8/4/2015	152	230	383		
8/5/2015	160	234	394		
8/6/2015	161	236	397		
8/7/2015	155	213	368		
8/8/2015	159	222	381		
8/9/2015	158	221	378		
8/10/2015	157	219	377		
8/11/2015	162	219	380		
8/12/2015	37	203	241		
8/13/2015	170	115	285		
8/14/2015	180	232	412		
8/15/2015	182	234	416		
8/16/2015	166	236	402		
8/17/2015	169	230	399		
8/18/2015	106	208	314		
8/19/2015	165	199	365		
8/20/2015	168	179	347		
8/21/2015	168	232	400		
8/22/2015	166	234	400		
8/23/2015	171	235	406		
8/24/2015	167	232	399		
8/25/2015	166	0	257		
8/26/2015	169	167	336		
8/27/2015	169	234	403		
8/28/2015	174	241	415		
8/29/2015	166	230	396		
8/30/2015	168	233	401		
8/31/2015	167	229	396		
August Total	4,921	6,525	11,539	**113,662**	**monthy rolling**

September Product	Kiln #3 (tons)	Kiln #4 (tons)	Total		
9/1/2015	185	243	428		
9/2/2015	171	230	400		
9/3/2015	171	234	405		
9/4/2015	163	216	379		
9/5/2015	168	231	400		
9/6/2015	137	233	370		
9/7/2015	129	236	365		
9/8/2015	169	232	401		
9/9/2015	71	158	229		
9/10/2015	163	231	394		
9/11/2015	169	238	407		
9/12/2015	71	126	197		
9/13/2015	148	0	148		
9/14/2015	165	135	300		
9/15/2015	162	226	388		
9/16/2015	164	231	395		
9/17/2015	167	265	402		
9/18/2015	164	232	396		
9/19/2015	163	230	393		
9/20/2015	174	208	382		
9/21/2015	156	0	156		
9/22/2015	0	197	197		
9/23/2015	0	229	229		
9/24/2015	171	237	408		
9/25/2015	164	235	398		
9/26/2015	159	231	391		
9/27/2015	163	236	399		
9/28/2015	155	226	382		
9/29/2015	50	234	284		
9/30/2015	161	198	359		
September Total	4,253	6,158	10,382	**116,711**	**monthy rolling**

October Production	Kiln #3 (tons)	Kiln #4 (tons)	Total		
10/1/2015	111	233	344		
10/2/2015	169	231	401		
10/3/2015	170	234	404		
10/4/2015	171	234	405		
10/5/2015	161	231	392		
10/6/2015	169	232	402		
10/7/2015	169	129	298		
10/8/2015	170	234	404		
10/9/2015	173	170	343		
10/10/2015	81	240	321		
10/11/2015	3	227	224		
10/12/2015	18	252	271		
10/13/2015	162	229	392		
10/14/2015	171	213	384		
10/15/2015	125	230	355		
10/16/2015	67	239	306		
10/17/2015	167	230	397		
10/18/2015	168	231	400		
10/19/2015	169	233	402		
10/20/2015	88	237	324		
10/21/2015	167	229	395		
10/22/2015	170	234	404		
10/23/2015	173	237	410		
10/24/2015	169	232	401		
10/25/2015	168	231	400		
10/26/2015	171	235	405		
10/27/2015	77	198	275		
10/28/2015	112	215	327		
10/29/2015	143	244	387		
10/30/2015	107	206	313		
10/31/2015	156	215	371		
October Total	**4,295**	**6,965**	**11,257**	**115,189**	**monthy rolling**

November Producti	Kiln #3 (tons)	Kiln #4 (tons)	Total		
11/1/2015	181	248	429		
11/2/2015	167	226	394		
11/3/2015	170	184	354		
11/4/2015	155	232	387		
11/5/2015	168	231	398		
11/6/2015	173	237	410		
11/7/2015	170	233	403		
11/8/2015	170	231	401		
11/9/2015	173	234	407		
11/10/2015	170	227	398		
11/11/2015	177	180	356		
11/12/2015	172	231	403		
11/13/2015	172	230	401		
11/14/2015	173	237	409		
11/15/2015	169	215	385		
11/16/2015	172	194	366		
11/17/2015	166	114	280		
11/18/2015	169	174	343		
11/19/2015	171	232	403		
11/20/2015	171	235	406		
11/21/2015	179	150	329		
11/22/2015	186	228	415		
11/23/2015	199	242	441		
11/24/2015	193	228	421		
11/25/2015	192	226	418		
11/26/2015	203	238	441		
11/27/2015	191	225	416		
11/28/2015	116	230	346		
11/29/2015	194	134	327		
11/30/2015	64	198	264		
November Total	**5,126**	**6,424**	**11,551**	**115,094**	**monthy rolling**

December Producti	Kiln #3 (tons)	Kiln #4 (tons)	Total		
12/1/2015	108	0	81		
12/2/2015	153	0	153		
12/3/2015	151	0	151		
12/4/2015	152	0	152		
12/5/2015	122	0	122		
12/6/2015	153	0	153		
12/7/2015	121	0	121		
12/8/2015	43	0	43		
12/9/2015	20	0	20		
12/10/2015	0	0	0		
12/11/2015	0	0	0		
12/12/2015	0	0	0		
12/13/2015	0	0	0		
12/14/2015	145	0	145		
12/15/2015	172	0	172		
12/16/2015	149	0	149		
12/17/2015	198	121	319		
12/18/2015	154	203	358		
12/19/2015	177	230	406		
12/20/2015	183	238	422		
12/21/2015	170	214	384		
12/22/2015	181	235	416		
12/23/2015	184	132	316		
12/24/2015	175	227	402		
12/25/2015	138	227	365		
12/26/2015	187	231	419		
12/27/2015	86	202	288		
12/28/2015	150	118	268		
12/29/2015	139	153	292		
12/30/2015	184	232	416		
12/31/2015	169	231	400		
December Total	**3,964**	**2,994**	**6,933**	**88,211**	**monthy rolling**

January Production	Kiln #3 (tons)	Kiln #4 (tons)	Total		
1/1/2016	164	231	396		
1/2/2016	165	238	402		
1/3/2016	126	242	367		
1/4/2016	125	195	320		
1/5/2016	122	231	353		
1/6/2016	159	231	390		
1/7/2016	160	232	392		
1/8/2016	148	234	382		
1/9/2016	139	223	362		
1/10/2016	161	198	359		
1/11/2016	161	181	341		
1/12/2016	163	236	398		
1/13/2016	83	229	312		
1/14/2016	173	229	402		
1/15/2016	186	236	422		
1/16/2016	130	232	362		
1/17/2016	164	231	395		
1/18/2016	110	230	341		
1/19/2016	157	148	305		
1/20/2016	185	227	412		
1/21/2016	7	205	212		
1/22/2016	330	37	188		
1/23/2016	183	216	399		
1/24/2016	210	72	283		
1/25/2016	175	0	175		
1/26/2016	199	87	286		
1/27/2016	191	190	381		
1/28/2016	154	203	358		
1/29/2016	171	201	371		
1/30/2016	168	199	367		
1/31/2016	85	134	219		
January Total	**4,854**	**5,978**	**10,652**	**108,714**	**monthy rolling**

February Productio	Kiln #3 (tons)	Kiln #4 (tons)	Total		
2/1/2016	175	215	390		
2/2/2016	182	213	395		
2/3/2016	182	220	401		
2/4/2016	185	230	415		
2/5/2016	80	122	202		
2/6/2016	85	132	217		
2/7/2016	112	37	149		
2/8/2016	22	37	60		
2/9/2016	27	131	158		
2/10/2016	166	211	378		
2/11/2016	129	132	261		
2/12/2016	149	177	327		
2/13/2016	153	252	405		
2/14/2016	144	246	390		
2/15/2016	94	202	296		
2/16/2016	161	227	387		
2/17/2016	90	225	315		
2/18/2016	84	223	308		
2/19/2016	177	221	398		
2/20/2016	196	232	428		
2/21/2016	112	233	346		
2/22/2016	97	230	327		
2/23/2016	6	233	238		
2/24/2016	132	230	362		
2/25/2016	174	230	404		
2/26/2016	158	237	395		
2/27/2016	191	129	320		
2/28/2016	195	230	425		
2/29/2016	196	228	424		
February Total	3,854	5,665	9,521	**108,110**	**monthy rolling**

March Production	Kiln #3 (tons)	Kiln #4 (tons)	Total	
3/1/2016	145	200	346	
3/2/2016	191	225	416	
3/3/2016	191	225	416	
3/4/2016	188	222	409	
3/5/2016	131	183	314	
3/6/2016	143	220	363	
3/7/2016	100	136	236	
3/8/2016	188	225	413	
3/9/2016	183	226	408	
3/10/2016	192	224	416	
3/11/2016	194	228	421	
3/12/2016	93	192	285	
3/13/2016	165	201	366	
3/14/2016	156	226	382	
3/15/2016	190	225	415	
3/16/2016	2	231	233	
3/17/2016	95	235	330	
3/18/2016	199	209	408	
3/19/2016	9	213	222	
3/20/2016	167	225	392	
3/21/2016	79	225	304	
3/22/2016	76	129	204	
3/23/2016	157	225	381	
3/24/2016	22	225	246	
3/25/2016	182	221	403	
3/26/2016	31	230	261	
3/27/2016	87	226	313	
3/28/2016	204	247	451	
3/29/2016	189	133	322	
3/30/2016	205	248	453	**47,908 monthy rolling**
3/31/2016	196	251	447	
March Total	4,350	6,631	10,976	Yearly total
			116,904	**Yearly total**

Power Screen Hours & Production 2015

April	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Apr			16	0	0	83	3	83	31	9	63
2-Apr				0	0	0	0	0	#DIV/0!		0
3-Apr				0	0	0	0	0	#DIV/0!		0
4-Apr			16	0	0	83	3	83	31	7	49
5-Apr			19	0	0	99	3	99	31	7	49
6-Apr			15	0	0	78	3	78	31	5	35
7-Apr				0	0	0	0	0	#DIV/0!		0
8-Apr		9	14	0	47	73	4	120	31	9	63
9-Apr		16		0	83	0	3	83	31	8	56
10-Apr				0	0	0	0	0	#DIV/0!		0
11-Apr	15	17		78	88	0	5	166	31	18	126
12-Apr	11			57	0	0	2	57	31	2	14
13-Apr	10	12		52	62	0	4	114	31	9	63
14-Apr				0	0	0	0	0	#DIV/0!		0
15-Apr				0	0	0	0	0	#DIV/0!		0
16-Apr				0	0	0	0	0	#DIV/0!		0
17-Apr	6			31	0	0	1	31	31		0
18-Apr				0	0	0	0	0	#DIV/0!		0
19-Apr	15		10	78	0	52	4	130	31	9	63
20-Apr	15	5		78	26	0	3	104	31	7	49
21-Apr		6		0	31	0	1	31	31	2	14
22-Apr				0	0	0	0	0	#DIV/0!		0
23-Apr				0	0	0	0	0	#DIV/0!		0
24-Apr			11	0	0	57	2	57	31		0
25-Apr		13		0	68	0	2	68	31	3	21
26-Apr		6		0	31	0	1	31	31		0
27-Apr				0	0	0	0	0	#DIV/0!		0
28-Apr				0	0	0	0	0	#DIV/0!		0
29-Apr				0	0	0	0	0	#DIV/0!		0
30-Apr			17	0	0	88	3	88	31	6	42
Totals				374	437	530	43	1425		101	707

Power Screen Hours & Production 2015

May	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-May	10	28		52	146	0	6	198	31	13	91
2-May	15	14	16	78	73	83	8	234	31	20	140
3-May	17		15	88	0	78	5	166	31	13	91
4-May				0	0	0	0	0	#DIV/0!		0
5-May	12			62	0	0	2	62	31	6	42
6-May				0	0	0	0	0	#DIV/0!		0
7-May		14		0	73	0	2	73	31	6	42
8-May		14		0	73	0	2	73	31	15	105
9-May		16		0	83	0	3	83	31	5	35
10-May	10	21		52	109	0	5	161	31	9	63
11-May		10		0	52	0	2	52	31	5	35
12-May		18		0	94	0	3	94	31	7	49
13-May	11	17	10	57	88	52	6	198	31	18	126
14-May			12	0	0	62	2	62	31	8	56
15-May				0	0	0	0	0	#DIV/0!		0
16-May				0	0	0	0	0	#DIV/0!		0
17-May				0	0	0	0	0	#DIV/0!		0
18-May				0	0	0	0	0	#DIV/0!		0
19-May				0	0	0	0	0	#DIV/0!		0
20-May	19			99	0	0	3	99	31	18	126
21-May	21	8		109	42	0	5	151	31	18	126
22-May	23	15		120	78	0	6	198	31	22	154
23-May		19	11	0	99	57	5	156	31	28	196
24-May		12	14	0	62	73	4	135	31	17	119
25-May	15	11		78	57	0	4	135	31	18	126
26-May			18	0	0	94	3	94	31	7	49
27-May	12		18	62	0	94	5	156	31	22	154
28-May	13	19	21	68	99	109	9	276	31	48	336
29-May	12	11	17	62	57	88	7	208	31	27	189
30-May	12	10	23	62	52	120	8	234	31	20	140
31-May	18			94	0	0	3	94	31	6	91
Totals				1014	1118	827	95	3390		376	2681

Power Screen Hours & Production 2015

June	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Jun	10		15	52	0	78	4	130	31	12	84
2-Jun	13	10	12	68	52	62	6	182	31	16	112
3-Jun				0	0	0	0	0	#DIV/0!		0
4-Jun				0	0	0	0	0	#DIV/0!		0
5-Jun			11	0	0	57	2	57	31	7	49
6-Jun	17	21		88	109	0	6	198	31	45	315
7-Jun	11	22	15	57	114	78	8	250	31	27	189
8-Jun	13		12	68	0	62	4	130	31	15	105
9-Jun				0	0	0	0	0	#DIV/0!		0
10-Jun				0	0	0	0	0	#DIV/0!		0
11-Jun				0	0	0	0	0	#DIV/0!		0
12-Jun				0	0	0	0	0	#DIV/0!		0
13-Jun				0	0	0	0	0	#DIV/0!		0
14-Jun				0	0	0	0	0	#DIV/0!		0
15-Jun				0	0	0	0	0	#DIV/0!		0
16-Jun				0	0	0	0	0	#DIV/0!		0
17-Jun				0	0	0	0	0	#DIV/0!		0
18-Jun				0	0	0	0	0	#DIV/0!		0
19-Jun				0	0	0	0	0	#DIV/0!		0
20-Jun			15	0	0	78	3	78	31	4	28
21-Jun	17	15	30	88	78	156	10	322	31	33	231
22-Jun	17	12		88	62	0	5	151	31	16	112
23-Jun	12	10	16	62	52	83	6	198	31	19	133
24-Jun				0	0	0	0	0	#DIV/0!		0
25-Jun				0	0	0	0	0	#DIV/0!		0
26-Jun				0	0	0	0	0	#DIV/0!		0
27-Jun				0	0	0	0	0	#DIV/0!		0
28-Jun				0	0	0	0	0	#DIV/0!		0
29-Jun				0	0	0	0	0	#DIV/0!		0
30-Jun				0	0	0	0	0	#DIV/0!		0
Totals							50	2157.16667		194	1358

Power Screen Hours & Production 2015

July	operator			Tons Ran			Total daily	Total Daily	Tons Per.	Total 3/8 cy	
	Bucket count			Grave	Days	Swing	Hours	Production	Hour	bucket	cy
1-Jul		14	12	0	73	62	4	135	31	14	98
2-Jul	8	14		42	73	0	4	114	31	12	84
3-Jul	22	16	12	114	83	62	8	260	31	23	161
4-Jul		28	10	0	146	52	6	198	31	19	133
5-Jul	15	26	12	78	135	62	9	276	31	26	182
6-Jul	8	18	12	42	94	62	6	198	31	13	91
7-Jul	11			57	0	0	2	57	31		0
8-Jul	8		17	42	0	88	4	130	31	8	56
9-Jul		15	13	0	78	68	5	146	31	11	77
10-Jul			17	0	0	88	3	88	31	6	42
11-Jul	26	20		135	104	0	8	239	31	17	119
12-Jul	26	20		135	104	0	8	239	31	17	119
13-Jul	23			120	0	0	4	120	31	7	49
14-Jul			13	0	0	68	2	68	31	9	63
15-Jul				0	0	0	0	0	#DIV/0!		0
16-Jul			15	0	0	78	3	78	31	6	42
17-Jul				0	0	0	0	0	#DIV/0!		0
18-Jul		28	30	0	146	156	10	302	31	19	133
19-Jul		22	24	0	114	125	8	239	31	19	133
20-Jul		15	10	0	78	52	4	130	31	17	119
21-Jul		12	14	0	62	73	4	135	31	12	84
22-Jul	9	18	17	47	94	88	7	229	31	20	140
23-Jul	12	20	17	62	104	88	8	255	31	26	182
24-Jul			14	0	0	73	2	73	31	6	42
25-Jul	15	17		78	88	0	5	166	31	15	105
26-Jul	17			88	0	0	3	88	31	9	63
27-Jul				0	0	0	0	0	#DIV/0!		0
28-Jul				0	0	0	0	0	#DIV/0!		0
29-Jul			21	0	0	109	4	109	31	14	98
30-Jul				0	0	0	0	0	#DIV/0!		0
31-Jul		9	24	0	47	125	6	172	31	18	98
Totals							132	4108		363	2513

Power Screen Hours & Production 2015

August	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Aug	19	28		99	146	0	8	244	31	21	147
2-Aug	20	28	19	104	146	99	11	348	31	27	189
3-Aug	30	28	22	156	146	114	13	416	31	41	287
4-Aug	60		30	312	0	156	15	468	31	52	364
5-Aug	38		30	198	0	156	11	354	31	27	189
6-Aug	20	25	32	104	130	166	13	400	31	42	294
7-Aug	10		18	52	0	94	5	146	31	15	105
8-Aug	15		28	78	0	146	7	224	31	20	140
9-Aug	25		30	130	0	156	9	286	31	21	147
10-Aug	26		29	135	0	151	9	286	31	20	140
11-Aug	26		15	135	0	78	7	213	31	12	84
12-Aug	15			78	0	0	3	78	31	6	42
13-Aug			16	0	0	83	3	83	31	20	140
14-Aug	23	28	34	120	146	177	14	442	31	37	259
15-Aug		22	21	0	114	109	7	224	31	20	140
16-Aug	30	19	16	156	99	83	11	338	31	23	161
17-Aug	14			73	0	0	2	73	31	6	42
18-Aug	23	13		120	68	0	6	187	31	16	112
19-Aug			13	0	0	68	2	68	31	4	28
20-Aug				0	0	0	0	0	#DIV/0!		0
21-Aug				0	0	0	0	0	#DIV/0!	0	0
22-Aug	18	27		94	140	0	8	234	31	22	154
23-Aug	25	21	18	130	109	94	11	333	31	33	231
24-Aug	20	23		104	120	0	7	224	31	23	161
25-Aug	16		22	83	0	114	6	198	31	16	112
26-Aug				0	0	0	0	0	#DIV/0!		0
27-Aug		17		0	88	0	3	88	31	12	84
28-Aug		16		0	83	0	3	83	31	11	77
29-Aug	6			31	0	0	1	31	31	1	7
30-Aug				0	0	0	0	0	#DIV/0!		0
31-Aug				0	0	0	0	0	#DIV/0!		147
Totals							187	5824		548	3983

Power Screen Hours & Production 2015

Sept	operator			Tons Ran			Total daily	Total Daily	Tons Per.	Total 3/8 cy	
	Bucket count			Grave	Days	Swing	Hours	Production	Hour	bucket	cy
1-Sep				0	0	0	0	0	#DIV/0!		0
2-Sep				0	0	0	0	0	#DIV/0!		0
3-Sep				0	0	0	0	0	#DIV/0!		0
4-Sep				0	0	0	0	0	#DIV/0!		0
5-Sep				0	0	0	0	0	#DIV/0!		0
6-Sep				0	0	0	0	0	#DIV/0!		0
7-Sep				0	0	0	0	0	#DIV/0!		0
8-Sep				0	0	0	0	0	#DIV/0!		0
9-Sep				0	0	0	0	0	#DIV/0!		0
10-Sep				0	0	0	0	0	#DIV/0!		0
11-Sep				0	0	0	0	0	#DIV/0!		0
12-Sep				0	0	0	0	0	#DIV/0!		0
13-Sep				0	0	0	0	0	#DIV/0!		0
14-Sep				0	0	0	0	0	#DIV/0!		0
15-Sep				0	0	0	0	0	#DIV/0!		0
16-Sep				0	0	0	0	0	#DIV/0!		0
17-Sep				0	0	0	0	0	#DIV/0!		0
18-Sep				0	0	0	0	0	#DIV/0!		0
19-Sep			23	0	0	120	4	120	31	6	42
20-Sep			24	0	0	125	4	125	31	8	56
21-Sep				0	0	0	0	0	#DIV/0!		0
22-Sep				0	0	0	0	0	#DIV/0!		0
23-Sep				0	0	0	0	0	#DIV/0!		0
24-Sep		12		0	62	0	2	62	31	5	35
25-Sep		14	8	0	73	42	4	114	31	10	70
26-Sep		19	10	0	99	52	5	151	31	14	98
27-Sep		18	8	0	94	42	4	135	31	11	77
28-Sep		14		0	73	0	2	73	31	6	42
29-Sep				0	0	0	0	0	#DIV/0!		0
30-Sep		14	11	0	73	57	4	130	31	20	140
Totals							29	1254.16667		80	560

Power Screen Hours & Production 2015

October	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Oct			20	0	0	104	3	104	31	15	105
2-Oct			22	0	0	114	4	114	31	10	70
3-Oct	18			94	0	0	3	94	31	9	63
4-Oct	16	10		83	52	0	4	135	31	16	112
5-Oct	15			78	0	0	3	78	31	6	42
6-Oct	17			88	0	0	3	88	31	9	63
7-Oct				0	0	0	0	0	#DIV/0!		0
8-Oct				0	0	0	0	0	#DIV/0!		0
9-Oct				0	0	0	0	0	#DIV/0!		0
10-Oct				0	0	0	0	0	#DIV/0!		0
11-Oct				0	0	0	0	0	#DIV/0!		0
12-Oct				0	0	0	0	0	#DIV/0!		0
13-Oct	13			68	0	0	2	68	31	7	49
14-Oct				0	0	0	0	0	#DIV/0!		0
15-Oct				0	0	0	0	0	#DIV/0!		0
16-Oct				0	0	0	0	0	#DIV/0!		0
17-Oct				0	0	0	0	0	#DIV/0!		0
18-Oct				0	0	0	0	0	#DIV/0!		0
19-Oct				0	0	0	0	0	#DIV/0!		0
20-Oct				0	0	0	0	0	#DIV/0!		0
21-Oct				0	0	0	0	0	#DIV/0!		0
22-Oct				0	0	0	0	0	#DIV/0!		0
23-Oct				0	0	0	0	0	#DIV/0!		0
24-Oct				0	0	0	0	0	#DIV/0!		0
25-Oct				0	0	0	0	0	#DIV/0!		0
26-Oct				0	0	0	0	0	#DIV/0!		0
27-Oct				0	0	0	0	0	#DIV/0!		0
28-Oct		10	15	0	52	78	4	130	31	17	119
29-Oct		10		0	52	0	2	52	31	36	252
30-Oct		40		0	208	0	7	208	31	16	112
31-Oct	10	47		52	244	0	10	296	31	44	308
Totals							41	1741.5		185	1295

Power Screen Hours & Production 2015

Nov	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Nov	20			104	0	0	3	104	31	8	56
2-Nov	3			16	0	0	1	16	31	4	28
3-Nov				0	0	0	0	0	#DIV/0!		0
4-Nov				0	0	0	0	0	#DIV/0!		0
5-Nov		62		0	322	0	10	322	31	41	287
6-Nov		52		0	270	0	9	270	31	49	343
7-Nov	24			125	0	0	4	125	31	14	98
8-Nov	27	15	15	140	78	78	10	296	31	28	196
9-Nov	13	22		68	114	0	6	182	31	27	189
10-Nov		61	17	0	317	88	13	406	31	64	448
11-Nov	24	18	4	125	94	21	8	239	31	26	182
12-Nov				0	0	0	0	0	#DIV/0!		0
13-Nov				0	0	0	0	0	#DIV/0!		0
14-Nov				0	0	0	0	0	#DIV/0!		0
15-Nov				0	0	0	0	0	#DIV/0!		0
16-Nov				0	0	0	0	0	#DIV/0!		0
17-Nov				0	0	0	0	0	#DIV/0!		0
18-Nov				0	0	0	0	0	#DIV/0!		0
19-Nov				0	0	0	0	0	#DIV/0!		0
20-Nov				0	0	0	0	0	#DIV/0!		0
21-Nov				0	0	0	0	0	#DIV/0!		0
22-Nov				0	0	0	0	0	#DIV/0!		0
23-Nov				0	0	0	0	0	#DIV/0!		0
24-Nov				0	0	0	0	0	#DIV/0!		0
25-Nov				0	0	0	0	0	#DIV/0!		0
26-Nov				0	0	0	0	0	#DIV/0!		0
27-Nov				0	0	0	0	0	#DIV/0!		0
28-Nov				0	0	0	0	0	#DIV/0!		0
29-Nov				0	0	0	0	0	#DIV/0!		0
30-Nov				0	0	0	0	0	#DIV/0!		0
Totals							60	1856		261	1827

Power Screen Hours & Production 2015

Dec	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Dec				0	0	0	0	0	#DIV/0!		0
2-Dec				0	0	0	0	0	#DIV/0!		0
3-Dec				0	0	0	0	0	#DIV/0!		0
4-Dec				0	0	0	0	0	#DIV/0!		0
5-Dec				0	0	0	0	0	#DIV/0!		0
6-Dec				0	0	0	0	0	#DIV/0!		0
7-Dec				0	0	0	0	0	#DIV/0!		0
8-Dec				0	0	0	0	0	#DIV/0!		0
9-Dec		17	28	0	88	146	8	234	31	32	224
10-Dec		17	22	0	88	114	7	203	31	41	287
11-Dec	16			83	0	0	3	83	31		0
12-Dec				0	0	0	0	0	#DIV/0!		0
13-Dec				0	0	0	0	0	#DIV/0!		0
14-Dec				0	0	0	0	0	#DIV/0!		0
15-Dec				0	0	0	0	0	#DIV/0!		0
16-Dec				0	0	0	0	0	#DIV/0!		0
17-Dec				0	0	0	0	0	#DIV/0!		0
18-Dec	12	23		62	120	0	6	182	31	21	147
19-Dec	11			57	0	0	2	57	31	6	42
20-Dec	10	20		52	104	0	5	156	31	13	91
21-Dec	2	23		10	120	0	4	130	31	9	63
22-Dec	15	18		78	94	0	6	172	31	21	147
23-Dec		22	20	0	114	104	7	218	31	20	140
24-Dec	18	25	15	94	130	78	10	302	31	28	196
25-Dec		26	18	0	135	94	7	229	31	19	133
26-Dec		33	12	0	172	62	8	234	31	24	168
27-Dec		26	10	0	135	52	6	187	31	20	140
28-Dec	8	54		42	281	0	10	322	31	39	273
29-Dec		42	16	0	218	83	10	302	31	21	147
30-Dec		21		0	109	0	4	109	31	13	91
31-Dec				0	0	0	0	0	#DIV/0!		0
Totals							100	3120		327	2289

Power Screen Hours & Production 2016

January	operator			Tons Ran			Total daily	Total Daily	Tons Per.	Total 3/8 cy	
	Bucket count			Grave	Days	Swing	Hours	Production	Hour	bucket	cy
1-Jan		19		0	99	0	3	99	31	6	42
2-Jan	17			88	0	0	3	88	31	7	49
3-Jan	27			140	0	0	5	140	31	10	70
4-Jan	26			135	0	0	4	135	31	12	84
5-Jan	17			88	0	0	3	88	31	9	63
6-Jan	11			57	0	0	2	57	31	7	49
7-Jan				0	0	0	0	0	#DIV/0!		0
8-Jan		24		0	125	0	4	125	31	2	14
9-Jan				0	0	0	0	0	#DIV/0!		0
10-Jan				0	0	0	0	0	#DIV/0!		0
11-Jan		22		0	114	0	4	114	31	11	77
12-Jan				0	0	0	0	0	#DIV/0!		0
13-Jan		33	27	0	172	140	10	312	31	23	161
14-Jan		9	23	0	47	120	5	166	31	13	91
15-Jan			21	0	0	109	4	109	31	11	77
16-Jan			18	0	0	94	3	94	31	5	35
17-Jan	12		21	62	0	109	6	172	31	15	105
18-Jan		49	17	0	255	88	11	343	31	30	210
19-Jan		41		0	213	0	7	213	31	13	91
20-Jan		11		0	57	0	2	57	31	4	28
21-Jan		26		0	135	0	4	135	31	23	161
22-Jan		16		0	83	0	3	83	31		0
23-Jan		22		0	114	0	4	114	31	14	98
24-Jan		29		0	151	0	5	151	31	15	105
25-Jan	13	16	8	68	83	42	6	192	31	12	84
26-Jan				0	0	0	0	0	#DIV/0!		0
27-Jan		7		0	36	0	1	36	31		0
28-Jan				0	0	0	0	0	#DIV/0!		0
29-Jan				0	0	0	0	0	#DIV/0!		0
30-Jan	23	19		120	99	0	7	218	31	14	98
31-Jan	12			62	0	0	2	62	31	5	35
1-Feb				822	1784	702	106	3307		261	1827

Power Screen Hours & Production 2016

February	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Feb	12	31		62	161	0	7	224	31	12	
2-Feb	18	38		94	198	0	9	291	31	33	231
3-Feb	24			125	0	0	4	125	31	9	63
4-Feb	19			99	0	0	3	99	31	10	70
5-Feb	24			125	0	0	4	125	31	9	63
6-Feb				0	0	0	0	0	#DIV/0!		0
7-Feb				0	0	0	0	0	#DIV/0!		0
8-Feb		23		0	120	0	4	120	31	7	49
9-Feb	26	12		135	62	0	6	198	31	14	98
10-Feb		17	25	0	88	130	7	218	31	12	84
11-Feb		35	14	0	182	73	8	255	31	23	161
12-Feb	43	19	28	224	99	146	15	468	31	49	343
13-Feb		28		0	146	0	5	146	31	11	77
14-Feb	17	16	29	88	83	151	10	322	31	24	168
15-Feb		63	15	0	328	78	13	406	31	41	287
16-Feb		10		0	52	0	2	52	31	7	49
17-Feb		30	20	0	156	104	8	260	31	18	126
18-Feb				0	0	0	0	0	#DIV/0!		0
19-Feb				0	0	0	0	0	#DIV/0!		0
20-Feb				0	0	0	0	0	#DIV/0!		0
21-Feb				0	0	0	0	0	#DIV/0!		0
22-Feb		33		0	172	0	6	172	31	2	14
23-Feb	12	15		62	78	0	5	140	31	13	91
24-Feb	10			52	0	0	2	52	31	3	21
25-Feb	7			36	0	0	1	36	31	3	21
26-Feb		11		0	57	0	2	57	31	3	21
27-Feb	23			120	0	0	4	120	31	9	63
28-Feb	29			151	0	0	5	151	31	12	84
29-Feb	27	31	22	140	161	114	13	416	31	25	175
Totals				1451	1981	796	136	4451			2359

Power Screen Hours & Production 2016

March	operator Bucket count			Tons Ran Grave	Days	Swing	Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy bucket	cy
1-Mar	20	14		104	73	0	6	177	31	12	84
2-Mar	11	18		57	94	0	5	151	31	12	84
3-Mar		9		0	47	0	2	47	31	7	49
4-Mar	12			62	0	0	2	62	31	2	14
5-Mar				0	0	0	0	0	#DIV/0!		0
6-Mar			12	0	0	62	2	62	31	5	35
7-Mar	22	47	14	114	244	73	14	432	31	45	315
8-Mar	24	24	15	125	125	78	11	328	31	30	210
9-Mar	15	49	16	78	255	83	13	416	31	51	357
10-Mar	16	66	17	83	343	88	17	515	31	69	483
11-Mar		48	19	0	250	99	11	348	31	48	336
12-Mar	14	20	19	73	104	99	9	276	31	23	161
13-Mar	17			88	0	0	3	88	31	9	63
14-Mar	13	35	16	68	182	83	11	333	31	34	238
15-Mar		40	15	0	208	78	9	286	31	20	140
16-Mar	14	23	16	73	120	83	9	276	31	22	154
17-Mar	16	37	15	83	192	78	11	354	31	40	280
18-Mar			32	0	0	166	5	166	31	20	140
19-Mar	20		38	104	0	198	10	302	31	36	252
20-Mar	20	32		104	166	0	9	270	31	37	259
21-Mar	14		22	73	0	114	6	187	31	27	189
22-Mar	18	58	29	94	302	151	18	546	31	69	483
23-Mar		64	19	0	333	99	14	432	31	54	378
24-Mar				0	0	0	0	0	#DIV/0!		0
25-Mar		81		0	421	0	14	421	31	47	329
26-Mar	32	29	26	166	151	135	15	452	31	50	350
27-Mar	30		23	156	0	120	9	276	31	29	203
28-Mar		74	24	0	385	125	16	510	31	54	378
29-Mar	26	66	20	135	343	104	19	582	31	76	532
30-Mar		69		0	359	0	12	359	31	39	273
31-Mar	31	69		161	359	0	17	520	31	62	434
Totals				1841	4888	2116	284	9173		1029	7203

APPENDIX B

PO0036PC2 Condition #1

Natural Gas Consumption

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
4/1/2015	735	693	1428	
4/2/2015	751	693	1444	
4/3/2015	751	687	1438	
4/4/2015	720	679	1399	
4/5/2015	744	674	1418	
4/6/2015	755	674	1429	
4/7/2015	524	455	979	
4/8/2015	588	597	1185	
4/9/2015	730	674	1404	
4/10/2015	784	684	1468	
4/11/2015	768	690	1458	
4/12/2015	658	697	1355	
4/13/2015	712	628	1340	
4/14/2015	723	638	1361	
4/15/2015	725	683	1408	
4/16/2015	770	638	1408	
4/17/2015	676	709	1385	
4/18/2015	710	686	1396	
4/19/2015	723	683	1406	
4/20/2015	729	681	1410	
4/21/2015	733	385	1118	
4/22/2015	761	672	1433	
4/23/2015	743	658	1401	
4/24/2015	721	669	1390	
4/25/2015	735	666	1401	
4/26/2015	747	669	1416	
4/27/2015	673	680	1353	
4/28/2015	724	676	1400	
4/29/2015	715	685	1400	
4/30/2015	711	685	1396	
	21,539	19,688	41,227	21.54

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
5/1/2015	714	641	1355	
5/2/2015	719	689	1408	
5/3/2015	713	692	1405	
5/4/2015	730	341	1071	
5/5/2015	744	699	1443	
5/6/2015	733	680	1413	
5/7/2015	347	576	923	
5/8/2015	661	566	1227	
5/9/2015	734	679	1413	
5/10/2015	731	679	1410	
5/11/2015	719	672	1391	
5/12/2015	725	687	1412	
5/13/2015	706	688	1394	
5/14/2015	741	638	1379	
5/15/2015	717	640	1357	
5/16/2015	736	670	1406	
5/17/2015	718	673	1391	
5/18/2015	733	670	1403	
5/19/2015	706	628	1334	
5/20/2015	677	635	1312	
5/21/2015	111	671	782	
5/22/2015	725	694	1419	
5/23/2015	639	700	1339	
5/24/2015	416	675	1091	
5/25/2015	738	679	1417	
5/26/2015	745	682	1427	
5/27/2015	424	657	1081	
5/28/2015	633	558	1191	
5/29/2015	693	751	1444	
5/30/2015	341	597	938	
5/31/2015	716	685	1401	
	20,185	20,192	40,377	20.19

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
6/1/2015	718	684	1402	
6/2/2015	705	627	1332	
6/3/2015	457	428	885	
6/4/2015	707	673	1380	
6/5/2015	727	690	1417	
6/6/2015	704	657	1361	
6/7/2015	704	691	1395	
6/8/2015	2	657	659	
6/9/2015	0	665	665	
6/10/2015	0	672	672	
6/11/2015	0	577	577	
6/12/2015	0	491	491	
6/13/2015	0	713	713	
6/14/2015	0	727	727	
6/15/2015	461	741	1202	
6/16/2015	652	752	1404	
6/17/2015	656	733	1389	
6/18/2015	712	765	1477	
6/19/2015	779	802	1581	
6/20/2015	687	741	1428	
6/21/2015	686	746	1432	
6/22/2015	698	574	1272	
6/23/2015	711	112	823	
6/24/2015	701	743	1444	
6/25/2015	697	746	1443	
6/26/2015	640	703	1343	
6/27/2015	670	745	1415	
6/28/2015	665	738	1403	
6/29/2015	646	731	1377	
6/30/2015	646	715	1361	
	15,431	20,039	35,470	15.43

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
7/1/2015	636	687	1323	
7/2/2015	639	710	1349	
7/3/2015	656	379	1035	
7/4/2015	659	730	1389	
7/5/2015	647	718	1365	
7/6/2015	675	634	1309	
7/7/2015	669	0	669	
7/8/2015	651	1	652	
7/9/2015	640	514	1154	
7/10/2015	645	581	1226	
7/11/2015	630	535	1165	
7/12/2015	646	594	1240	
7/13/2015	642	666	1308	
7/14/2015	647	665	1312	
7/15/2015	644	669	1313	
7/16/2015	666	694	1360	
7/17/2015	671	730	1401	
7/18/2015	185	692	877	
7/19/2015	617	95	712	
7/20/2015	656	740	1396	
7/21/2015	635	730	1365	
7/22/2015	635	721	1356	
7/23/2015	644	733	1377	
7/24/2015	658	718	1376	
7/25/2015	663	725	1388	
7/26/2015	713	726	1439	
7/27/2015	603	745	1348	
7/28/2015	660	738	1398	
7/29/2015	656	742	1398	
7/30/2015	370	409	779	
7/31/2015	697	142	839	
	19,455	18,163	37,618	19.46

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
8/1/2015	668	599	1267	
8/2/2015	673	738	1411	
8/3/2015	558	700	1258	
8/4/2015	643	717	1360	
8/5/2015	633	695	1328	
8/6/2015	643	718	1361	
8/7/2015	645	684	1329	
8/8/2015	637	666	1303	
8/9/2015	641	716	1357	
8/10/2015	630	710	1340	
8/11/2015	625	692	1317	
8/12/2015	298	655	953	
8/13/2015	696	501	1197	
8/14/2015	703	720	1423	
8/15/2015	705	715	1420	
8/16/2015	668	739	1407	
8/17/2015	700	735	1435	
8/18/2015	511	679	1190	
8/19/2015	698	683	1381	
8/20/2015	715	657	1372	
8/21/2015	711	732	1443	
8/22/2015	707	717	1424	
8/23/2015	703	728	1431	
8/24/2015	697	710	1407	
8/25/2015	698	62	760	
8/26/2015	676	603	1279	
8/27/2015	723	765	1488	
8/28/2015	698	721	1419	
8/29/2015	683	737	1420	
8/30/2015	680	712	1392	
8/31/2015	699	723	1422	
	20,365	20,929	41,294	20.37

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
9/1/2015	702	716	1418	
9/2/2015	740	752	1492	
9/3/2015	687	726	1413	
9/4/2015	687	695	1382	
9/5/2015	716	739	1455	
9/6/2015	605	735	1340	
9/7/2015	584	732	1316	
9/8/2015	704	732	1436	
9/9/2015	432	557	989	
9/10/2015	681	708	1389	
9/11/2015	685	729	1414	
9/12/2015	359	467	826	
9/13/2015	635	29	664	
9/14/2015	692	528	1221	
9/15/2015	708	690	1398	
9/16/2015	722	694	1416	
9/17/2015	678	694	1372	
9/18/2015	668	720	1388	
9/19/2015	649	718	1367	
9/20/2015	487	655	1142	
9/21/2015	758	35	793	
9/22/2015	0	757	757	
9/23/2015	447	957	1404	
9/24/2015	737	778	1515	
9/25/2015	638	677	1315	
9/26/2015	661	705	1366	
9/27/2015	654	687	1341	
9/28/2015	657	700	1357	
9/29/2015	1064	271	1335	
9/30/2015	676	645	1321	
	19,113	19,228	38,342	19.11

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
10/1/2015	376	458	834	
10/2/2015	712	693	1405	
10/3/2015	700	680	1380	
10/4/2015	695	691	1386	
10/5/2015	683	682	1365	
10/6/2015	704	707	1411	
10/7/2015	705	508	1213	
10/8/2015	699	727	1426	
10/9/2015	705	590	1295	
10/10/2015	402	738	1140	
10/11/2015	174	698	872	
10/12/2015	248	708	956	
10/13/2015	709	722	1431	
10/14/2015	598	708	1306	
10/15/2015	598	708	1306	
10/16/2015	449	711	1160	
10/17/2015	703	684	1387	
10/18/2015	703	699	1402	
10/19/2015	689	671	1360	
10/20/2015	518	698	1216	
10/21/2015	738	714	1452	
10/22/2015	652	638	1290	
10/23/2015	686	673	1359	
10/24/2015	668	665	1333	
10/25/2015	682	676	1358	
10/26/2015	668	658	1326	
10/27/2015	371	614	985	
10/28/2015	566	646	1212	
10/29/2015	641	647	1288	
10/30/2015	516	579	1095	
10/31/2015	686	642	1328	
	18,644	**20,633**	**39,277**	18.64

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
11/1/2015	734	700	1434	
11/2/2015	707	648	1355	
11/3/2015	702	571	1273	
11/4/2015	668	663	1331	
11/5/2015	698	654	1352	
11/6/2015	710	671	1381	
11/7/2015	695	677	1372	
11/8/2015	706	665	1371	
11/9/2015	706	674	1380	
11/10/2015	696	647	1343	
11/11/2015	722	553	1275	
11/12/2015	700	650	1350	
11/13/2015	712	665	1377	
11/14/2015	718	689	1407	
11/15/2015	707	668	1375	
11/16/2015	729	634	1363	
11/17/2015	692	492	1184	
11/18/2015	692	603	1295	
11/19/2015	694	678	1372	
11/20/2015	557	683	1240	
11/21/2015	700	479	1179	
11/22/2015	747	685	1432	
11/23/2015	743	672	1415	
11/24/2015	748	667	1415	
11/25/2015	773	626	1399	
11/26/2015	771	723	1494	
11/27/2015	723	661	1384	
11/28/2015	583	651	1234	
11/29/2015	754	510	1264	
11/30/2015	413	476	889	
	20,900	**19,035**	**39,935**	20.90

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
12/1/2015	564	0	564	
12/2/2015	706	0	706	
12/3/2015	701	0	701	
12/4/2015	705	0	705	
12/5/2015	635	0	635	
12/6/2015	717	0	717	
12/7/2015	657	0	657	
12/8/2015	520	0	520	
12/9/2015	235	0	235	
12/10/2015	0	0	0	
12/11/2015	0	0	0	
12/12/2015	0	0	0	
12/13/2015	0	0	0	
12/14/2015	711	0	711	
12/15/2015	688	4	692	
12/16/2015	747	117	864	
12/17/2015	730	548	1278	
12/18/2015	612	570	1182	
12/19/2015	725	608	1333	
12/20/2015	731	620	1351	
12/21/2015	728	586	1314	
12/22/2015	689	627	1316	
12/23/2015	766	501	1267	
12/24/2015	739	629	1368	
12/25/2015	644	604	1248	
12/26/2015	758	630	1388	
12/27/2015	532	571	1103	
12/28/2015	491	350	840	
12/29/2015	587	561	1148	
12/30/2015	724	633	1357	
12/31/2015	683	596	1279	
	17,725	**8,755**	**26,479**	17.73

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
1/1/2016	702	622	1324	
1/2/2016	681	619	1300	
1/3/2016	609	617	1226	
1/4/2016	599	571	1170	
1/5/2016	601	588	1189	
1/6/2016	667	568	1235	
1/7/2016	668	573	1241	
1/8/2016	641	585	1226	
1/9/2016	624	586	1210	
1/10/2016	645	556	1201	
1/11/2016	673	543	1216	
1/12/2016	648	610	1258	
1/13/2016	670	394	1064	
1/14/2016	497	799	1296	
1/15/2016	922	403	1325	
1/16/2016	619	611	1230	
1/17/2016	682	594	1276	
1/18/2016	904	230	1134	
1/19/2016	965	148	1113	
1/20/2016	719	601	1320	
1/21/2016	40	413	453	
1/22/2016	932	253	1185	
1/23/2016	519	431	950	
1/24/2016	769	249	1018	
1/25/2016	692	6	698	
1/26/2016	775	433	1208	
1/27/2016	754	577	1331	
1/28/2016	700	625	1325	
1/29/2016	749	645	1394	
1/30/2016	742	625	1367	
1/31/2016	580	504	1084	
	20,988	**15,579**	**36,567**	20.99

	Kiln #3 mcf	Kiln #4 mcf	Main Gas	
2/1/2016	788	660	1448	
2/2/2016	761	631	1392	
2/3/2016	742	648	1390	
2/4/2016	768	661	1429	
2/5/2016	601	340	941	
2/6/2016	554	494	1048	
2/7/2016	601	340	941	
2/8/2016	221	351	572	
2/9/2016	120	522	642	
2/10/2016	714	640	1354	
2/11/2016	613	462	1075	
2/12/2016	446	281	727	
2/13/2016	683	441	1124	
2/14/2016	677	603	1280	
2/15/2016	501	437	938	
2/16/2016	635	630	1265	
2/17/2016	510	626	1136	
2/18/2016	481	621	1102	
2/19/2016	725	644	1369	
2/20/2016	717	637	1354	
2/21/2016	563	625	1188	
2/22/2016	401	639	1040	
2/23/2016	170	635	805	
2/24/2016	573	627	1200	
2/25/2016	653	636	1289	
2/26/2016	592	652	1244	
2/27/2016	1008	102	1110	
2/28/2016	424	944	1368	
2/29/2016	715	644	1359	
February Total	16,957	16,173	33,130	16.96

March Production	Kiln #3 mcf	Kiln #4 mcf	Main Gas
3/1/2016	643	555	1198
3/2/2016	635	632	1267
3/3/2016	678	596	1274
3/4/2016	702	610	1312
3/5/2016	588	560	1148
3/6/2016	566	552	1118
3/7/2016	550	503	1053
3/8/2016	674	591	1265
3/9/2016	726	603	1329
3/10/2016	708	589	1297
3/11/2016	680	557	1237
3/12/2016	526	535	1061
3/13/2016	622	550	1172
3/14/2016	623	612	1235
3/15/2016	699	602	1301
3/16/2016	50	628	678
3/17/2016	495	590	1085
3/18/2016	746	570	1316
3/19/2016	345	580	925
3/20/2016	656	609	1265
3/21/2016	492	622	1114
3/22/2016	480	451	931
3/23/2016	662	613	1275
3/24/2016	299	612	911
3/25/2016	726	625	1351
3/26/2016	400	665	1065
3/27/2016	497	585	1082
3/28/2016	766	630	1396
3/29/2016	713	382	1095
3/30/2016	739	646	1385
3/31/2016	728	690	1418
	18,414	18,145	36,559

APPENDIX C

PO0036PC5 Condition #5 and #5

Biodiesel Supply and Delivery Data

	Date Received	Clear	Bio B-99 Only Raw Tank	Red Dye Diesel Only Mobile Equipment Tank
Jan-15	1/14/2015		3,500	
	1/19/2015			7,008
	1/30/2015		6,456	
Total			9,956	7,008
Feb-15	18-Feb			3,665
	27-Feb		5,953	
Total			5,953	3,665
Mar-15	17-Mar	699		5,967
	27-Mar		6,429	
Total			6,429	5,967
Apr-15	2-Apr			5,960
	24-Apr		6,248	
	30-Apr			6,000
Total			6,248	11,960
May-15				
Total				
Jun-15	25-Jun		6,300	
Total			6,300	
Jul-15	1-Jul			7,107
	16-Jul			2,565
Total				9,672
Aug-15	5-Aug		5,825	5,030
Total			5,828	5,030
Sep-15	9-Sep			4,722
	10-Sep		5,619	
Total			5,619	4,722
Oct-15				
	7-Oct			3,791
	13-Oct		6,422	
	29-Oct		4,948	4,948
Total			6,422	8,739
Nov-15	11-Nov		6,442	
Total			6,442	
Dec-15	2-Dec		6,436	
	9-Dec			4,964
Total	23-Dec	5,941	12,377	4,964
	Yearly Total	Biodiesel	71,574	
	Yearly Total	Red diesel	61,727	From June 1,2009
	Yearly Total	Clear	699	

Biodiesel Certificate of Analysis

FM.LAB.001a Biodiesel Certificate of Analysis-REG 20140414

BQ-9000 Producer

Lot Number:	710-90001-150429-T2	**Product Type:**	REG-9000/1
Inlet Seal Number:	1100108	**OS:**	D

ASTM D6751 Analysis of REG-9000® Biodiesel

Property	Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:	-1.5 *(29)*	Report	Report	**°C** *(°F)*	D7397
Free Glycerin:	0.007	0.020, max	0.014	**% mass**	D6584
Total Glycerin:	0.051	0.240, max	0.16	**% mass**	D6584
Monoglycerides[1]:	0.168	N/A	0.40, max	**% mass**	D6584
Diglycerides[1]:	0.004	N/A	0.20, max	**% mass**	D6584
Triglycerides[1]:	0.000	N/A	0.15, max	**% mass**	D6584
Water & Sediment:	0.000	0.050, max	0.01	**% volume**	D2709
Acid Number:	0.22	0.50, max	0.40	**mg KOH/g**	D664
Visual Inspection[1]:	1 @ 70°F	N/A	1	**Haze rating**	D4176, Procedure 2
Relative Density at 60°F[1]:	0.8830	N/A	0.87 – 0.89	**N/A**	D1298
Oxidation Stability (110 °C):	8.7	3, min	6.0	**hrs**	*EN 15751*
Flash point (closed cup):	177.0	93, min	93	**°C**	D93
Alcohol Control — **Option 1: Methanol**	N/A	0.2, max	0.2	**% mass**	*EN 14110*
Alcohol Control — **Option 2: Flashpoint**	177.0	130, min	130	**°C**	D93
Moisture[1]:	0.008	N/A	0.040, max	**% mass**	E203
Cold Soak Filtration:	105	360	200	**seconds**	D7501
Sulfur:	0.3	15	15	**ppm (mg/kg)**	D7039
Sodium & Potassium Combined:	0.0 *	5, max	1.5	**ppm (mg/kg)**	*EN 14538*
Calcium & Magnesium Combined:	0.6 *	5, max	1.5	**ppm (mg/kg)**	*EN 14538*
Total Contamination[1]:	1.8 *	N/A	15,max	**mg/L**	D7321
Ester Content[1]:	99.2 *	N/A	97, min	**% mass**	*EN 14103*
Phosphorus:	0.0000 *	0.001, max	0.001	**% mass**	D4951
Carbon Residue:	0.000 *	0.050, max	0.050	**% mass**	D4530
Sulfated Ash:	0.003 *	0.020, max	0.020	**% mass**	D874
Kinematic Viscosity at 40 °C:	4.078 *	1.9-6.0	3.8 – 5.0	**$mm^2/sec.$**	D445
Copper Corrosion (3 hrs at 50 °C):	1a *	No. 3, max	No. 1a	**N/A**	D130
Distillation at 90% Recovered:	352 *	360, max	360	**°C**	D1160
Cetane Number:	49.3 *	47, min	47	**N/A**	D613

[1] These tests are not ASTM D6751 specification requirements.

* This value is the most recently acquired result for this product from this plant. This test is performed periodically.

Prepared by: Andrea Anderson (Name) Lab Technician (Title) REG Albert Lea, LLC (Location) 4/30/2015 (Date)

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8686 with any questions or comments about this product.

REG Marketing & Logistics Group, LLC

Biodiesel Tank Report

Reference Number: 326-90005-150724-T18	**Report Date:** July 24, 2015
Product Type: B99.9	**Maxum**

ASTM D6751 Biodiesel Report

Test Parameter		Result[1]	ASTM Limit	Units	Test Method (current revision)
Cloud point:		**6.4°C** *(43.5°F)*	Report	°C	D2500
Free Glycerin:		0.016	0.020, max	**% mass**	D6584
Total Glycerin:		0.085	0.240, max	**% mass**	D6584
Monoglycerides:		0.266	N/A	**% mass**	D6584
Diglycerides:		0.000	N/A	**% mass**	D6584
Triglycerides:		0.000	N/A	**% mass**	D6584
Water & Sediment:		0.000	0.050, max	**% volume**	D2709
Acid Number:		0.17	0.50, max	**mg KOH/g**	D664
Relative Density @ 60°F:		0.8794	N/A	**N/A**	D1298
Visual Inspection:		1 @ 70°F	N/A	**Haze rating**	D4176, Procedure 2
Oxidation Stability (110 °C):		7.4	3, min	**hrs**	*EN 15751*
Flash point (closed cup):		> 150	93, min	**°C**	D93
Alcohol Control	Methanol Content	n/a	0.2, max	**% volume**	*EN 14110*
	Flashpoint	> 150	130, min	**°C**	D93
Moisture:		0.013	N/A	**% mass**	E203
Cold Soak Filtration:		142	360	**seconds**	D7501
Sulfur:		3.5	15	**ppm**	D5453
Sodium & Potassium Combined:		< 1.0	5, max	**ppm (µg/g)**	*EN 14538*
Calcium & Magnesium Combined:		< 1.0	5, max	**ppm (µg/g)**	*EN 14538*
Phosphorus:		<0.001	0.001, max	**% mass**	D4951
Carbon Residue:		<0.020	0.050, max	**% mass**	D4530
Sulfated Ash:		<0.010	0.020, max	**% mass**	D874
Kinematic Viscosity at 40 °C:		4.3	1.9-6.0	**mm^2/sec.**	D445
Copper Corrosion (3 hrs at 50 °C):		1A	No. 3, max	**N/A**	D130
Distillation at 90% Recovered:		352	360, max	**°C**	D1160
Cetane Number:		53.5	47, min	**N/A**	D613

[1] Unless otherwise specified, each value is a weighted average of the values reported for the fuel in the tank

** This value is an actual test result from a representative sample from this tank

*** This value is the least favorable result from the commingled blend

Prepared by: Kelsey L. Erickson (Name) | REG Ames (Location) | July 24, 2015 (Date)

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8686 with any questions or comments about this product.

Biodiesel Certificate of Analysis

FM LAB.001a Biodiesel Certificate of Analysis-REG 20140414

BQ-9000 Producer

Lot Number:	716-90001-150815-T1051	**Product Type:**	REG-9000/1
Inlet Seal Number:	327616	**OS:**	E

ASTM D6751 Analysis of REG-9000® Biodiesel

Property		Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:		-3.3 (26.1)	Report	Report	°C (°F)	D7397
Free Glycerin:		0.010	0.020, max	0.014	% mass	D6584
Total Glycerin:		0.053	0.240, max	0.16	% mass	D6584
Monoglycerides[1]:		0.169	N/A	0.40, max	% mass	D6584
Diglycerides[1]:		0.000	N/A	0.20, max	% mass	D6584
Triglycerides[1]:		0.000	N/A	0.15, max	% mass	D6584
Water & Sediment:		0.000	0.050, max	0.01	% volume	D2709
Acid Number:		0.21	0.50, max	0.40	mg KOH/g	D664
Visual Inspection[1]:		1 @ 78.4°F	N/A	1	Haze rating	D4176, Procedure 2
Relative Density at 60°F[1]:		0.8840	N/A	0.87 – 0.89	N/A	D1298
Oxidation Stability (110 °C):		15.0	3, min	6.0	hrs	*EN 15751*
Flash point (closed cup):		181.0	93, min	93	°C	D93
Alcohol Control	Option 1: Methanol	0	0.2, max	0.2	% mass	*EN 14110*
	Option 2: Flashpoint	181	130, min	130	°C	D93
Moisture[1]:		0.010	N/A	0.040, max	% mass	D6304
Cold Soak Filtration:		88	360	200	seconds	D7501
Sulfur:		1.5	15	15	ppm (mg/kg)	D7039
Sodium & Potassium Combined:		0.0 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Calcium & Magnesium Combined:		0.0 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Total Contamination[1]:		0.2 *	N/A	15,max	mg/L	D7321
Ester Content[1]:		98.4 *	N/A	97, min	% mass	*EN 14103*
Phosphorus:		0.0000 *	0.001, max	0.001	% mass	D4951
Carbon Residue:		0.005 *	0.050, max	0.050	% mass	D4530
Sulfated Ash:		0.000 *	0.020, max	0.020	% mass	D874
Kinematic Viscosity at 40 °C:		4.082 *	1.9-6.0	3.8 – 5.0	$mm^2/sec.$	D445
Copper Corrosion (3 hrs at 50 °C):		1a *	No. 3, max	No. 1a	N/A	D130
Distillation at 90% Recovered:		350 *	360, max	360	°C	D1160
Cetane Number:		50.5 *	47, min	47	N/A	D613

[1] These tests are not ASTM D6751 specification requirements.

* This value is the most recently acquired result for this product from this plant. This test is performed periodically.

Prepared by: Jameson Deckard — Lab/Quality Coordinator — REG Mason City, LLC — 8/18/15

Name — Title — Location — Date

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8686 with any questions or comments about this product.

REG Marketing & Logistics Group, LLC

Biodiesel Tank Report

Reference Number: 326-90005-150909-T18	**Report Date:** September 9, 2015
Product Type: B99.9	**Maxum**

ASTM D6751 Biodiesel Report

Test Parameter		Result[1]	ASTM Limit	Units	Test Method (current revision)
Cloud point:		**0.1C** *(32.2°F)*	Report	°C	D2500
Free Glycerin:		0.010	0.020, max	**% mass**	D6584
Total Glycerin		0.067	0.240, max	**% mass**	D6584
Monoglycerides:		0.222	N/A	**% mass**	D6584
Diglycerides:		0.002	N/A	**% mass**	D6584
Triglycerides:		0.000	N/A	**% mass**	D6584
Water & Sediment:		0.000	0.050, max	**% volume**	D2709
Acid Number:		0.24	0.50, max	**mg KOH/g**	D664
Relative Density @ 60°F:		0.8821	N/A	**N/A**	D1298
Visual Inspection:		1 @ 70°F	N/A	**Haze rating**	D4176, Procedure 2
Oxidation Stability (110 °C):		9.9	3, min	**hrs**	*EN 15751*
Flash point (closed cup):		> 150	93, min	°C	D93
Alcohol Control	Methanol Content	n/a	0.2, max	**% volume**	*EN 14110*
	Flashpoint	> 150	130, min	°C	D93
Moisture:		0.022	N/A	**% mass**	E203
Cold Soak Filtration:		105	360	**seconds**	D7501
Sulfur:		3.3	15	**ppm**	D5453
Sodium & Potassium Combined:		< 1.0	5, max	**ppm (µg/g)**	*EN 14538*
Calcium & Magnesium Combined:		< 1.0	5, max	**ppm (µg/g)**	*EN 14538*
Phosphorus:		<0.001	0.001, max	**% mass**	D4951
Carbon Residue:		<0.020	0.050, max	**% mass**	D4530
Sulfated Ash:		<0.010	0.020, max	**% mass**	D874
Kinematic Viscosity at 40 °C:		4.2	1.9-6.0	**mm^2/sec.**	D445
Copper Corrosion (3 hrs at 50 °C):		1A	No. 3, max	**N/A**	D130
Distillation at 90% Recovered:		351	360, max	°C	D1160
Cetane Number:		52.7	47, min	**N/A**	D613

[1] Unless otherwise specified, each value is a weighted average of the values reported for the fuel in the tank

** This value is an actual test result from a representative sample from this tank

*** This value is the least favorable result from the commingled blend

Prepared by: Kelsey L. Erickson (Name) | REG Ames (Location) | September 9, 2015 (Date)

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8686 with any questions or comments about this product.

Certificate of Analysis

Production Lot	Sampled	Tank Park	Volume
276	11/5/15 11:30 PM	Tank 3	19103 [gal]

New Leaf BIOFUEL

2285 Newton Ave
San Diego, CA 92113
Phone: 619-236-8500
Fax: 619-236-8585

"We make it easy to be Green"

Free Glycerin

Authority	Test Method	Specification [(wt / wt) x 100]	Limit	Result [(wt / wt) x 100]	Status
AOCS	Ck2-09	0.02	MAX	0.005	PASS

Total Glycerin

Authority	Test Method	Specification [(wt / wt) x 100]	Limit	Result [(wt / wt) x 100]	Status
AOCS	Ck2-09	0.24	MAX	0.174	PASS

Water and Sediment

Authority	Test Method	Specification [(v / v) x 100]	Limit	Result [(v / v) x 100]	Status
ASTM	D2709-96(2011)e1	0.05	MAX	0.0	PASS

Cloud Point

Authority	Test Method	Specification [°C]	Limit	Result [°C]	Status
ASTM	D2500-11	N / A	REPORT	5.0	N / A

Acid Number

Authority	Test Method	Specification [(mg KOH)/ g]	Limit	Result [(mg KOH)/ g]	Status
ASTM	D664-11a	0.5	MAX	0.390	PASS

Flash Point

Authority	Test Method	Specification [°C]	Limit	Result [°C]	Status
ASTM	D93-13e1	130	MIN	161	PASS

Visual Appearance

Authority	Test Method	Specification [1:6]	Limit	Result [1:6]	Status
ASTM	D4176-04(2009)	2	MAX	1A	PASS

Methanol Content (+)

Authority	Test Method	Specification [(wt / wt) x 100]	Limit	Result [(wt / wt) x 100]	Status
EN	14110-2003	0.2	MAX	N / A	N / A

Sulfur (AV)

Authority	Test Method	Specification [ppm]	Limit	Result [ppm]	Status
ASTM	D7039-13	15	MAX	10.3	PASS

Oxidation Stability

Authority	Test Method	Specification [hours]	Limit	Result [hours]	Status
EN	15751-2009	3	MIN	7.5	PASS

Moisture

Authority	Test Method	Specification [(wt / wt) x 100]	Limit	Result [(wt / wt) x 100]	Status
ASTM	D6304-07	N / A	N / A	0.0240	N/A

Cold Soak Filtration

Authority	Test Method	Specification [seconds]	Limit	Result [seconds]	Status
ASTM	D7501-12a	360	MAX	118	PASS

(+) Tests performed by a hired external contractor , may be average of previous results
(+) Flash point must be above 93 °C. If below 130 °C then Methanol content must be tested.
(AV) Average of previous results

Certified by: x Rogelio Herrera 11/07/15
Rogelio Herrera

This Volume of Fuel has been Sampled in Accordance with ASTM D4057-06(11) and Certified in Accordance with ASTM D6751-12.

Certificate of Analysis

Production Lot	Sampled	Tank Park	Volume
276	11/5/15 11:30 PM	Tank 3	19103 [gal]

2285 Newton Ave
San Diego, CA 92113
Phone: 619-236-8500
Fax: 619-236-8585

"We make it easy to be Green"

Copper Strip Corrosion (*)

Test Method Authority	Test Method Method	Specification	Limit	Result	Status
ASTM	D130-10	3	MAX	1A	PASS

Kinematic Viscosity (*)

Test Method Authority	Test Method Method	Specification [mm^2/s]	Limit	Result [mm^2/s]	Status
ASTM	D445-12	1.9 - 6.0	RANGE	4.667	PASS

Sulfated Ash Content (*)

Test Method Authority	Test Method Method	Specification [(wt / wt) x 100]	Limit	Result [(wt / wt) x 100]	Status
ASTM	D874-07	0.02	MAX	< 0.005	PASS

Cetane Number (*)

Test Method Authority	Test Method Method	Specification	Limit	Result	Status
ASTM	D6890-13a	47	MIN	54.0	PASS

Phosphorus (*)

Test Method Authority	Test Method Method	Specification [(wt / wt) x 100]	Limit	Result [(wt / wt) x 100]	Status
ASTM	D4951-09	0.001	MAX	< 0.0001	N / A

Distillation Temperature - AET 90 [%] (*)

Test Method Authority	Test Method Method	Specification [°C]	Limit	Result [°C]	Status
ASTM	D1160-06	360	MAX	354	PASS

Calcium & Magnesium (*)

Test Method Authority	Test Method Method	Specification [ppm]	Limit	Result [ppm]	Status
EN	14538-2006	5	MAX	< 2	PASS

Potassium & Sodium (*)

Test Method Authority	Test Method Method	Specification [ppm]	Limit	Result [ppm]	Status
EN	14538-2006	5	MAX	< 2	PASS

Carbon Residue (*)

Test Method Authority	Test Method Method	Specification [(wt / wt) x 100]	Limit	Result [(wt / wt) x 100]	Status
ASTM	D4530-11	0.05	MAX	0.006	PASS

(*) Tests performed by a hired external contractor , may be average of previous results
(+) Flash point must be above 93 °C , if below 130 °C then Methanol content must be tested.
(AV) Average of previous results

Certified by: x Rogelio Herrera 11/07/15
Rogelio Herrera

This Volume of Fuel has been Sampled in Accordance with ASTM D4057-06(11) and Certified in Accordance with ASTM D6751-12.

Biodiesel Certificate of Analysis

FM.LAB.001a Biodiesel Certificate of Analysis-REG 20151130

BQ-9000 Producer

Lot Number:	710-90001-160201-T3	**Product Type:**	REG-9000/1
Inlet Seal Number:	1100275	**OS:**	E

ASTM D6751 Analysis of REG-9000® Biodiesel

Property		Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:		-2.0 *(28)*	Report	Report	°C *(°F)*	D7397
Free Glycerin:		0.006	0.020, max	0.014	% mass	D6584
Total Glycerin:		0.078	0.240, max	0.16	% mass	D6584
Monoglycerides[1]:		0.274	N/A	0.40, max	% mass	D6584
Diglycerides[1]:		0.000	N/A	0.20, max	% mass	D6584
Triglycerides[1]:		0.000	N/A	0.20, max	% mass	D6584
Water & Sediment:		0.000	0.050, max	0.01	% volume	D2709
Acid Number:		0.22	0.50, max	0.40	mg KOH/g	D664
Visual Inspection[1]:		1 @ 70°F	N/A	1	Haze rating	D4176, Procedure 2
Relative Density at 60°F[1]:		0.8840	N/A	0.87 – 0.89	N/A	D1298
Oxidation Stability (110 °C):		12.7	3, min	6.0	hrs	*EN 15751*
Flash point (closed cup):		179.0	93, min	93	°C	D93
Alcohol Control	Option 1: Methanol	N/A	0.2, max	0.2	% mass	*EN 14110*
	Option 2: Flashpoint	179.0	130, min	130	°C	D93
Moisture[1]:		0.006	N/A	0.040, max	% mass	E203
Cold Soak Filtration:		91	360	200	seconds	D7501
Sulfur:		2.6	15	15	ppm (mg/kg)	D7039
Sodium & Potassium Combined:		0.0 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Calcium & Magnesium Combined:		0.0 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Total Contamination[1]:		1.8 *	N/A	15,max	mg/L	D7321
Ester Content[1]:		99.2 *	N/A	97, min	% mass	*EN 14103*
Phosphorus:		0.0000 *	0.001, max	0.001	% mass	D4951
Carbon Residue:		0.000 *	0.050, max	0.050	% mass	D4530
Sulfated Ash:		0.005 *	0.020, max	0.020	% mass	D874
Kinematic Viscosity at 40 °C:		4.092 *	1.9-6.0	3.8 – 5.0	$mm^2/sec.$	D445
Copper Corrosion (3 hrs at 50 °C):		1a *	No. 3, max	No. 1a	N/A	D130
Distillation at 90% Recovered:		352 *	360, max	360	°C	D1160
Cetane Number:		49.9 *	47, min	47	N/A	D613

[1] These tests are not ASTM D6751 specification requirements.

* This value is the most recently acquired result for this product from this plant. This test is performed periodically.

Prepared by: Kim Williams Lab Coordinator REG Albert Lea, LLC 02/02/2016

Name Title Location Date

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8686 with any questions or comments about this product.

Biodiesel Certificate of Analysis

FM.LAB.001a Biodiesel Certificate of Analysis-REG 20151130

BQ-9000 Producer

Lot Number:	716-90001-160325-T1051	Product Type:	REG-9000/1
Inlet Seal Number:	3254271	OS:	E

ASTM D6751 Analysis of REG-9000® Biodiesel

Property		Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:		-0.6 (31)	Report	Report	°C (°F)	D7397
Free Glycerin:		0.013	0.020, max	0.014	% mass	D6584
Total Glycerin:		0.043	0.240, max	0.16	% mass	D6584
Monoglycerides[1]:		0.097	N/A	0.40, max	% mass	D6584
Diglycerides[1]:		0.000	N/A	0.20, max	% mass	D6584
Triglycerides[1]:		0.000	N/A	0.20, max	% mass	D6584
Water & Sediment:		0.000	0.050, max	0.01	% volume	D2709
Acid Number:		0.34	0.50, max	0.40	mg KOH/g	D664
Visual Inspection[1]:		1 @ 76.4°F	N/A	1	Haze rating	D4176, Procedure 2
Relative Density at 60°F[1]:		0.8830	N/A	0.87 – 0.89	N/A	D1298
Oxidation Stability (110 °C):		12.1	3, min	6.0	hrs	*EN 15751*
Flash point (closed cup):		181.0	93, min	93	°C	D93
Alcohol Control	Option 1: Methanol	0	0.2, max	0.2	% mass	*EN 14110*
	Option 2: Flashpoint	181	130, min	130	°C	D93
Moisture[1]:		0.004	N/A	0.040, max	% mass	D6304
Cold Soak Filtration:		122	360	200	seconds	D7501
Sulfur:		3.9	15	15	ppm (mg/kg)	D7039
Sodium & Potassium Combined:		0.1 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Calcium & Magnesium Combined:		0.4 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Total Contamination[1]:		10.6 *	N/A	15,max	mg/L	D7321
Ester Content[1]:		98.4 *	N/A	97, min	% mass	*EN 14103*
Phosphorus:		0.0000 *	0.001, max	0.001	% mass	D4951
Carbon Residue:		0.000 *	0.050, max	0.050	% mass	D4530
Sulfated Ash:		0.005 *	0.020, max	0.020	% mass	D874
Kinematic Viscosity at 40 °C:		4.057 *	1.9-6.0	3.8 – 5.0	$mm^2/sec.$	D445
Copper Corrosion (3 hrs at 50 °C):		1a *	No. 3, max	No. 1a	N/A	D130
Distillation at 90% Recovered:		351 *	360, max	360	°C	D1160
Cetane Number:		49.6 *	47, min	47	N/A	D613

[1] These tests are not ASTM D6751 specification requirements.

* This value is the most recently acquired result for this product from this plant. This test is performed periodically.

Prepared by: Jameson Deckard (Name) Lab/Quality Coordinator (Title) REG Mason City LLC (Location) 3/28/2016 (Date)

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8686 with any questions or comments about this product.

Biodiesel Certificate of Analysis

FM.LAB.001a Biodiesel Certificate of Analysis-REG 20151130

BQ-9000 Producer

Lot Number:	716-90001-160329-T1053	Product Type:	REG-9000/1
Inlet Seal Number:	3254256	OS:	E

ASTM D6751 Analysis of REG-9000® Biodiesel

Property		Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:		-0.7 *(31)*	Report	Report	°C *(°F)*	D7397
Free Glycerin:		0.013	0.020, max	0.014	% mass	D6584
Total Glycerin:		0.049	0.240, max	0.16	% mass	D6584
Monoglycerides[1]		0.133	N/A	0.40, max	% mass	D6584
Diglycerides[1]		0.003	N/A	0.20, max	% mass	D6584
Triglycerides[1]		0.000	N/A	0.20, max	% mass	D6584
Water & Sediment:		0.000	0.050, max	0.01	% volume	D2709
Acid Number:		0.38	0.50, max	0.40	mg KOH/g	D664
Visual Inspection[1]:		1 @ 71.4°F	N/A	1	Haze rating	D4176, Procedure 2
Relative Density at 60°F[1]:		0.8830	N/A	0.87 – 0.89	N/A	D1298
Oxidation Stability (110 °C):		12.3	3, min	6.0	hrs	*EN 15751*
Flash point (closed cup):		177.0	93, min	93	°C	D93
Alcohol Control	Option 1: Methanol	0	0.2, max	0.2	% mass	*EN 14110*
	Option 2: Flashpoint	177	130, min	130	°C	D93
Moisture[1]:		0.004	N/A	0.040, max	% mass	D6304
Cold Soak Filtration:		114	360	200	seconds	D7501
Sulfur:		3.3	15	15	ppm (mg/kg)	D7039
Sodium & Potassium Combined:		0.1 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Calcium & Magnesium Combined:		0.4 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Total Contamination[1]:		10.6 *	N/A	15,max	mg/L	D7321
Ester Content[1]:		98.4 *	N/A	97, min	% mass	*EN 14103*
Phosphorus:		0.0000 *	0.001, max	0.001	% mass	D4951
Carbon Residue:		0.000 *	0.050, max	0.050	% mass	D4530
Sulfated Ash:		0.005 *	0.020, max	0.020	% mass	D874
Kinematic Viscosity at 40 °C:		4.057 *	1.9-6.0	3.8 – 5.0	$mm^2/sec.$	D445
Copper Corrosion (3 hrs at 50 °C):		1a *	No. 3, max	No. 1a	N/A	D130
Distillation at 90% Recovered:		351 *	360, max	360	°C	D1160
Cetane Number:		49.6 *	47, min	47	N/A	D613

[1] These tests are not ASTM D6751 specification requirements.

* This value is the most recently acquired result for this product from this plant. This test is performed periodically.

Prepared by:	Jameson Deckard	Lab/Quality Coordinator	REG Mason City LLC	3/30/2016
	Name	Title	Location	Date

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8686 with any questions or comments about this product.

APPENDIX D

PO0036PC6

Finish Product Moisture Data

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

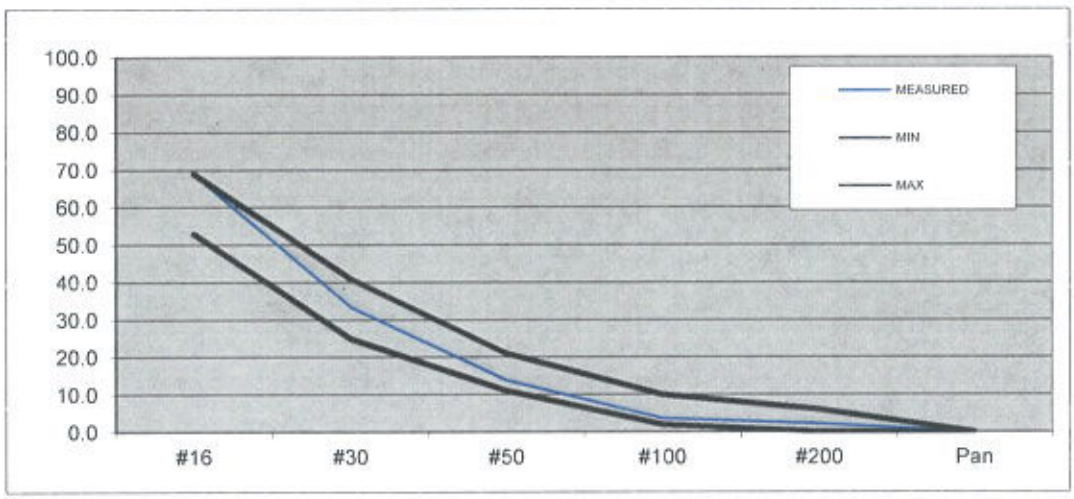
Ticket # _____

Sampler JJ

Date: 03/31/16

TIME: _____

Customer _____



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	43.0	9.1	90.9	96.0	90.0
#16	146.0	31.1	68.9	69.0	53.0
#30	313.0	66.6	33.4	41.0	25.0
#50	405.0	86.2	13.8	21.0	11.0
#100	453.0	96.4	3.6	10.0	2.0
#200	460.0	97.9	2.1	6.0	0.0
Pan	470.0	100.0	0.0	0.0	0.0

% MOISTURE 11.1

Bucket Weigh 53

Wet Weight 522

Dry Weight 470

Oven Dry B/W 46

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

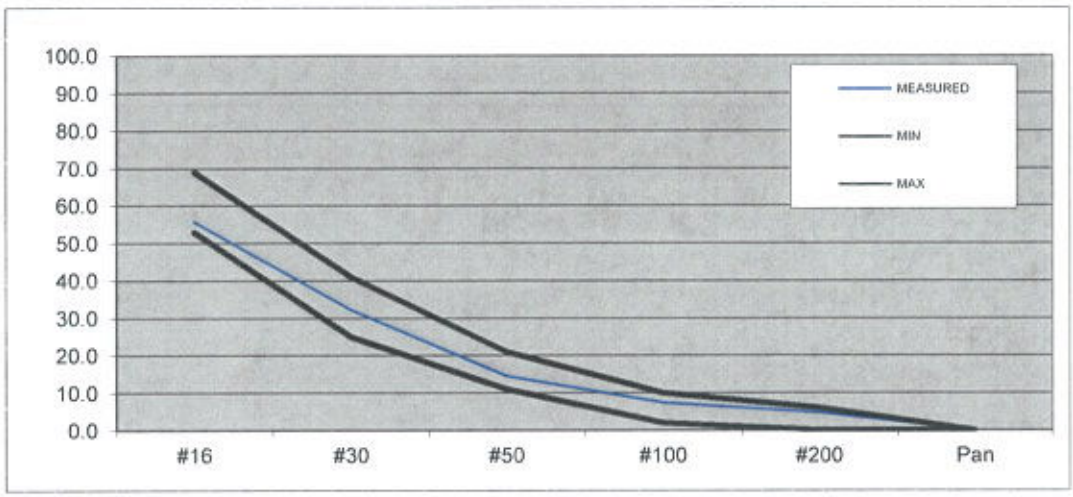
Ticket # Sample 2

Sampler JJ

Date: 02/03/16

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	34.0	7.6	92.4	96.0	90.0
#16	199.0	44.3	55.7	69.0	53.0
#30	305.0	67.9	32.1	41.0	25.0
#50	384.0	85.5	14.5	21.0	11.0
#100	416.0	92.7	7.3	10.0	2.0
#200	428.0	95.3	4.7	6.0	0.0
Pan	449.0	100.0	0.0	0.0	0.0

% MOISTURE	12.5
Bucket Weigh	55
Wet Weight	505
Dry Weight	449

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

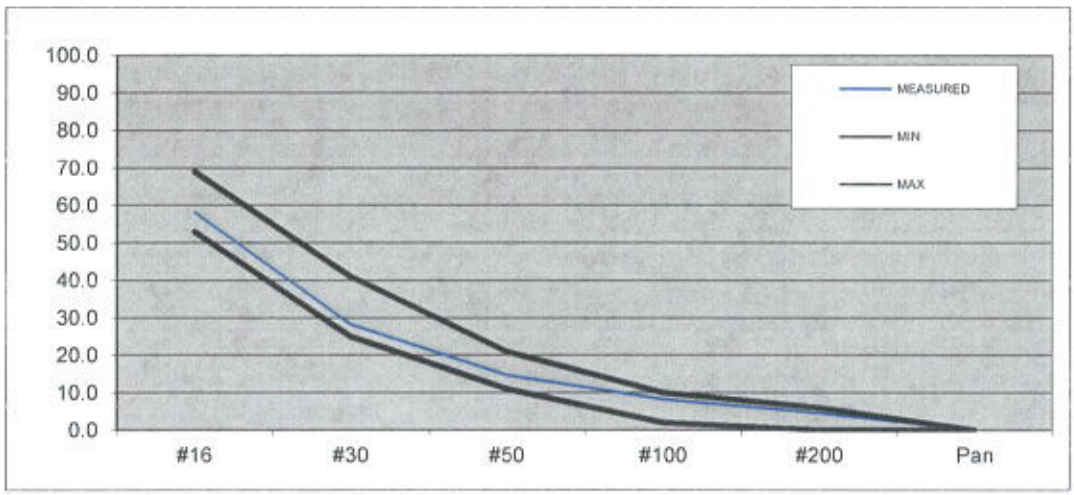
Ticket # _____

Sampler JJ

Date: 01/05/16

TIME: _____

Customer _____



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	40.0	6.7	93.3	96.0	90.0
#16	251.0	41.8	58.2	69.0	53.0
#30	431.0	71.8	28.2	41.0	25.0
#50	512.0	85.3	14.7	21.0	11.0
#100	551.0	91.8	8.2	10.0	2.0
#200	573.0	95.5	4.5	6.0	0.0
Pan	600.0	100.0	0.0	0.0	0.0

% MOISTURE	12.7		
Bucket Weigh	54	Lab B/W	54
Wet Weight	676		
Dry Weight	600	Oven Dry	50.5

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

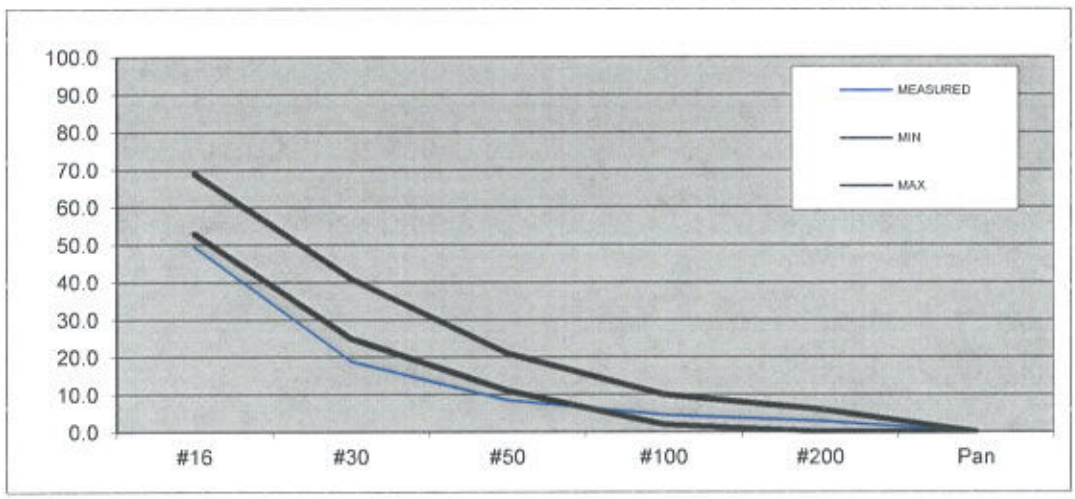
Ticket # _____

Sampler JJ

Date: 12/02/15

TIME: _____

Customer _____



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	50.0	8.4	91.6	96.0	90.0
#16	300.0	50.5	49.5	69.0	53.0
#30	482.0	81.1	18.9	41.0	25.0
#50	544.0	91.6	8.4	21.0	11.0
#100	567.0	95.5	4.5	10.0	2.0
#200	577.0	97.1	2.9	6.0	0.0
Pan	594.0	100.0	0.0	0.0	0.0

% MOISTURE	12.0
Bucket Weigh	52.6
Wet Weight	665
Dry Weight	594

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

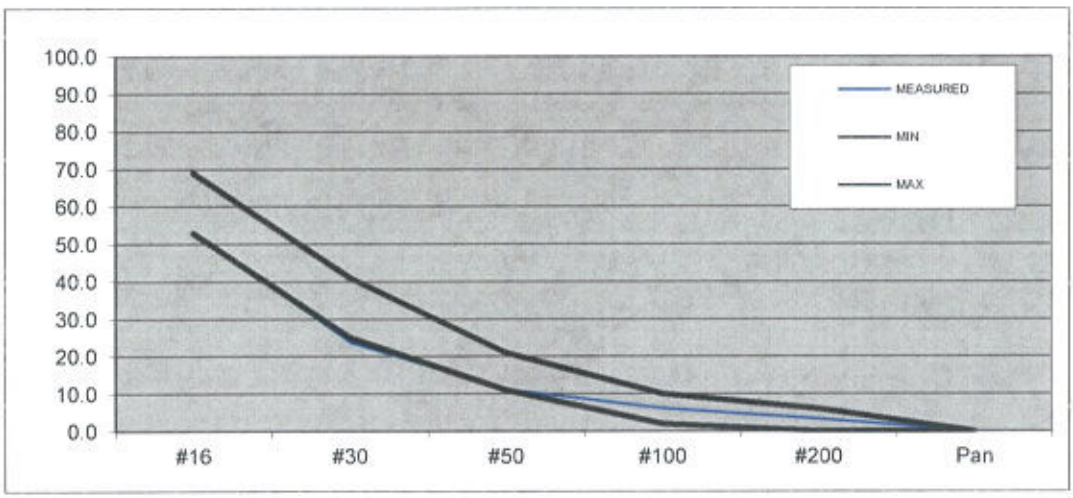
Ticket # _____

Sampler JJ

Date: 11/21/15

TIME: _____

Customer _____



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	57.0	9.3	90.7	96.0	90.0
#16	284.0	46.6	53.4	69.0	53.0
#30	465.0	76.2	23.8	41.0	25.0
#50	542.0	88.9	11.1	21.0	11.0
#100	573.0	93.9	6.1	10.0	2.0
#200	590.0	96.7	3.3	6.0	0.0
Pan	610.0	100.0	0.0	0.0	0.0

% MOISTURE	12.3

Bucket Weigh	56.2
Wet Weight	685
Dry Weight	610

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

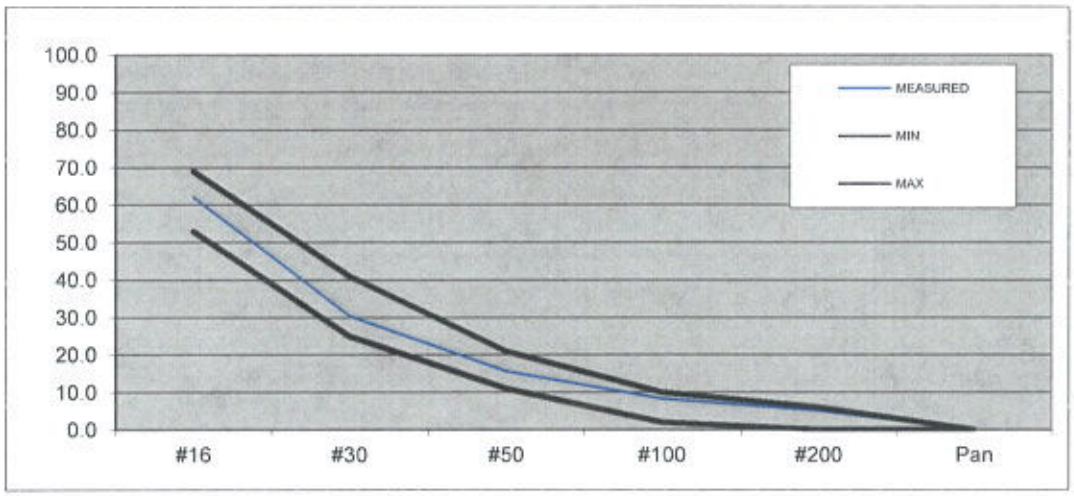
Ticket # _____

Sampler JJ

Date: 10/14/15

TIME: _____

Customer _____



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	23.0	4.0	96.0	96.0	90.0
#16	219.0	38.0	62.0	69.0	53.0
#30	402.0	69.7	30.3	41.0	25.0
#50	487.0	84.4	15.6	21.0	11.0
#100	529.0	91.7	8.3	10.0	2.0
#200	548.0	95.0	5.0	6.0	0.0
Pan	577.0	100.0	0.0	0.0	0.0

% MOISTURE 12.1

Bucket Weigh 56

Wet Weight 647

Dry Weight 577

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

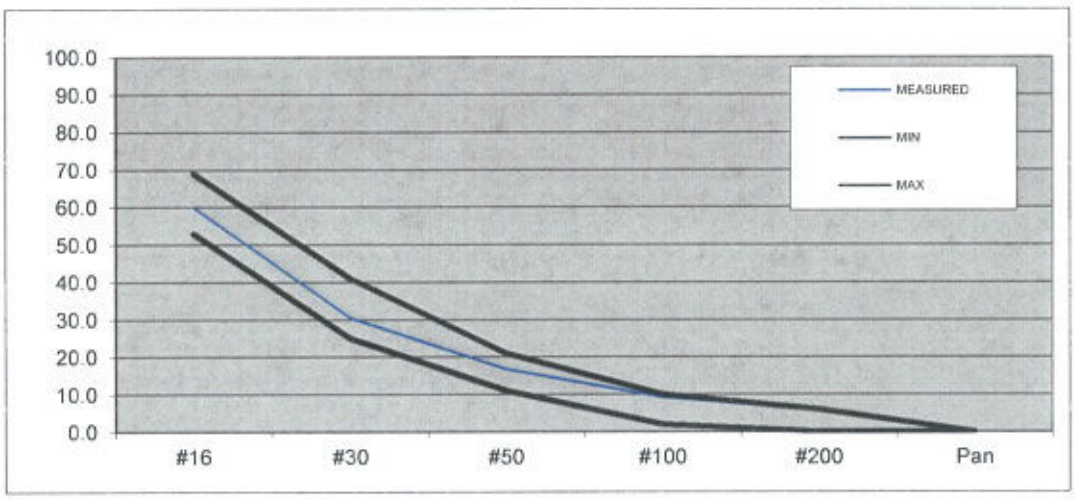
Ticket # _____

Sampler JJ

Date: 09/22/15

TIME: _____

Customer _____



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	45.0	7.3	92.7	96.0	90.0
#16	247.0	40.0	60.0	69.0	53.0
#30	430.0	69.6	30.4	41.0	25.0
#50	515.0	83.3	16.7	21.0	11.0
#100	561.0	90.8	9.2	10.0	2.0
#200	582.0	94.2	5.8	6.0	0.0
Pan	618.0	100.0	0.0	0.0	0.0

% MOISTURE 10.4

Bucket Weigh 57.8

Wet Weight 682

Dry Weight 618

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

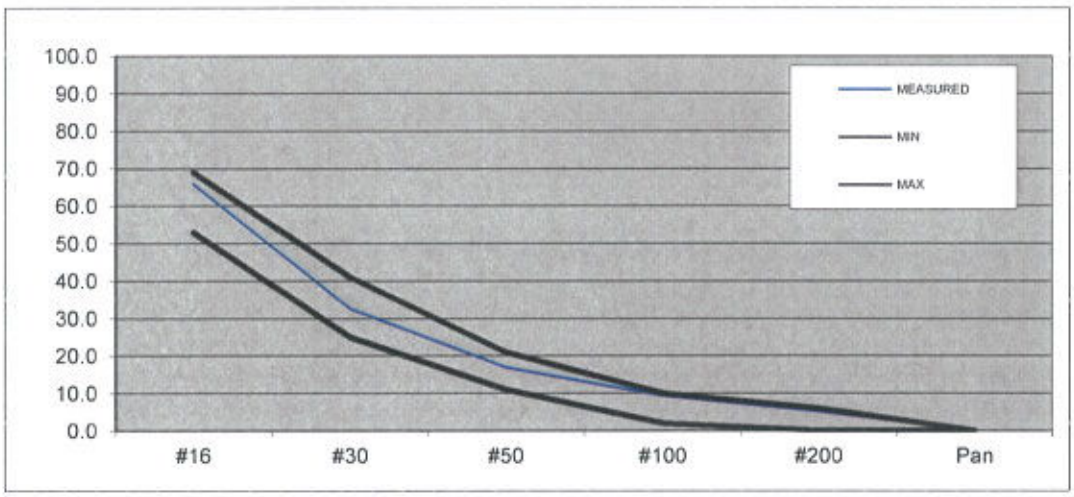
Ticket # _____

Sampler JJ

Date: 08/28/15

TIME: _____

Customer Custom



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	17.0	2.9	97.1	96.0	90.0
#16	198.0	34.1	65.9	69.0	53.0
#30	392.0	67.5	32.5	41.0	25.0
#50	483.0	83.1	16.9	21.0	11.0
#100	527.0	90.7	9.3	10.0	2.0
#200	551.0	94.8	5.2	6.0	0.0
Pan	581.0	100.0	0.0	0.0	0.0

% MOISTURE	12.2

Bucket Weigh	56
Wet Weight	652
Dry Weight	581

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

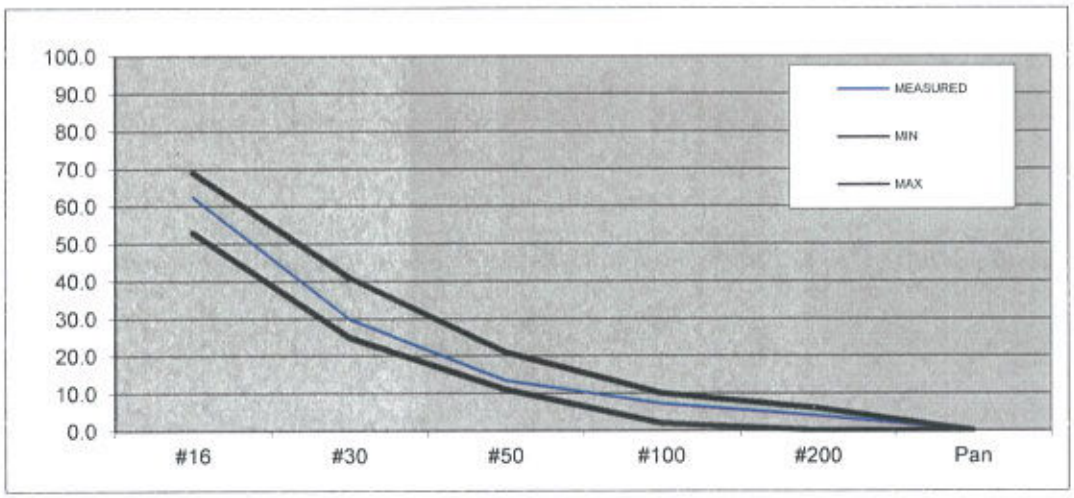
Ticket # Title 5

Sampler JJ

Date: 07/23/15

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	24.0	4.3	95.7	96.0	90.0
#16	210.0	37.6	62.4	69.0	53.0
#30	392.0	70.1	29.9	41.0	25.0
#50	484.0	86.6	13.4	21.0	11.0
#100	519.0	92.8	7.2	10.0	2.0
#200	537.0	96.1	3.9	6.0	0.0
Pan	559.0	100.0	0.0	0.0	0.0

% MOISTURE	12.2
Bucket Weigh	54.2
Wet Weight	627
Dry Weight	559

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

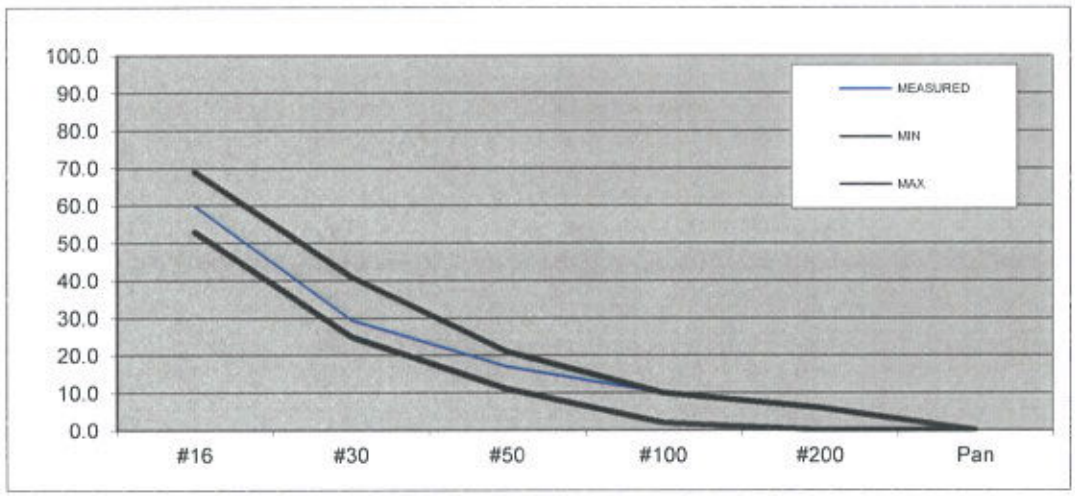
Ticket # Title 5

Sampler JJ

Date: 06/08/15

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	32.0	5.4	94.6	96.0	90.0
#16	239.0	40.2	59.8	69.0	53.0
#30	420.0	70.6	29.4	41.0	25.0
#50	494.0	83.0	17.0	21.0	11.0
#100	536.0	90.1	9.9	10.0	2.0
#200	560.0	94.1	5.9	6.0	0.0
Pan	595.0	100.0	0.0	0.0	0.0

% MOISTURE	11.8
Bucket Weigh	55.4
Wet Weight	665
Dry Weight	595

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

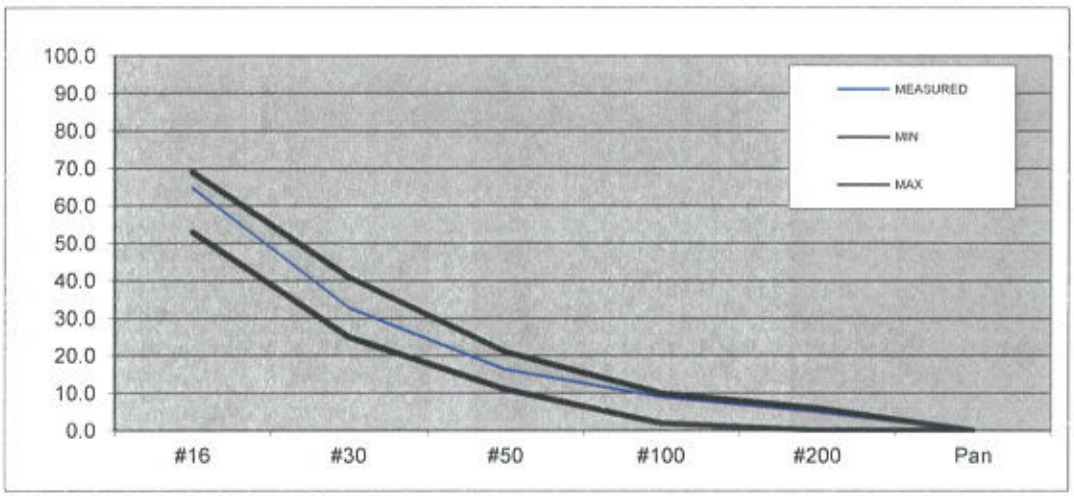
Ticket # Title 5

Sampler JJ

Date: 05/18/15

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	20.0	3.4	96.6	96.0	90.0
#16	205.0	35.2	64.8	69.0	53.0
#30	392.0	67.2	32.8	41.0	25.0
#50	488.0	83.7	16.3	21.0	11.0
#100	531.0	91.1	8.9	10.0	2.0
#200	554.0	95.0	5.0	6.0	0.0
Pan	583.0	100.0	0.0	0.0	0.0

% MOISTURE	15.3			
Bucket Weigh	55	Lab B/W	55	HS
Wet Weight	672			
Dry Weight	583			

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

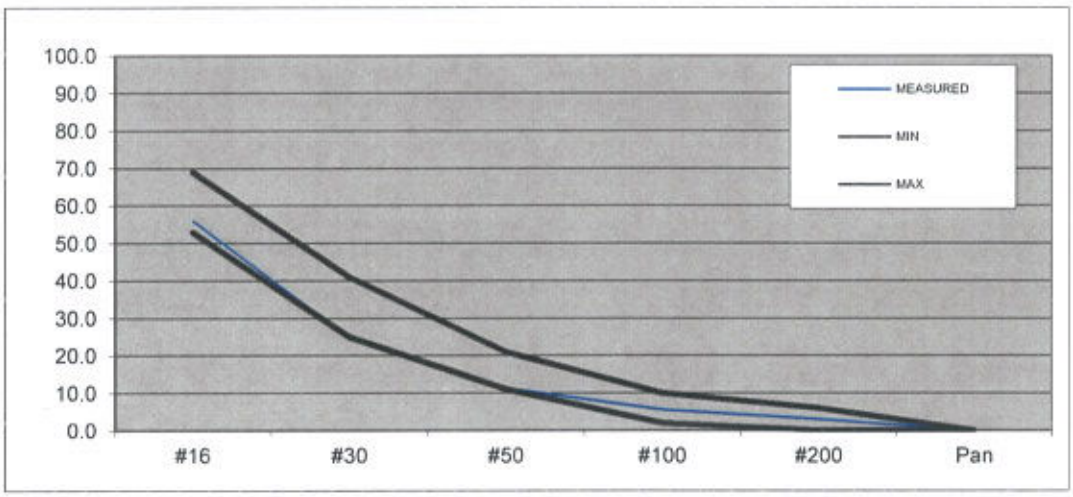
Ticket # Title 5

Sampler JJ

Date: 04/03/15

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	50.0	8.5	91.5	96.0	90.0
#16	259.0	44.0	56.0	69.0	53.0
#30	443.0	75.2	24.8	41.0	25.0
#50	522.0	88.6	11.4	21.0	11.0
#100	556.0	94.4	5.6	10.0	2.0
#200	571.0	96.9	3.1	6.0	0.0
Pan	589.0	100.0	0.0	0.0	0.0

% MOISTURE 12.1

Bucket Weigh 55.4

Wet Weight 660

Dry Weight 589

Lab B/W

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

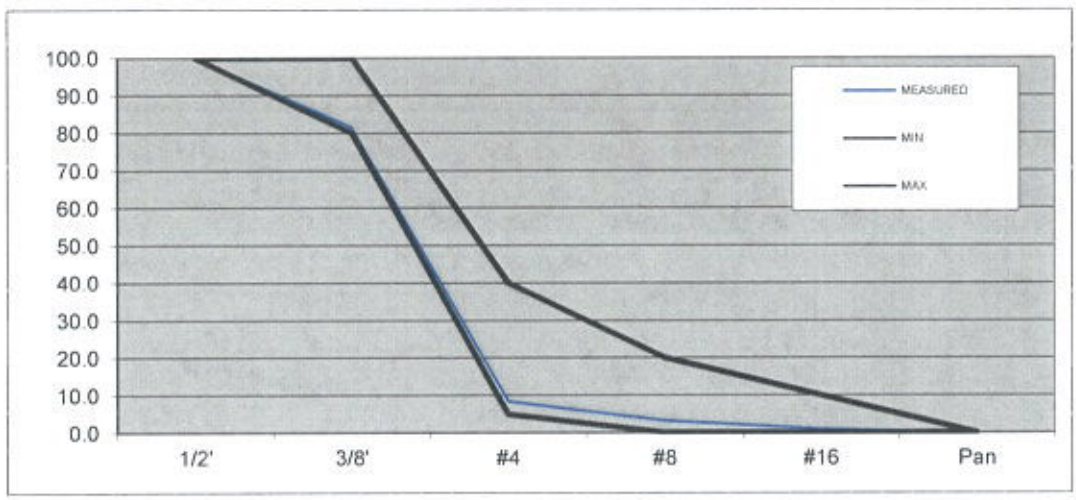
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 03/07/16

Time 10:40

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	110.0	18.5	81.5	80.0	100.0
#4	545.0	91.6	8.4	5.0	40.0
#8	576.0	96.8	3.2	0.0	20.0
#16	590.0	99.2	0.8	0.0	10.0
Pan	595.0	100.0	0.0	0.0	0.0

% MOISTURE	21.0				
Gross Wiegh	1699		Tare Wieght	1395	Sp. Gravity 1.73
Bucket Weigh	52.5		Lab B/W		
Wet Weight	720				
Dry Weight	595				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

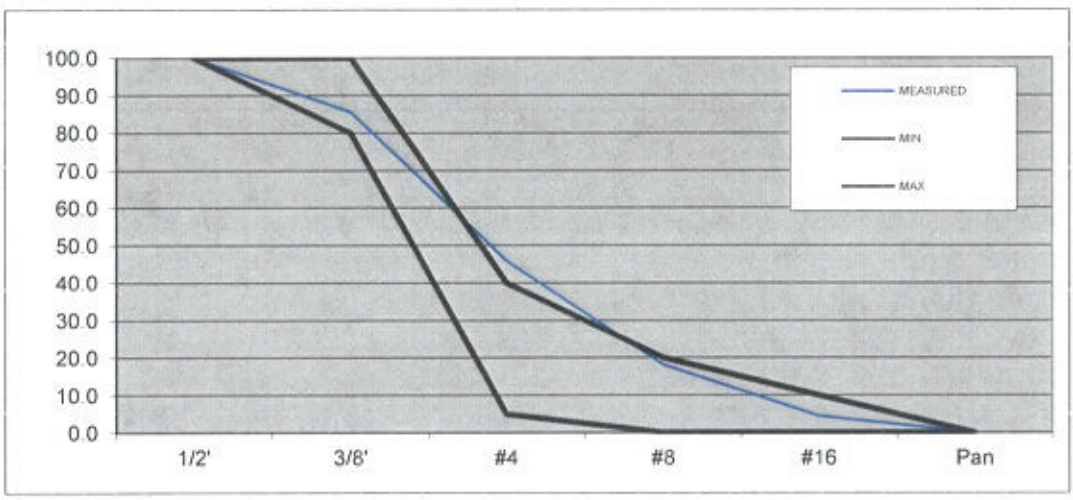
Ticket # Feed going In Power screen

Sampler JJ

Date: 03/08/16

Time 10:45

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	90.0	14.3	85.7	80.0	100.0
#4	340.0	54.1	45.9	5.0	40.0
#8	514.0	81.8	18.2	0.0	20.0
#16	600.0	95.5	4.5	0.0	10.0
Pan	628.0	100.0	0.0	0.0	0.0

% MOISTURE	20.4				
Gross Weigh	1732	Tare Wieght	1395	Sp. Gravity	1.80
Bucket Weigh	60	Lab B/W			
Wet Weight	756				
Dry Weight	628				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

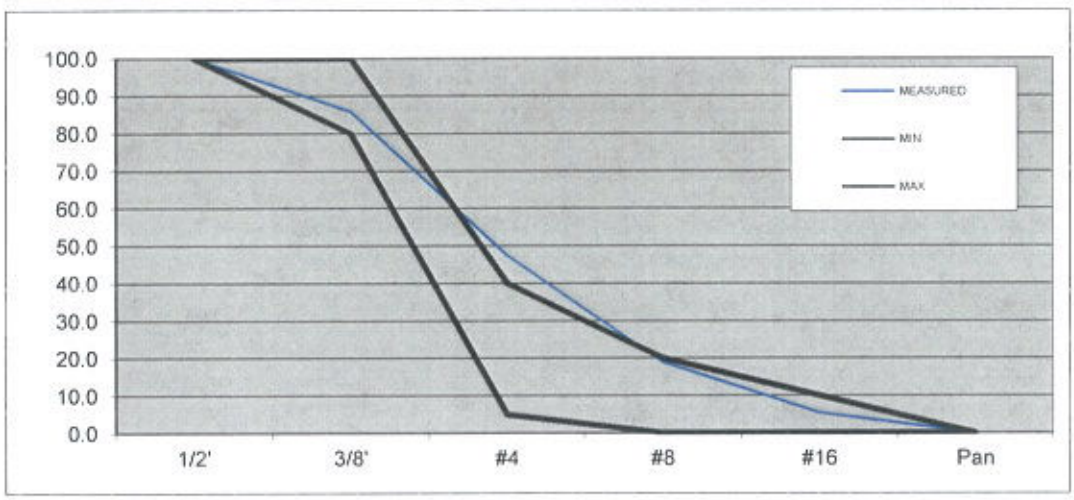
Ticket # Feed going In Power screen

Sampler JJ

Date: 02/18/16

Time 11:43

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	89.0	14.1	85.9	80.0	100.0
#4	331.0	52.5	47.5	5.0	40.0
#8	511.0	81.1	18.9	0.0	20.0
#16	596.0	94.6	5.4	0.0	10.0
Pan	630.0	100.0	0.0	0.0	0.0

% MOISTURE	22.2				
Gross Wiegh	1736	Tare Wieght	1395	Sp. Gravity	1.79
Bucket Weigh	60	Lab B/W	55	HS	
Wet Weight	770				
Dry Weight	630				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

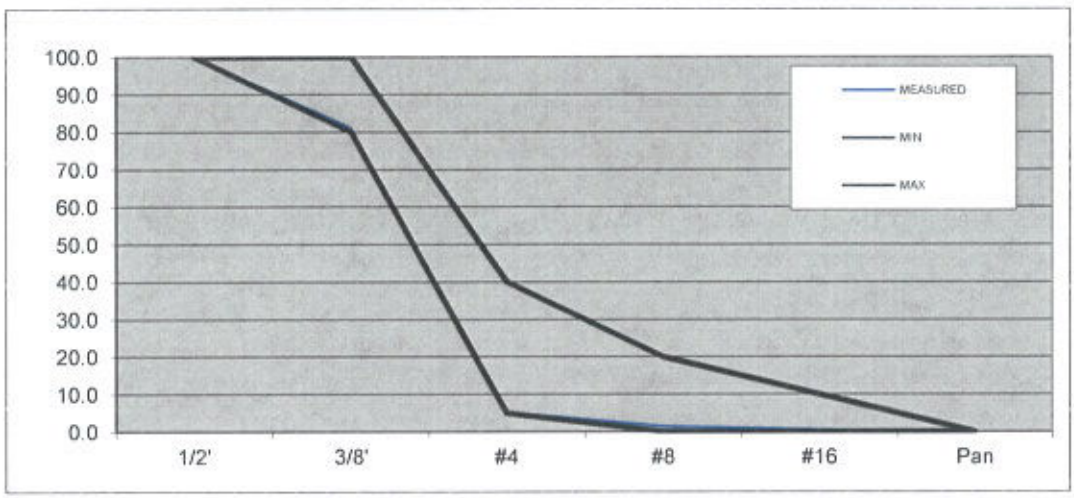
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 02/18/16

Time 11:43

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	113.0	19.0	81.0	80.0	100.0
#4	565.0	94.8	5.2	5.0	40.0
#8	588.0	98.7	1.3	0.0	20.0
#16	593.0	99.5	0.5	0.0	10.0
Pan	596.0	100.0	0.0	0.0	0.0

% MOISTURE	20.5				
Gross Wiegh	1698	Tare Wieght	1395	Sp. Gravity	1.73
Bucket Weigh	52.5	Lab B/W	55	HS	
Wet Weight	718				
Dry Weight	596				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

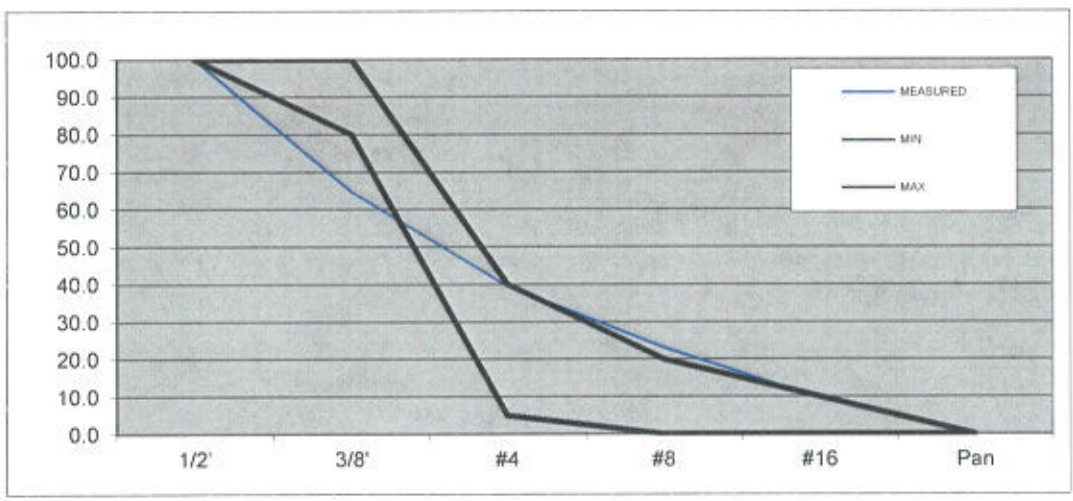
Ticket # Feed going In Power screen

Sampler JJ

Date: 01/08/16

Time 1PM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	208.0	35.3	64.7	80.0	100.0
#4	356.0	60.4	39.6	5.0	40.0
#8	453.0	76.9	23.1	0.0	20.0
#16	533.0	90.5	9.5	0.0	10.0
Pan	589.0	100.0	0.0	0.0	0.0

% MOISTURE	24.1				
Gross Wiegh	1693	Tare Wieght	1395	Sp. Gravity	1.69
Bucket Weigh	57.5	Lab B/W	55	HS	
Wet Weight	731				
Dry Weight	589				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

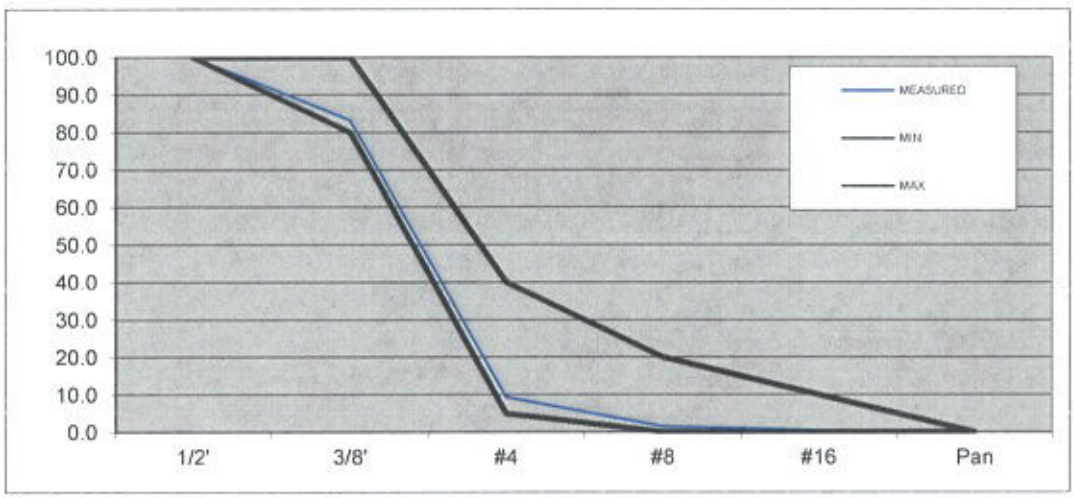
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 01/08/16

Time 1PM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	70.0	16.7	83.3	80.0	100.0
#4	380.0	90.7	9.3	5.0	40.0
#8	413.0	98.6	1.4	0.0	20.0
#16	417.0	99.5	0.5	0.0	10.0
Pan	419.0	100.0	0.0	0.0	0.0

% MOISTURE	20.8				
Gross Wiegh	1588	Tare Wieght	1395	Sp. Gravity	1.62
Bucket Weigh	49	Lab B/W	55	HS	
Wet Weight	506				
Dry Weight	419				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

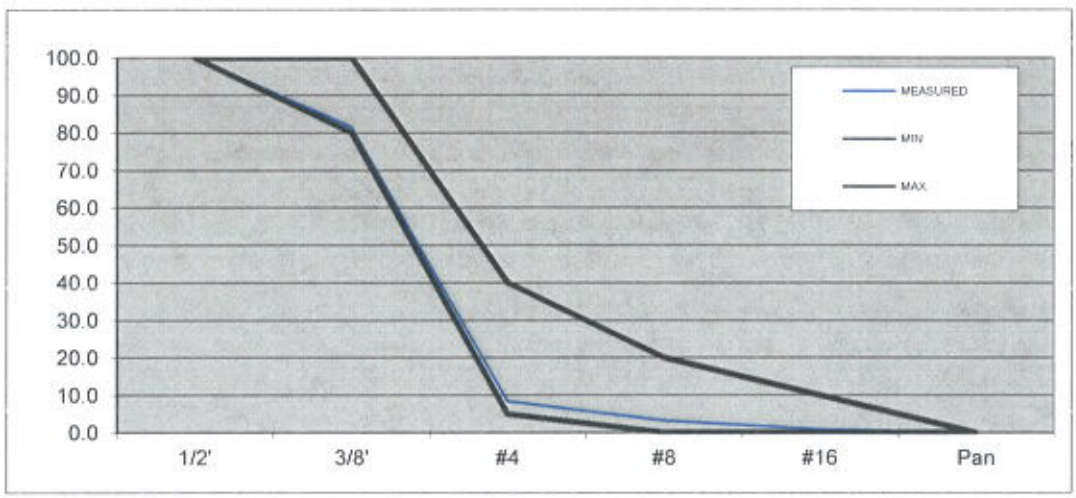
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 12/05/15

Time 10:40

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	110.0	18.5	81.5	80.0	100.0
#4	545.0	91.6	8.4	5.0	40.0
#8	576.0	96.8	3.2	0.0	20.0
#16	590.0	99.2	0.8	0.0	10.0
Pan	595.0	100.0	0.0	0.0	0.0

% MOISTURE	21.0				
Gross Wiegh	1699		Tare Wieght	1395	Sp. Gravity 1.73
Bucket Weigh	52.5		Lab B/W		
Wet Weight	720				
Dry Weight	595				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

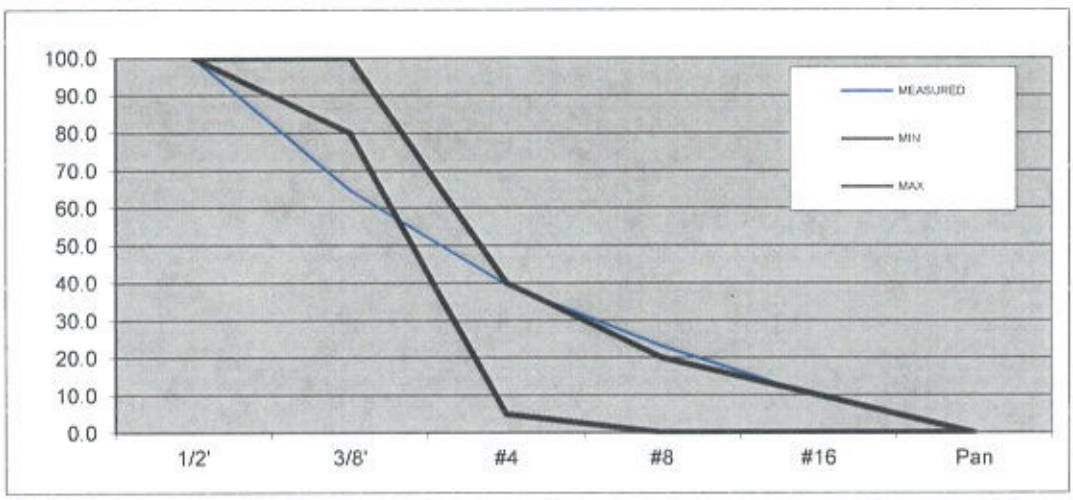
Ticket # Feed going In Power screen

Sampler JJ

Date: 11/08/15

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	208.0	35.3	64.7	80.0	100.0
#4	356.0	60.4	39.6	5.0	40.0
#8	453.0	76.9	23.1	0.0	20.0
#16	533.0	90.5	9.5	0.0	10.0
Pan	589.0	100.0	0.0	0.0	0.0

% MOISTURE	24.1				
Gross Wiegh	1693	Tare Wieght	1395	Sp. Gravity	1.69
Bucket Weigh	57.5	Lab B/W			
Wet Weight	731				
Dry Weight	589				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

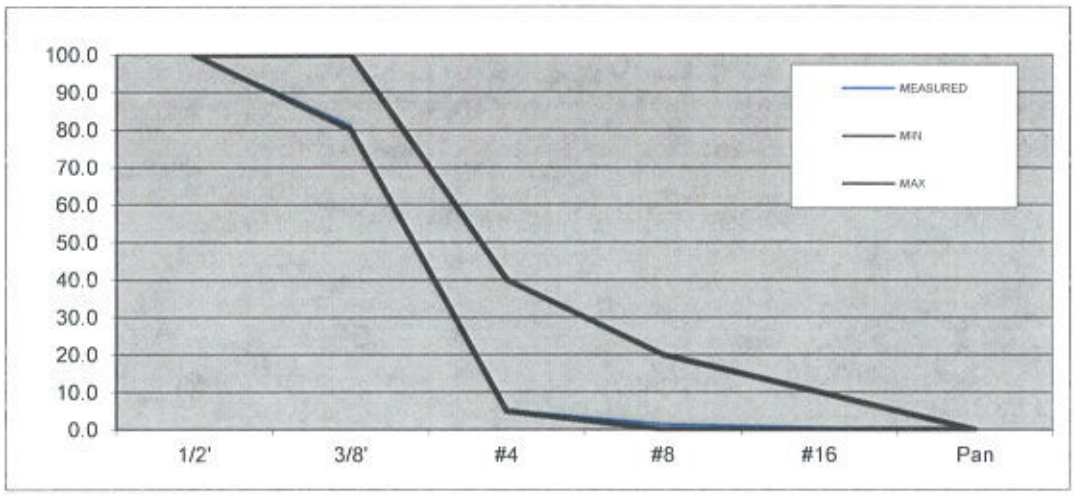
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 11/16/15

Time 11:43

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	113.0	19.0	81.0	80.0	100.0
#4	565.0	94.8	5.2	5.0	40.0
#8	588.0	98.7	1.3	0.0	20.0
#16	593.0	99.5	0.5	0.0	10.0
Pan	596.0	100.0	0.0	0.0	0.0

% MOISTURE	20.5				
Gross Wiegh	1698	Tare Wieght	1395	Sp. Gravity	1.73
Bucket Weigh	52.5	Lab B/W			
Wet Weight	718				
Dry Weight	596				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

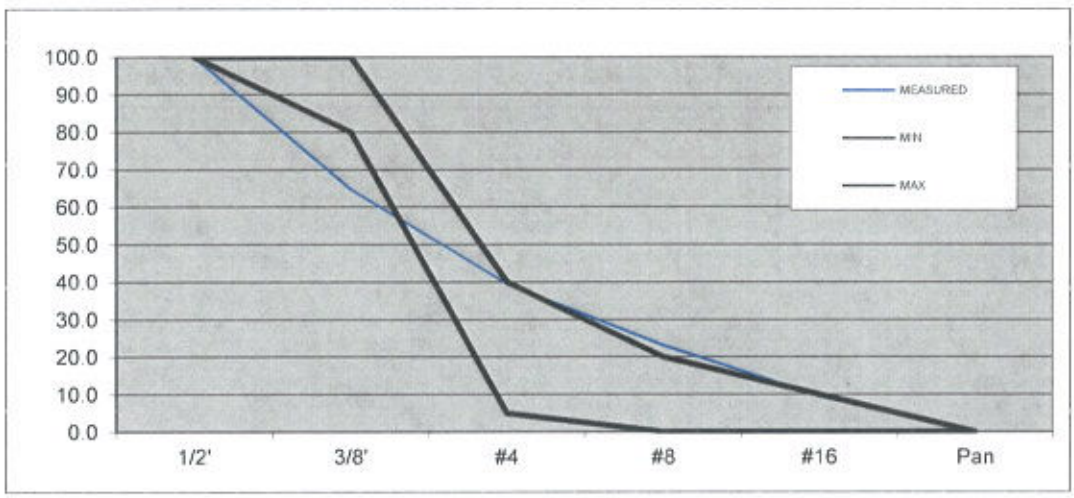
Ticket # Feed going In Power screen

Sampler JJ

Date: 10/08/15

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	208.0	35.3	64.7	80.0	100.0
#4	356.0	60.4	39.6	5.0	40.0
#8	453.0	76.9	23.1	0.0	20.0
#16	533.0	90.5	9.5	0.0	10.0
Pan	589.0	100.0	0.0	0.0	0.0

% MOISTURE	24.1				
Gross Wiegh	1693		Tare Wieght	1395	Sp. Gravity 1.69
Bucket Weigh	57.5		Lab B/W		
Wet Weight	731				
Dry Weight	589				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

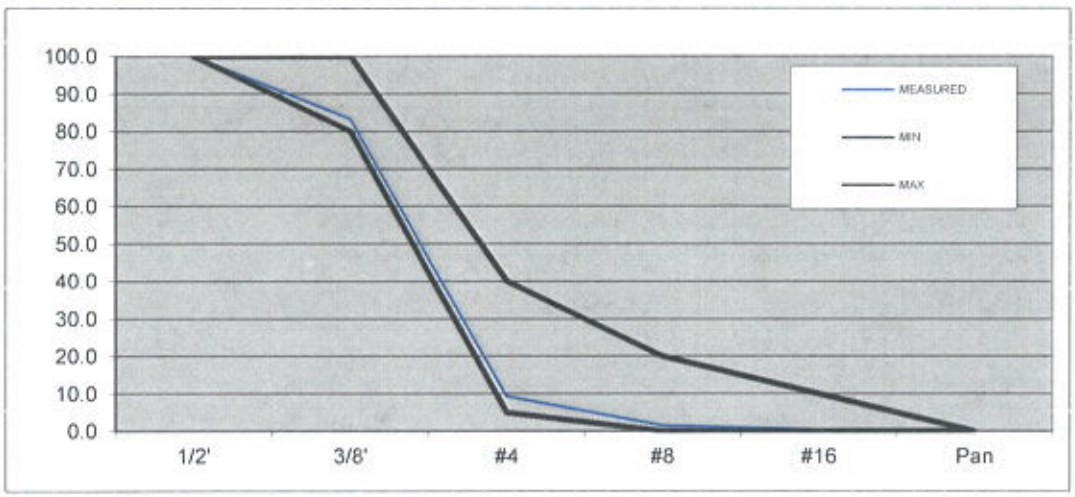
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 10/08/15

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	70.0	16.7	83.3	80.0	100.0
#4	380.0	90.7	9.3	5.0	40.0
#8	413.0	98.6	1.4	0.0	20.0
#16	417.0	99.5	0.5	0.0	10.0
Pan	419.0	100.0	0.0	0.0	0.0

% MOISTURE	20.8				
Gross Wiegh	1602	Tare Wieght	1395	Sp. Gravity	1.69
Bucket Weigh	49	Lab B/W			
Wet Weight	506				
Dry Weight	419				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

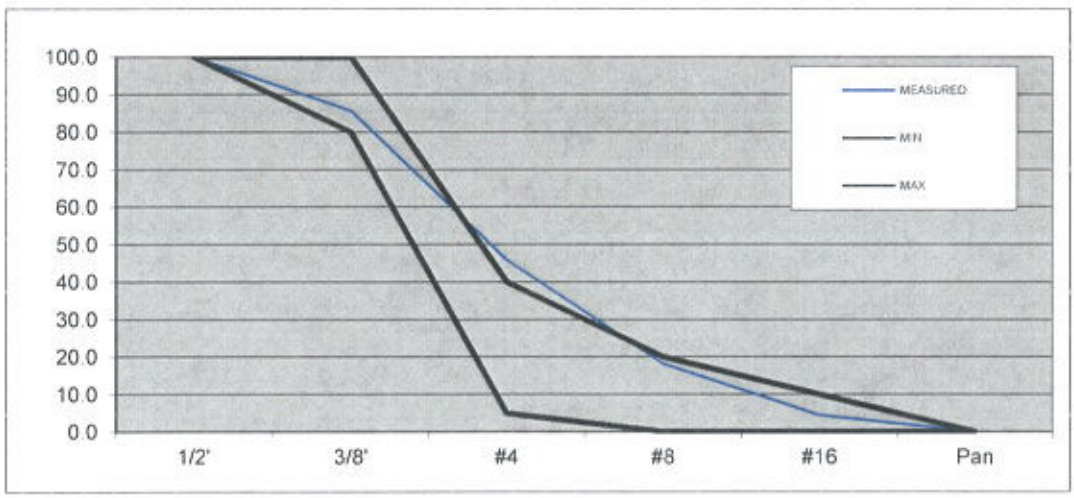
Ticket # Feed going In Power screen

Sampler JJ

Date: 09/05/15

Time 10:45

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	90.0	14.3	85.7	80.0	100.0
#4	340.0	54.1	45.9	5.0	40.0
#8	514.0	81.8	18.2	0.0	20.0
#16	600.0	95.5	4.5	0.0	10.0
Pan	628.0	100.0	0.0	0.0	0.0

% MOISTURE	20.4				
Gross Wiegh	1732	Tare Wieght	1395	Sp. Gravity	1.80
Bucket Weigh	60	Lab B/W			
Wet Weight	756				
Dry Weight	628				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

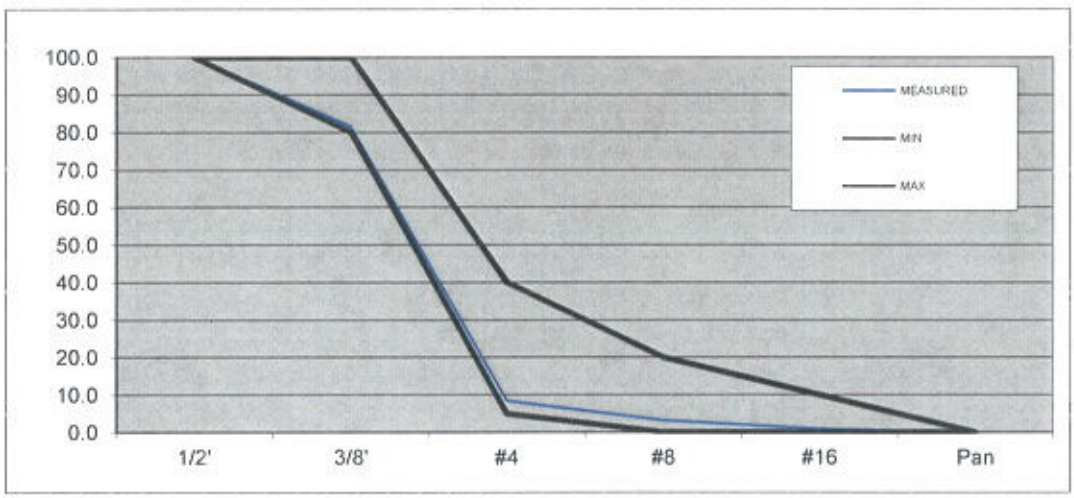
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 09/05/15

Time 10:40

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	110.0	18.5	81.5	80.0	100.0
#4	545.0	91.6	8.4	5.0	40.0
#8	576.0	96.8	3.2	0.0	20.0
#16	590.0	99.2	0.8	0.0	10.0
Pan	595.0	100.0	0.0	0.0	0.0

% MOISTURE	21.0					
Gross Wiegh	1699		Tare Wieght	1395	Sp. Gravity	1.73
Bucket Weigh	52.5		Lab B/W			
Wet Weight	720					
Dry Weight	595					

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

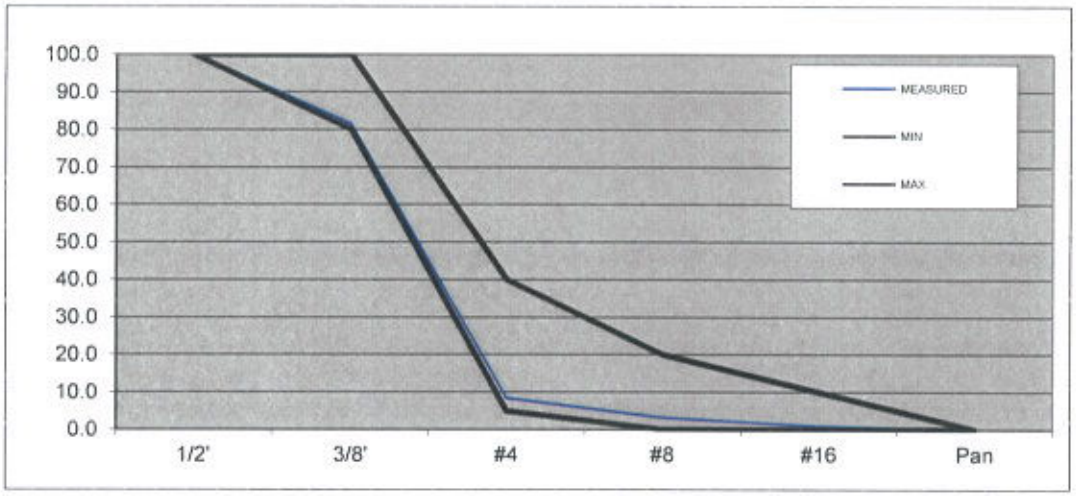
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 08/05/15

Time 10:40

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	110.0	18.5	81.5	80.0	100.0
#4	545.0	91.6	8.4	5.0	40.0
#8	576.0	96.8	3.2	0.0	20.0
#16	590.0	99.2	0.8	0.0	10.0
Pan	595.0	100.0	0.0	0.0	0.0

% MOISTURE	21.0				
Gross Wiegh	1699		Tare Wieght	1395	Sp. Gravity 1.73
Bucket Weigh	52.5		Lab B/W		
Wet Weight	720				
Dry Weight	595				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

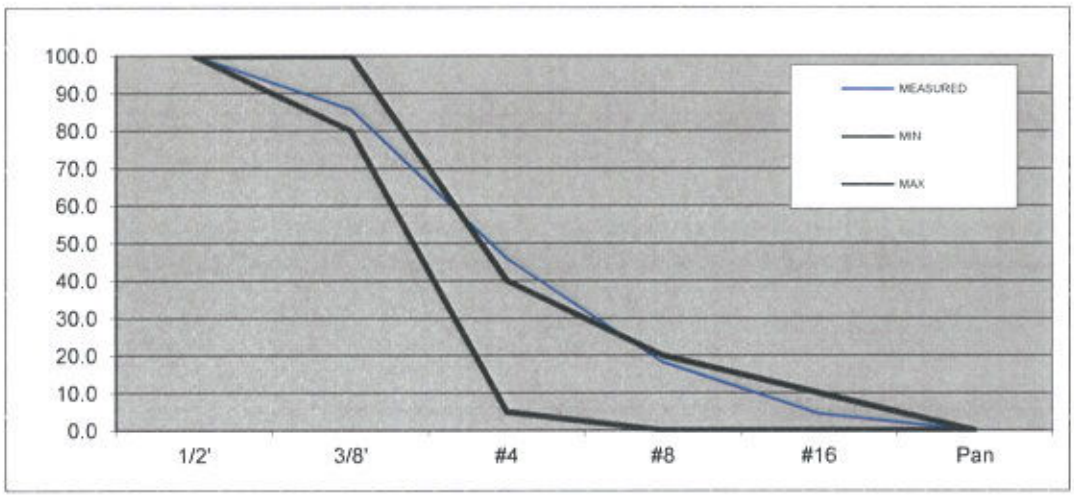
Ticket # Feed going In Power screen

Sampler JJ

Date: 08/05/15

Time 10:45

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	90.0	14.3	85.7	80.0	100.0
#4	340.0	54.1	45.9	5.0	40.0
#8	514.0	81.8	18.2	0.0	20.0
#16	600.0	95.5	4.5	0.0	10.0
Pan	628.0	100.0	0.0	0.0	0.0

% MOISTURE	20.4				
Gross Wiegh	1732		Tare Wieght	1395	Sp. Gravity 1.80
Bucket Weigh	60		Lab B/W		
Wet Weight	756				
Dry Weight	628				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

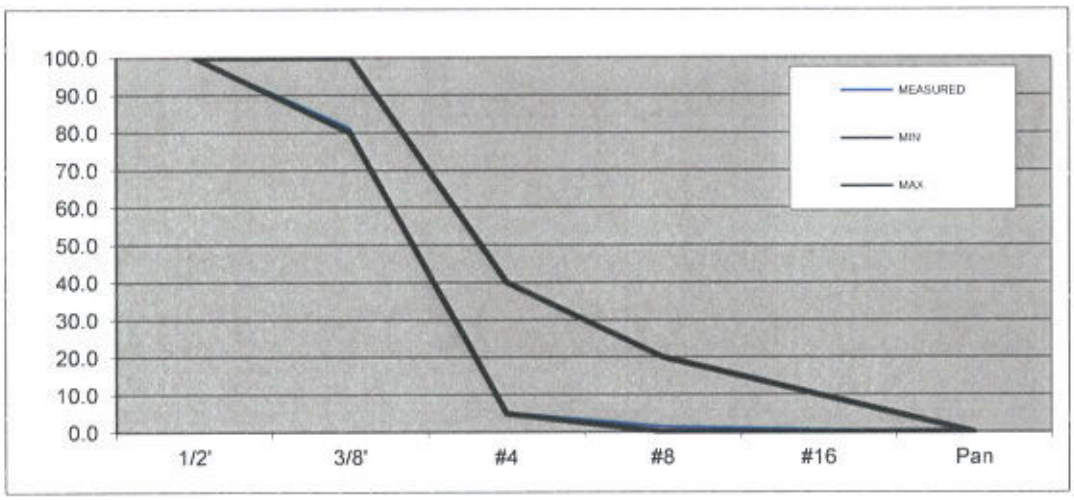
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 07/13/15

Time 11:43

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	113.0	19.0	81.0	80.0	100.0
#4	565.0	94.8	5.2	5.0	40.0
#8	588.0	98.7	1.3	0.0	20.0
#16	593.0	99.5	0.5	0.0	10.0
Pan	596.0	100.0	0.0	0.0	0.0

% MOISTURE	20.5				
Gross Wiegh	1698		Tare Wieght	1395	Sp. Gravity 1.73
Bucket Weigh	52.5		Lab B/W		
Wet Weight	718				
Dry Weight	596				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

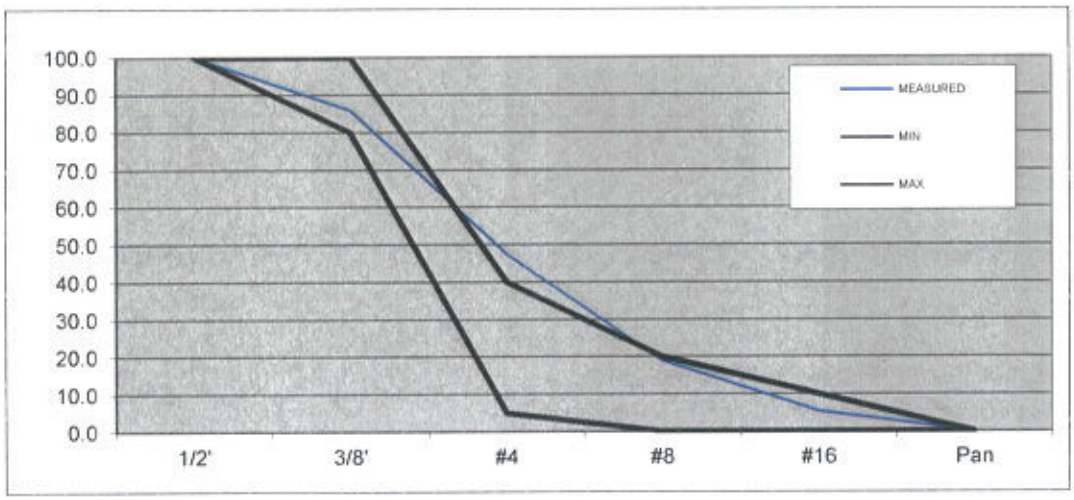
Ticket # Feed going In Power screen

Sampler JJ

Date: 07/13/15

Time 11:43

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	89.0	14.1	85.9	80.0	100.0
#4	331.0	52.5	47.5	5.0	40.0
#8	511.0	81.1	18.9	0.0	20.0
#16	596.0	94.6	5.4	0.0	10.0
Pan	630.0	100.0	0.0	0.0	0.0

% MOISTURE	22.2				
Gross Wiegh	1736	Tare Wieght	1395	Sp. Gravity	1.79
Bucket Weigh	60	Lab B/W			
Wet Weight	770				
Dry Weight	630				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

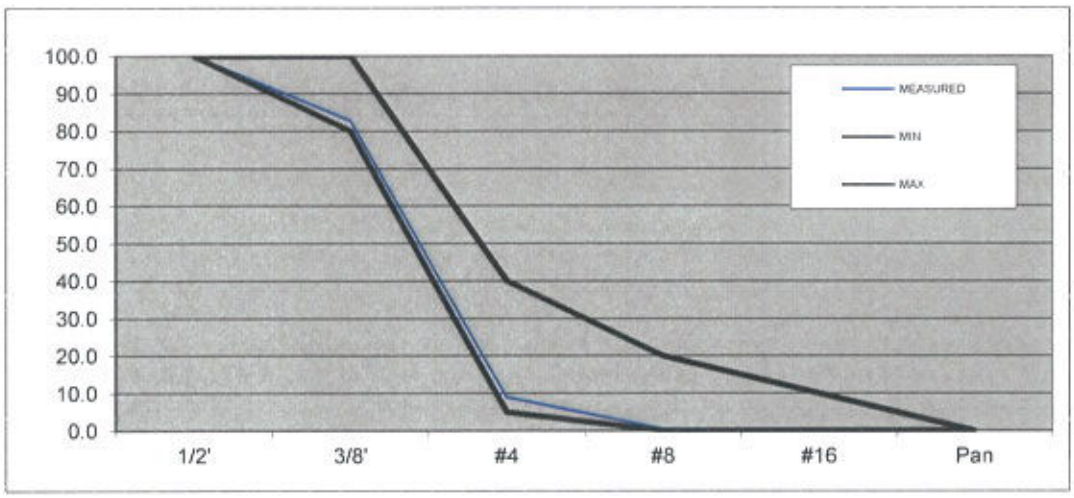
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 06/25/15

Time 1PM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	73.0	17.2	82.8	80.0	100.0
#4	386.0	91.0	9.0	5.0	40.0
#8	422.0	99.5	0.5	0.0	20.0
#16	423.0	99.8	0.2	0.0	10.0
Pan	424.0	100.0	0.0	0.0	0.0

% MOISTURE	19.3				
Gross Wiegh	1601	Tare Wieght	1395	Sp. Gravity	1.69
Bucket Weigh	49.5	Lab B/W			
Wet Weight	506				
Dry Weight	424				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

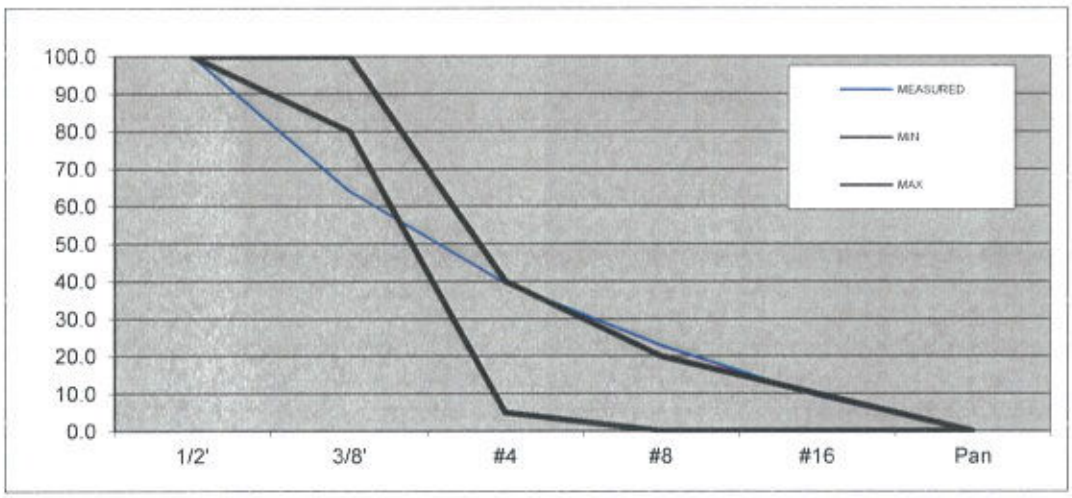
Ticket # Feed going In Power screen

Sampler JJ

Date: 06/25/15

Time 1PM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	212.0	35.9	64.1	80.0	100.0
#4	358.0	60.6	39.4	5.0	40.0
#8	456.0	77.2	22.8	0.0	20.0
#16	536.0	90.7	9.3	0.0	10.0
Pan	591.0	100.0	0.0	0.0	0.0

% MOISTURE	17.6				
Gross Wiegh	1678		Tare Wieght	1395	Sp. Gravity 1.69
Bucket Weigh	56.5		Lab B/W		
Wet Weight	695				
Dry Weight	591				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

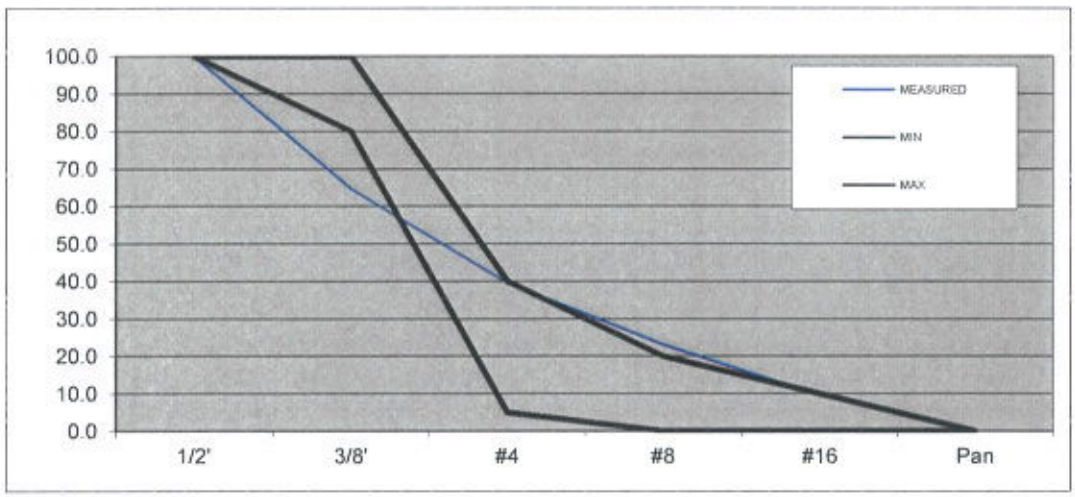
Ticket # Feed going In Power screen

Sampler JJ

Date: 05/08/15

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	208.0	35.3	64.7	80.0	100.0
#4	356.0	60.4	39.6	5.0	40.0
#8	453.0	76.9	23.1	0.0	20.0
#16	533.0	90.5	9.5	0.0	10.0
Pan	589.0	100.0	0.0	0.0	0.0

% MOISTURE	24.1				
Gross Wiegh	1693		Tare Wieght	1395	Sp. Gravity 1.69
Bucket Weigh	57.5		Lab B/W		
Wet Weight	731				
Dry Weight	589				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

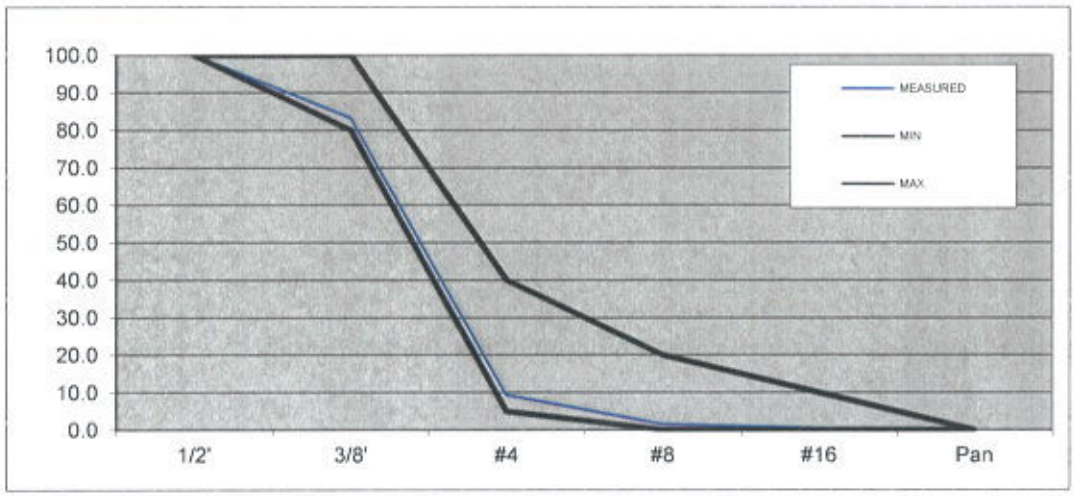
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 05/08/15

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	70.0	16.7	83.3	80.0	100.0
#4	380.0	90.7	9.3	5.0	40.0
#8	413.0	98.6	1.4	0.0	20.0
#16	417.0	99.5	0.5	0.0	10.0
Pan	419.0	100.0	0.0	0.0	0.0

% MOISTURE	20.8				
Gross Wiegh	1602	Tare Wieght	1395	Sp. Gravity	1.69
Bucket Weigh	49	Lab B/W			
Wet Weight	506				
Dry Weight	419				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis

Trinity Frazier Park

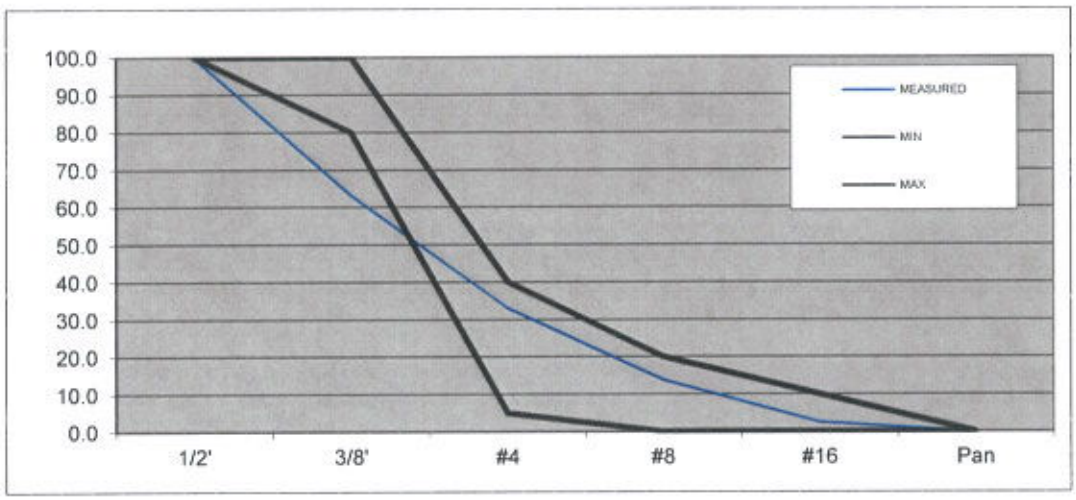
Ticket # Feed going In Power screen

Sampler JJ

Date: 04/06/15

Time 10AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	211.0	36.6	63.4	80.0	100.0
#4	385.0	66.8	33.2	5.0	40.0
#8	496.0	86.1	13.9	0.0	20.0
#16	561.0	97.4	2.6	0.0	10.0
Pan	576.0	100.0	0.0	0.0	0.0

% MOISTURE	19.3				
Gross Wiegh	1693		Tare Wieght	1395	Sp. Gravity 1.77
Bucket Weigh	54.5		Lab B/W		
Wet Weight	687				
Dry Weight	576				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

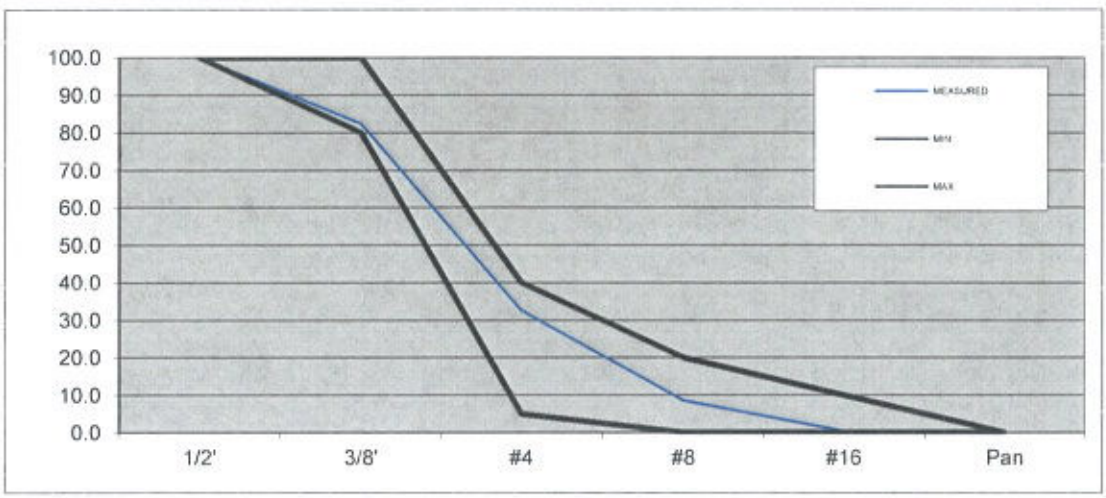
Ticket # Stacker

Sampler JJ

Date: 03/02/16

Time 5AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	101.0	17.6	82.4	80.0	100.0
#4	387.0	67.4	32.6	5.0	40.0
#8	525.0	91.5	8.5	0.0	20.0
#16	572.0	99.7	0.3	0.0	10.0
Pan	574.0	100.0	0.0	0.0	0.0

% MOISTURE	19.9				
Gross Weight	1679	Tare Weight	1395	Sp. Gravity	1.70
Bucket Weight	53.5	Lab B/W			
Wet Weight	688				
Dry Weight	574				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

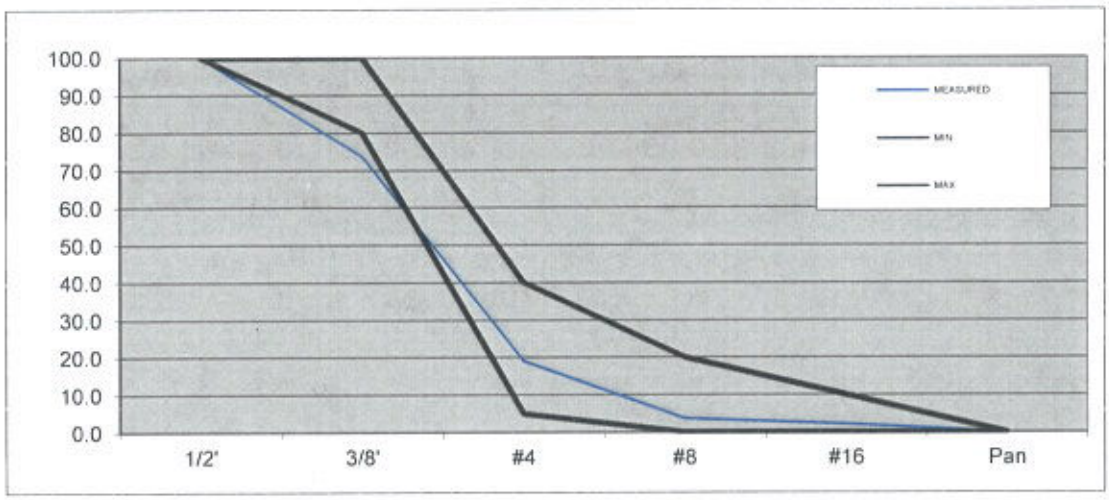
Ticket # Stacker

Sampler JJ

Date: 02/04/16

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	149.0	26.2	73.8	80.0	100.0
#4	460.0	81.0	19.0	5.0	40.0
#8	547.0	96.3	3.7	0.0	20.0
#16	556.0	97.9	2.1	0.0	10.0
Pan	568.0	100.0	0.0	0.0	0.0

% MOISTURE	19.5				
Gross Weight	1672	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	52	Lab B/W			
Wet Weight	679				
Dry Weight	568				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

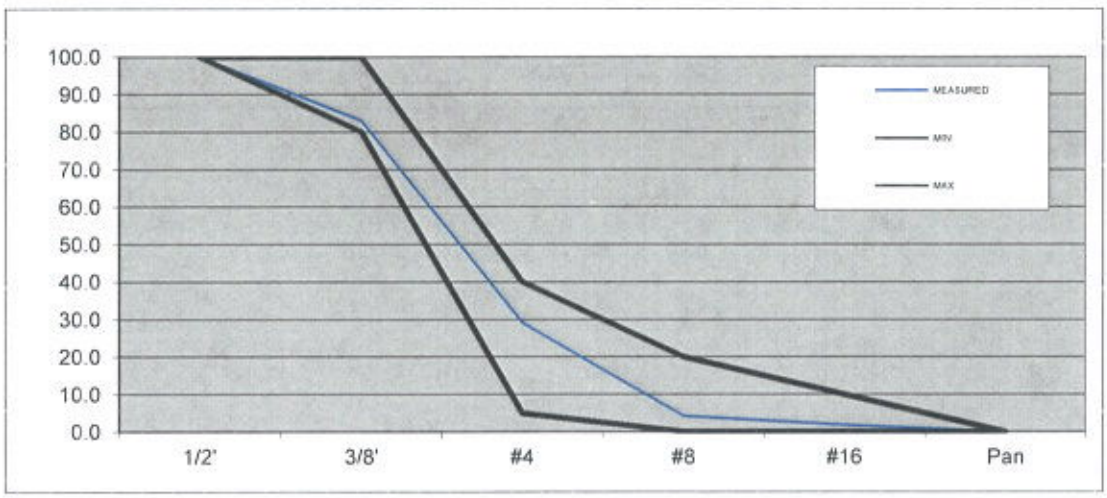
Ticket # Stacker

Sampler JJ

Date: 01/05/16

Time 9AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	92.0	16.9	83.1	80.0	100.0
#4	386.0	70.8	29.2	5.0	40.0
#8	522.0	95.8	4.2	0.0	20.0
#16	535.0	98.2	1.8	0.0	10.0
Pan	545.0	100.0	0.0	0.0	0.0

% MOISTURE	24.6				
Gross Weight	1673	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	54	Lab B/W			
Wet Weight	679				
Dry Weight	545				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

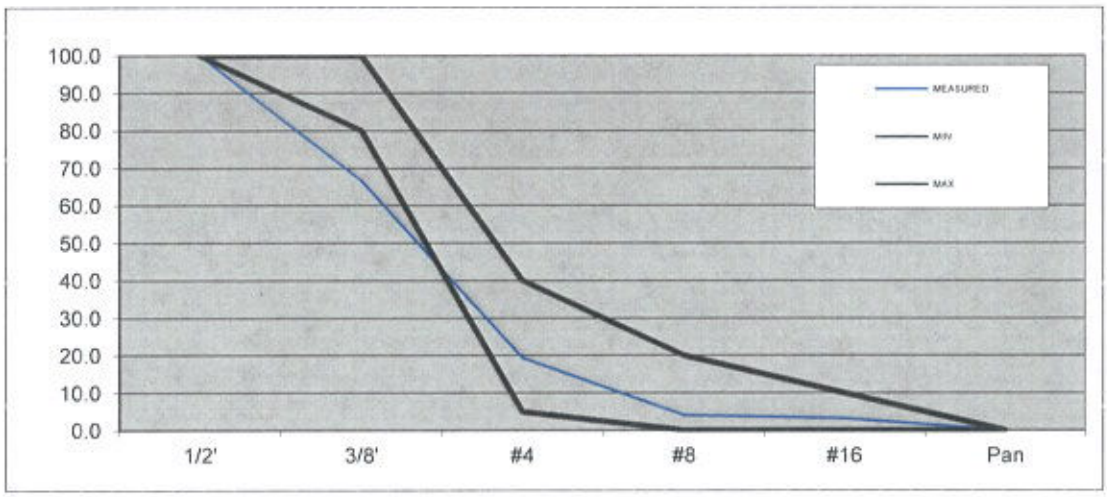
Ticket # Stacker

Sampler JJ

Date: 12/02/15

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	200.0	33.3	66.7	80.0	100.0
#4	484.0	80.7	19.3	5.0	40.0
#8	576.0	96.0	4.0	0.0	20.0
#16	581.0	96.8	3.2	0.0	10.0
Pan	600.0	100.0	0.0	0.0	0.0

% MOISTURE	11.8				
Gross Weight	1662	Tare Weight	1395	Sp. Gravity	1.66
Bucket Weight	52.5	Lab B/W			
Wet Weight	671				
Dry Weight	600				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

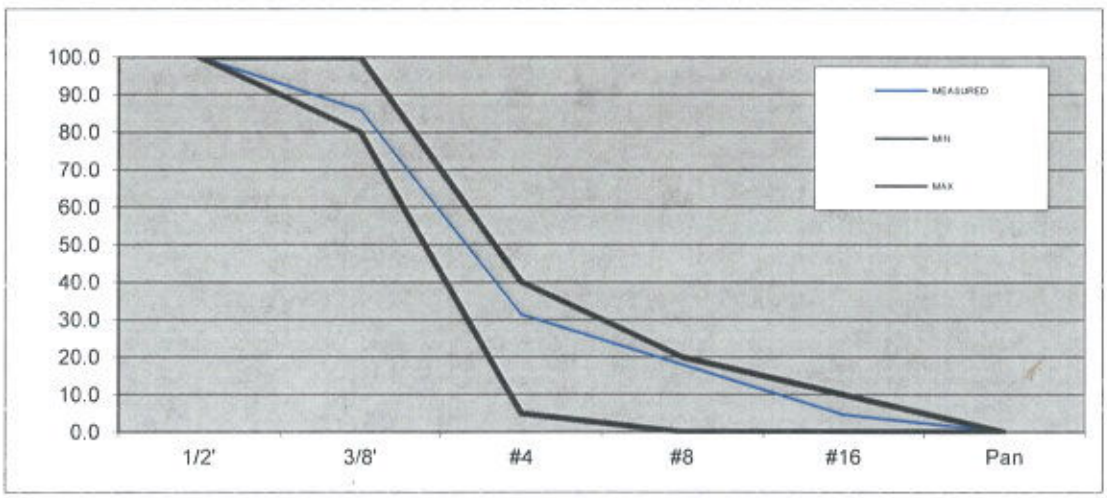
Ticket # Stacker

Sampler JJ

Date: 11/16/15

Time 11AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	79.0	14.1	85.9	80.0	100.0
#4	386.0	68.7	31.3	5.0	40.0
#8	461.0	82.0	18.0	0.0	20.0
#16	536.0	95.4	4.6	0.0	10.0
Pan	562.0	100.0	0.0	0.0	0.0

% MOISTURE	20.8				
Gross Weight	1674	Tare Weight	1395	Sp. Gravity	1.70
Bucket Weight	55.5	Lab B/W			
Wet Weight	679				
Dry Weight	562				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

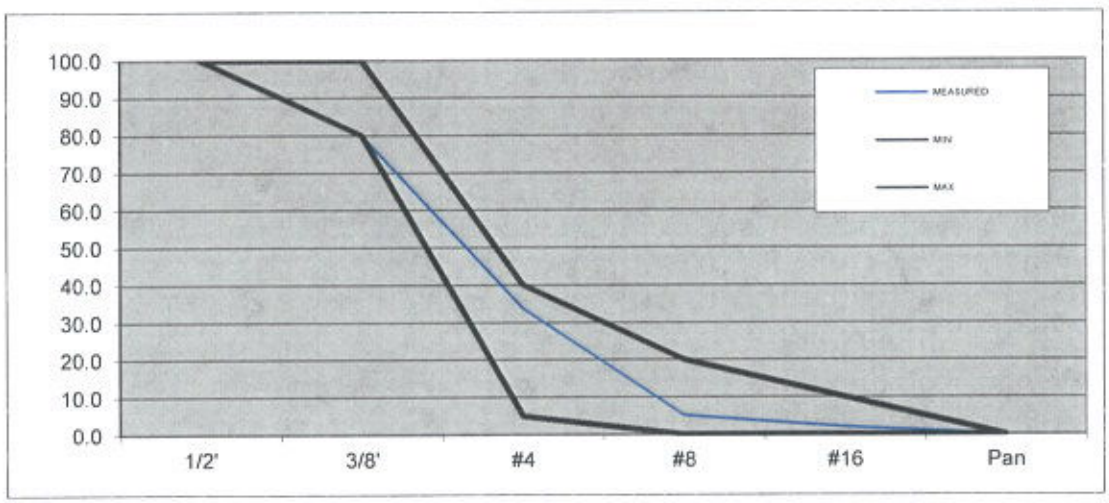
Ticket # Stacker

Sampler JJ

Date: 10/06/15

Time 5AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	110.0	20.0	80.0	80.0	100.0
#4	364.0	66.3	33.7	5.0	40.0
#8	521.0	94.9	5.1	0.0	20.0
#16	538.0	98.0	2.0	0.0	10.0
Pan	549.0	100.0	0.0	0.0	0.0

% MOISTURE	23.1				
Gross Weight	1674	Tare Weight	1395	Sp. Gravity	1.70
Bucket Weight	51.5	Lab B/W			
Wet Weight	676				
Dry Weight	549				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

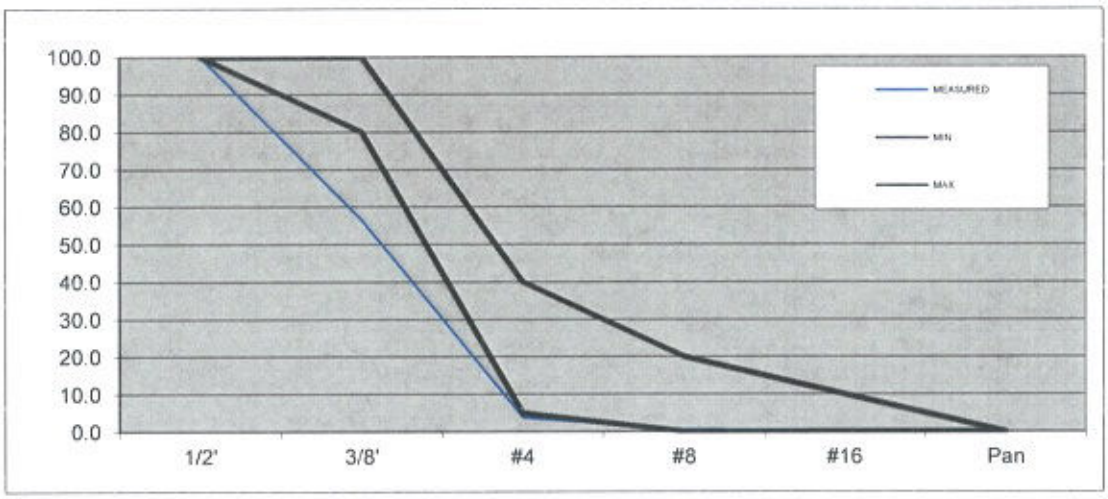
Ticket # Stacker

Sampler JJ

Date: 09/02/15

Time 9AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	240.0	43.4	56.6	80.0	100.0
#4	532.0	96.2	3.8	5.0	40.0
#8	550.0	99.5	0.5	0.0	20.0
#16	551.0	99.6	0.4	0.0	10.0
Pan	553.0	100.0	0.0	0.0	0.0

% MOISTURE	23.3				
Gross Weight	1673	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	51.5	Lab B/W			
Wet Weight	682				
Dry Weight	553				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

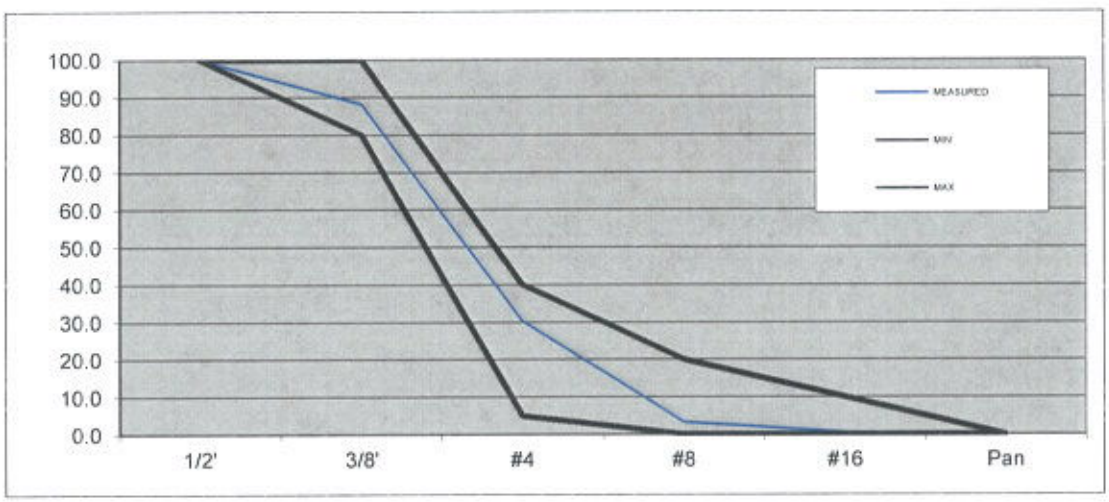
Ticket # Stacker

Sampler JJ

Date: 08/01/15

Time 5AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	69.0	11.8	88.2	80.0	100.0
#4	406.0	69.6	30.4	5.0	40.0
#8	564.0	96.7	3.3	0.0	20.0
#16	580.0	99.5	0.5	0.0	10.0
Pan	583.0	100.0	0.0	0.0	0.0

% MOISTURE	13.4				
Gross Weight	1664	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	49.5	Lab B/W			
Wet Weight	661				
Dry Weight	583				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

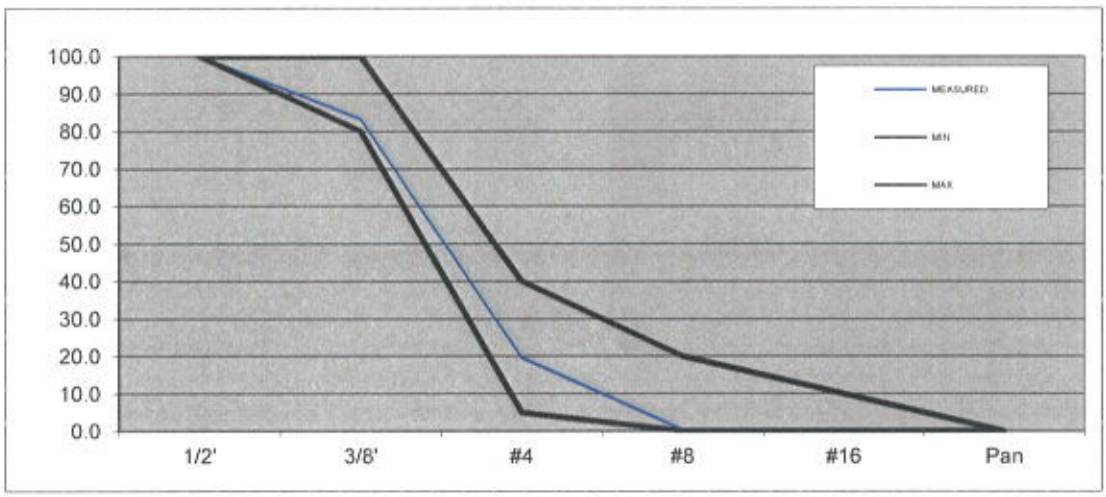
Ticket # Stacker

Sampler JJ

Date: 07/05/15

Time 8AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	99.0	16.7	83.3	80.0	100.0
#4	476.0	80.4	19.6	5.0	40.0
#8	590.0	99.7	0.3	0.0	20.0
#16	591.0	99.8	0.2	0.0	10.0
Pan	592.0	100.0	0.0	0.0	0.0

% MOISTURE	14.5				
Gross Weight	1671	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	49	Lab B/W			
Wet Weight	678				
Dry Weight	592				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

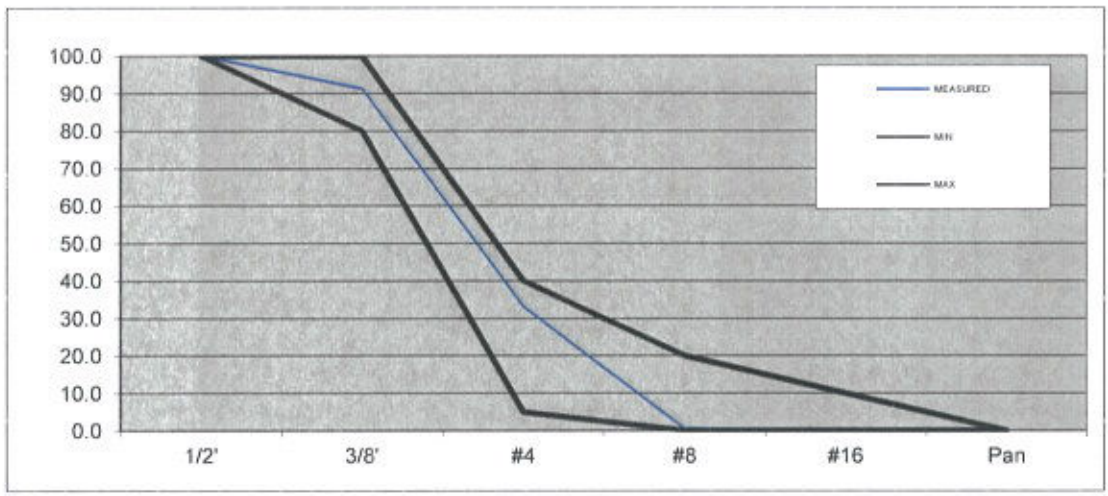
Ticket # Stacker

Sampler JJ

Date: 06/02/15

Time 8AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	51.0	8.8	91.2	80.0	100.0
#4	389.0	66.8	33.2	5.0	40.0
#8	579.0	99.5	0.5	0.0	20.0
#16	581.0	99.8	0.2	0.0	10.0
Pan	582.0	100.0	0.0	0.0	0.0

% MOISTURE	15.3				
Gross Weight	1668	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	49.5	Lab B/W			
Wet Weight	671				
Dry Weight	582				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

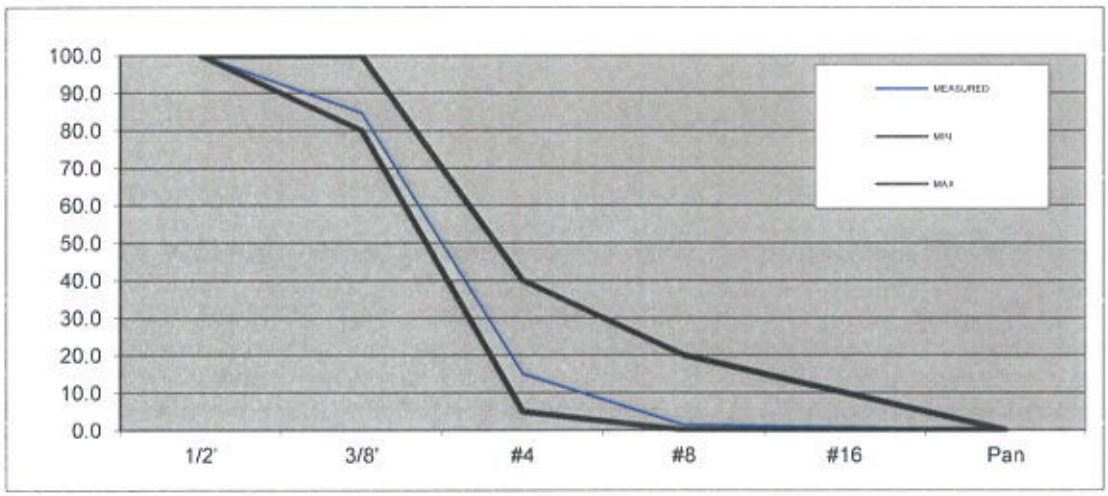
Ticket # Stacker

Sampler JJ

Date: 05/10/15

Time 8PM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	87.0	15.3	84.7	80.0	100.0
#4	483.0	85.0	15.0	5.0	40.0
#8	560.0	98.6	1.4	0.0	20.0
#16	564.0	99.3	0.7	0.0	10.0
Pan	568.0	100.0	0.0	0.0	0.0

% MOISTURE	19.2				
Gross Weight	1672	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	48	Lab B/W			
Wet Weight	677				
Dry Weight	568				

Frazier Park

17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis

Trinity Frazier Park

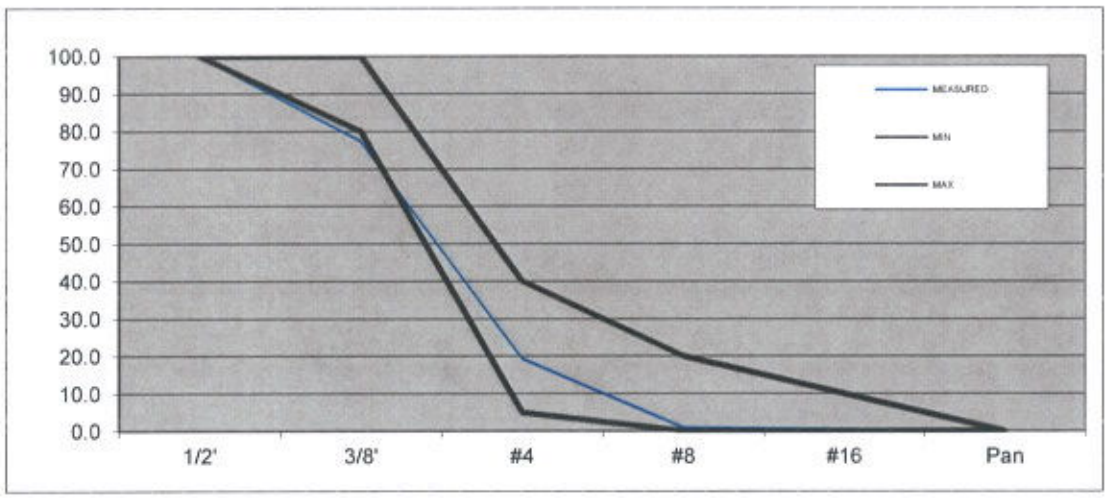
Ticket # Stacker

Sampler JJ

Date: 04/05/15

Time 4AM

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	123.0	22.6	77.4	80.0	100.0
#4	439.0	80.6	19.4	5.0	40.0
#8	540.0	99.1	0.9	0.0	20.0
#16	542.0	99.4	0.6	0.0	10.0
Pan	545.0	100.0	0.0	0.0	0.0

% MOISTURE	24.0					
Gross Weight	1673		Tare Weight	1395	Sp. Gravity	1.70
Bucket Weight	53		Lab B/W			
Wet Weight	676					
Dry Weight	545					

Frazier Park

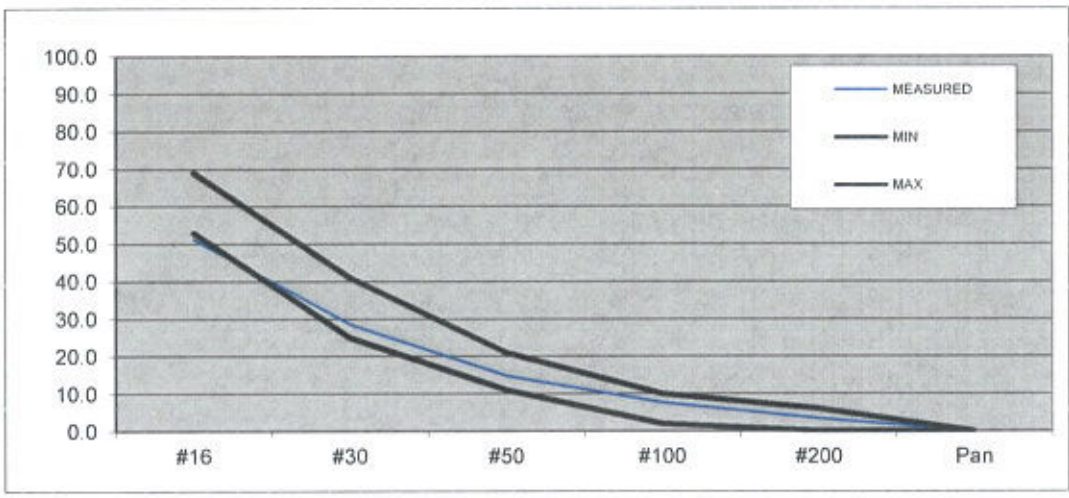
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis **Title 5** **Trinity Frazier Park**

Ticket # Raw Clay **Sampler** JJ

Date: 03/23/16 **TIME:**

Customer Trinity ES&C **Manager** Steve Fernandes



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	26.0	6.2	93.8	100.0	100.0
#8	118.0	28.1	71.9	96.0	90.0
#16	205.0	48.8	51.2	69.0	53.0
#30	300.0	71.4	28.6	41.0	25.0
#50	358.0	85.2	14.8	21.0	11.0
#100	388.0	92.4	7.6	10.0	2.0
#200	406.0	96.7	3.3	6.0	0.0
Pan	420.0	100.0	0.0	0.0	0.0

Sample Locations

1	19.00%
2	16.80%
3	16.00%
4	20.80%

% MOISTURE	19.0
Bucket Weigh	65
Wet Weight	500
Dry Weight	420

Lab B/W JJ

Frazier Park

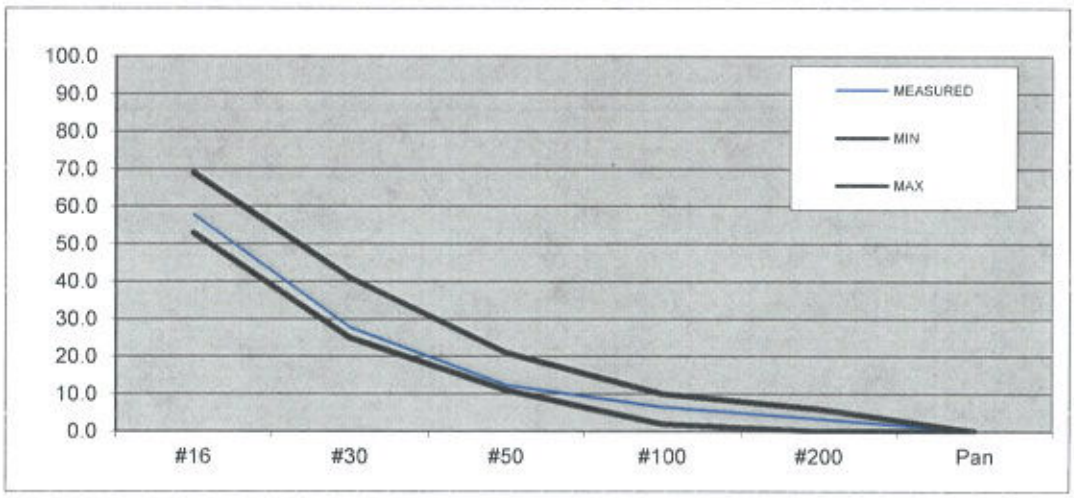
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis **Title 5** **Trinity Frazier Park**

Ticket # Raw Clay **Sampler** JJ

Date: 02/07/16 **TIME:**

Customer Trinity ES&C **Manager** Steve Fernandes



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	26.0	6.3	93.7	100.0	100.0
#8	109.0	26.3	73.7	96.0	90.0
#16	175.0	42.2	57.8	69.0	53.0
#30	300.0	72.3	27.7	41.0	25.0
#50	364.0	87.7	12.3	21.0	11.0
#100	388.0	93.5	6.5	10.0	2.0
#200	401.0	96.6	3.4	6.0	0.0
Pan	415.0	100.0	0.0	0.0	0.0

Sample Locations

1	21.20%
2	18.00%
3	16.50%
4	21.00%

% MOISTURE	21.2
Bucket Weigh	65.5
Wet Weight	503
Dry Weight	415

Lab B/W JJ

Frazier Park

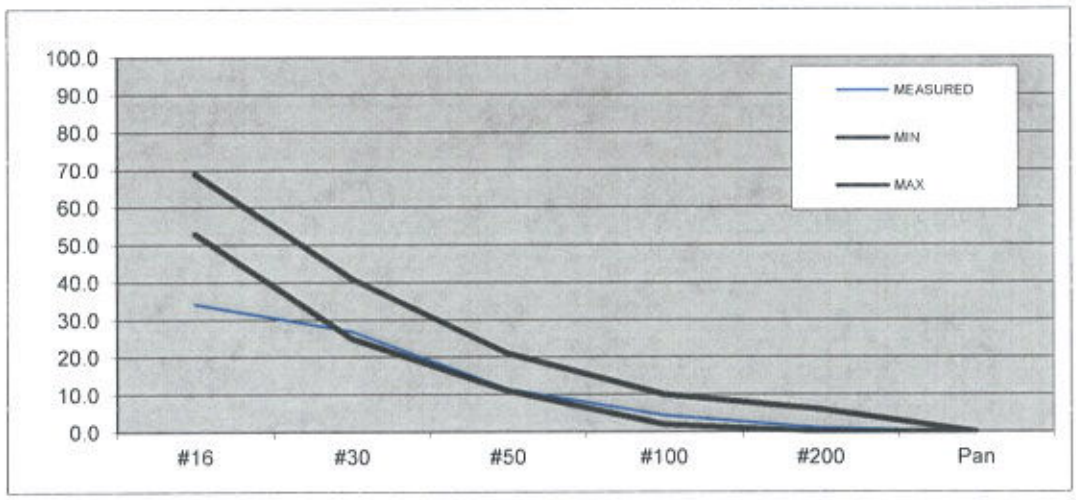
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis **Title 5** **Trinity Frazier Park**

Ticket # Raw Clay **Sampler** JJ

Date: 01/15/16 **TIME:**

Customer Trinity ES&C **Manager** Steve Fernandes



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	26.0	6.3	93.7	100.0	100.0
#8	158.0	38.5	61.5	96.0	90.0
#16	270.0	65.9	34.1	69.0	53.0
#30	300.0	73.2	26.8	41.0	25.0
#50	363.0	88.5	11.5	21.0	11.0
#100	392.0	95.6	4.4	10.0	2.0
#200	406.0	99.0	1.0	6.0	0.0
Pan	410.0	100.0	0.0	0.0	0.0

Sample Locations

1	17.30%
2	16.10%
3	15.00%
4	22.10%

% MOISTURE	17.3			
Bucket Weigh	68	Lab B/W	68	JJ
Wet Weight	481			
Dry Weight	410			

Frazier Park

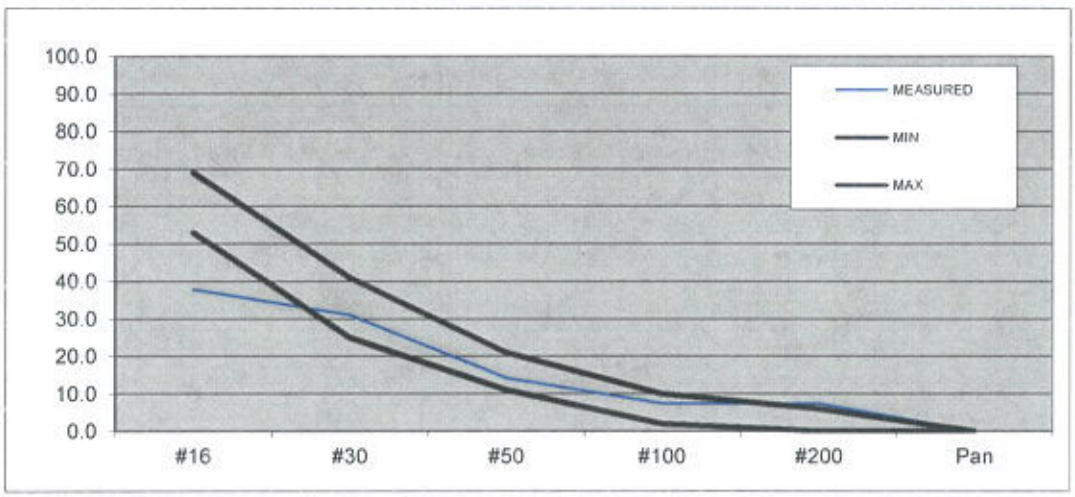
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis **Title 5** **Trinity Frazier Park**

Ticket # Raw Clay **Sampler** JJ

Date: 12/25/15 **TIME:**

Customer Trinity ES&C **Manager** Steve Fernandes



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	26.0	6.1	93.9	100.0	100.0
#8	155.0	36.6	63.4	96.0	90.0
#16	263.0	62.2	37.8	69.0	53.0
#30	292.0	69.0	31.0	41.0	25.0
#50	363.0	85.8	14.2	21.0	11.0
#100	392.0	92.7	7.3	10.0	2.0
#200	392.0	92.7	7.3	6.0	0.0
Pan	423.0	100.0	0.0	0.0	0.0

Sample Locations

1	18.20%
2	16.10%
3	14.90%
4	24.50%

% MOISTURE	18.2			
Bucket Weigh	68	Lab B/W	68	JJ
Wet Weight	500			
Dry Weight	423			

Frazier Park

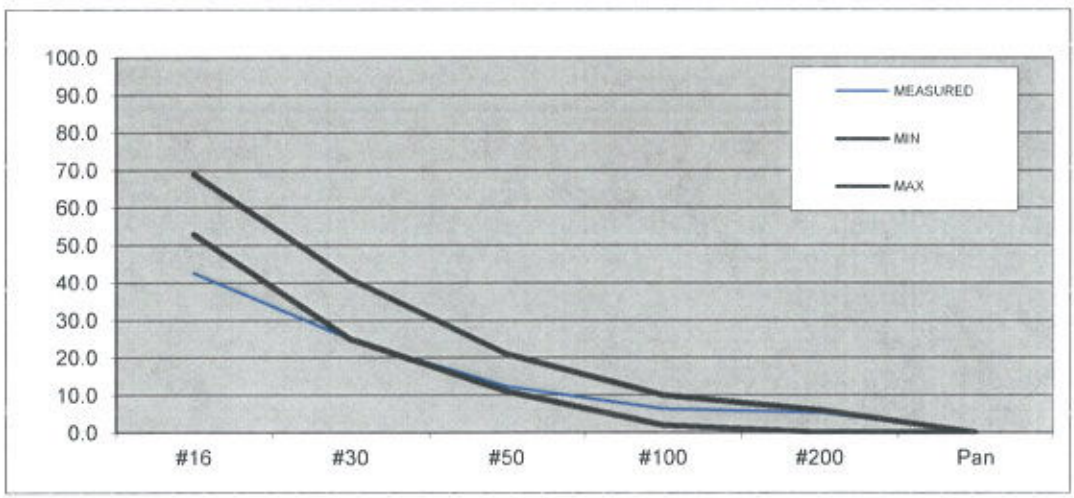
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis **Title 5** **Trinity Frazier Park**

Ticket # Raw Clay **Sampler** JJ

Date: 11/07/15 **TIME:**

Customer Trinity ES&C **Manager** Steve Fernandes



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	21.0	2.9	97.1	100.0	100.0
#8	250.0	34.2	65.8	96.0	90.0
#16	420.0	57.5	42.5	69.0	53.0
#30	549.0	75.1	24.9	41.0	25.0
#50	641.0	87.7	12.3	21.0	11.0
#100	685.0	93.7	6.3	10.0	2.0
#200	692.0	94.7	5.3	6.0	0.0
Pan	731.0	100.0	0.0	0.0	0.0

Sample Locations

1	19.30%
2	17.60%
3	18.00%
4	29.60%

% MOISTURE	17.2
Bucket Weigh	67
Wet Weight	857
Dry Weight	731

Lab B/W

Frazier Park

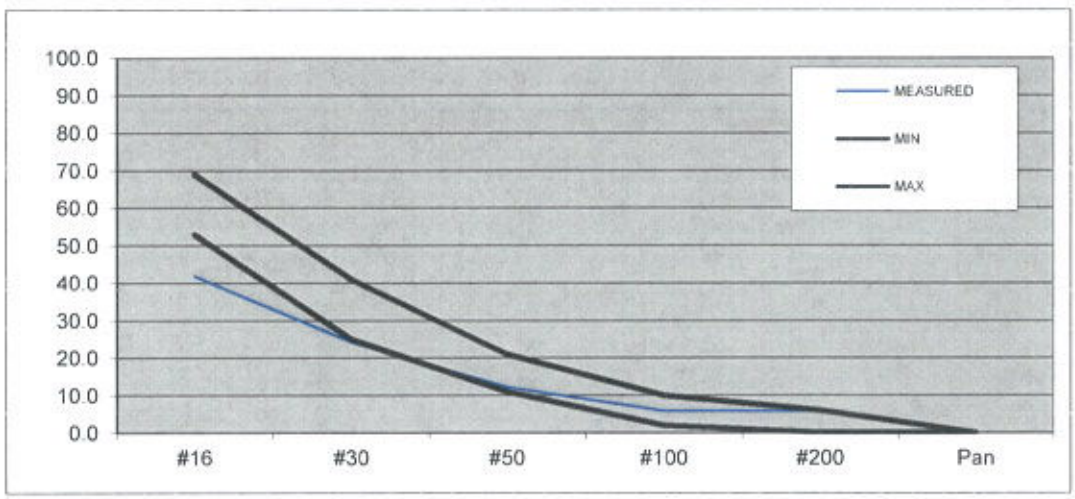
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis **Title 5** **Trinity Frazier Park**

Ticket # Raw Clay **Sampler** JJ

Date: 10/13/15 **TIME:**

Customer Trinity ES&C **Manager** Steve Fernandes



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	20.0	2.9	97.1	100.0	100.0
#8	241.0	35.0	65.0	96.0	90.0
#16	401.0	58.2	41.8	69.0	53.0
#30	522.0	75.8	24.2	41.0	25.0
#50	605.0	87.8	12.2	21.0	11.0
#100	649.0	94.2	5.8	10.0	2.0
#200	649.0	94.2	5.8	6.0	0.0
Pan	689.0	100.0	0.0	0.0	0.0

Sample Locations

1	17.90%
2	18.40%
3	16.80%
4	28.20%

% MOISTURE	17.9
Bucket Weigh	69
Wet Weight	812
Dry Weight	689

Lab B/W

Frazier Park

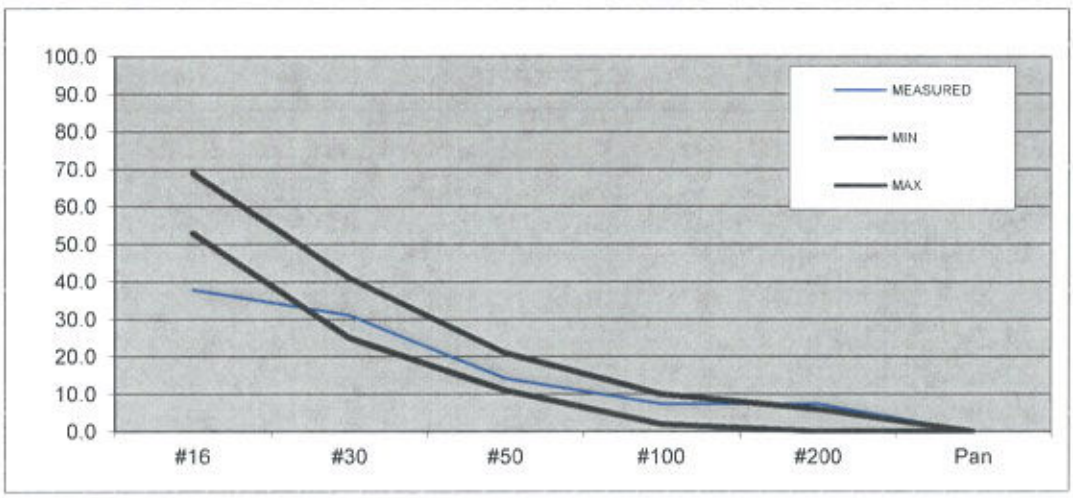
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Wieght Analysis **Title 5** **Trinity Frazier Park**

Ticket # Raw Clay **Sampler** JJ

Date: 09/16/15 **TIME:**

Customer Trinity ES&C **Manager** Steve Fernandes



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	26.0	6.1	93.9	100.0	100.0
#8	155.0	36.6	63.4	96.0	90.0
#16	263.0	62.2	37.8	69.0	53.0
#30	292.0	69.0	31.0	41.0	25.0
#50	363.0	85.8	14.2	21.0	11.0
#100	392.0	92.7	7.3	10.0	2.0
#200	392.0	92.7	7.3	6.0	0.0
Pan	423.0	100.0	0.0	0.0	0.0

Sample Locations

1	18.20%
2	16.10%
3	14.90%
4	24.50%

% MOISTURE	18.2			
Bucket Weigh	68	Lab B/W	68	JJ
Wet Weight	500			
Dry Weight	423			

APPENDIX E

PO0036PC7
Amendment 50 to PO00036

Quarterly Dust Readings

ırterly Formal Survey For Attachment 5´
Part 70 Permit # 0036

1st quarter

Visible Emissions other Than Uncombined water greater than zero percent for a period or periods Aggregating More than 3 Minutes in any one hour

Date	Time	Emissions Unit #	Emissions Unit Description	Yes	No	Initials
04/22/15	10:00am	#30	Bunker Incline Belt		X	SF
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
04/22/15	9:30am	E14	Tower Screen		X	SF
04/22/15	9:30am	#29	Radial Stacker		X	SF
04/22/15	9:30am	#26	K-3 Blue Belt		X	SF
04/22/15	9:30am	#25	K-4 Blue Belt		X	SF
04/22/15	11:00am	E1	Grizzly Housing		X	SF
04/22/15	10:30am	E2	Syntron #1		X	SF
04/22/15	11:10am	#15	Kiln Feed Tank Conveyor		X	SF
04/22/15	11:15am	#18	K-4 Discharge Conveyor		X	SF
04/22/15	11:15am	#19	K-3 Discharge Conveyor		X	SF
04/22/15	11:30am	#20	K-3 Feed Conveyor		X	SF
04/22/15	11:30am	#21	K-4 Feed Conveyor		X	SF
04/22/15	11:35am	#24	K-4 Incline Conveyor		X	SF
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
04/22/15	1:30pm	N/A	Sand Loop Building		X	SF
Not in use		Finish End	9 Tank Silo			
04/22/15	1:30pm	E30	Vertical Impact Crusher		X	SF
04/22/15	1:45pm	Raw Material	Raw Material Processing Shed		X	SF
04/22/15	2:00pm	Kiln Area	K-3 & K-4 Baghouse Stack		X	SF
04/22/15	2:00pm	Kiln Area	Kiln Feed Tanks		X	SF
04/22/15	1:35pm	#33	O'Brian Discharge		X	SF
04/22/15	11:15am	#49	#9 Tank Discharge		X	SF
04/22/15	1:35pm	#48	Crusher Oversize Return		X	SF
04/22/15	1:40pm	#40	Yogi Discharge 5/16		X	SF
04/22/15	10:30am	E3	Syntron #2		X	SF
04/22/15	1:30pm	#47	Symons Feed Belt		X	SF
Not in use		#46	Crusher Bypass			
04/22/15	1:30pm	#45	Crusher Discharge		X	SF
04/22/15	1:40pm	#42	5/16 Crossover Belt		X	SF
04/22/15	1:40pm	#41	Yogi Discharge 1/4		X	SF
04/22/15	1:45pm	#36	Overstrom Discharge		X	SF
04/22/15	8:35am	Raw Plant	Kiln Dust Baghouse		X	SF
04/22/15	2:05pm	Kiln Deck	Lime System Baghouse		X	SF
04/22/15	2:05pm	Finish End	Finish End Baghouse		X	SF
04/22/15	1:35pm	E3	Syntron #3		X	SF
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scew Conveyor			
04/22/15	9:30am	E18	K-4 Vibrating Conveyor		X	SF
04/22/15	9:30am	E17	K-3 Vibrating Conveyor		X	SF
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			

x

(rterly Formal Survey For Attachment 5
Part 70 Permit # 0036

2nd quarter

Visible Emissions other Than Uncombined water greater than zero percent for a period or periods Aggregating More than 3 Minutes in any one hour

Date	Time	Emissions Unit #	Emissions Unit Description	Yes	No	Initials
07/19/15	10:30am	#30	Bunker Incline Belt		X	SF
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
	2:00pm	E14	Tower Screen		X	SF
	2:00pm	#29	Radial Stacker		X	SF
	2:00pm	#26	K-3 Blue Belt		X	SF
	2:00pm	#25	K-4 Blue Belt		X	SF
07/18/15	1:45pm	E1	Grizzly Housing		X	SF
	1:45pm	E2	Syntron #1		X	SF
07/18/15	1:25pm	#15	Kiln Feed Tank Conveyor		X	SF
	1:25pm	#18	K-4 Discharge Conveyor		X	SF
	1:25pm	#19	K-3 Discharge Conveyor		X	SF
	1:35pm	#20	K-3 Feed Conveyor		X	SF
	1:35pm	#21	K-4 Feed Conveyor		X	SF
	1:35pm	#24	K-4 Incline Conveyor		X	SF
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
07/19/18	10:30am	N/A	Sand Loop Building		X	SF
Not in use		Finish End	9 Tank Silo			
	10:30am	E30	Vertical Impact Crusher		X	SF
	1:45pm	Raw Material	Raw Material Processing Shed		X	SF
	12:45pm	Kiln Area	K-3 & K-4 Baghouse Stack		X	SF
	12:45pm	Kiln Area	Kiln Feed Tanks		X	SF
	10:40am	#33	O'Brian Discharge		X	SF
		#49	#9 Tank Discharge			
	10:50am	#48	Crusher Oversize Return		X	SF
	11:00am	#40	Yogi Discharge 5/16		X	SF
	1:45pm	E3	Syntron #2		X	SF
	10:30am	#47	Symons Feed Belt		X	SF
Not in use		#46	Crusher Bypass			
	1:10pm	#45	Crusher Discharge		X	SF
	11:00am	#42	5/16 Crossover Belt		X	SF
	11:00am	#41	Yogi Discharge 1/4		X	SF
	11:05am	#36	Overstrom Discharge		X	SF
	12:45pm	Raw Plant	Kiln Dust Baghouse		X	SF
	11:45am	Kiln Deck	Lime System Baghouse		X	SF
	11:45am	Finish End	Finish End Baghouse		X	SF
	11:15am	E3	Syntron #3		X	SF
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scew Conveyor			
07/18/15	2:00pm	E18	K-4 Vibrating Conveyor		X	SF
07/18/15	2:00pm	E17	K-3 Vibrating Conveyor		X	SF
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			

rterly Formal Survey For Attachment 5
Part 70 Permit # 0036

3rd quarter

Visible Emissions other Than Uncombined water greater than zero percent for a period or periods Aggregating More than 3 Minutes in any one hour

Date	Time	Emissions Unit #	Emissions Unit Description	Yes	No	Initials
114/17/15	1:15pm	#30	Bunker Incline Belt		X	SF
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
11/17/15	1:00pm	E14	Tower Screen		X	SF
11/17/15	1:00pm	#29	Radial Stacker		X	SF
11/17/15	1:00pm	#26	K-3 Blue Belt		X	SF
11/17/15	1:00pm	#25	K-4 Blue Belt		X	SF
11/17/15	2:05pm	E1	Grizzly Housing		X	SF
11/17/15	2:05pm	E2	Syntron #1		X	SF
11/17/15	2:35pm	#15	Kiln Feed Tank Conveyor		X	SF
11/17/15	2:35pm	#18	K-4 Discharge Conveyor		X	SF
11/17/15	2:35pm	#19	K-3 Discharge Conveyor		X	SF
11/17/15	2:30pm	#20	K-3 Feed Conveyor		X	SF
11/17/15	2:30pm	#21	K-4 Feed Conveyor		X	SF
11/17/15	2:30pm	#24	K-4 Incline Conveyor		X	SF
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
	1:15pm	N/A	Sand Loop Building		X	SF
Not in use		Finish End	9 Tank Silo			
11/17/15	1:15pm	E30	Vertical Impact Crusher		X	SF
11/17/15	2:05pm	Raw Material	Raw Material Processing Shed		X	SF
11/17/15	2:25pm	Kiln Area	K-3 & K-4 Baghouse Stack		X	SF
11/17/15	2:25pm	Kiln Area	Kiln Feed Tanks		X	SF
11/17/15	1:25pm	#33	O'Brian Discharge		X	SF
Not in use		#49	#9 Tank Discharge			
11/17/15	1:20pm	#48	Crusher Oversize Return		X	SF
11/17/15	1:25pm	#40	Yogi Discharge 5/16		X	SF
11/17/15	2:05pm	E3	Syntron #2		X	SF
11/17/15	1:15pm	#47	Symons Feed Belt		X	SF
Not in use		#46	Crusher Bypass			
11/17/15	1:15pm	#45	Crusher Discharge		X	SF
11/17/15	1:35pm	#42	5/16 Crossover Belt		X	SF
11/17/15	1:35pm	#41	Yogi Discharge 1/4		X	SF
11/17/15	1:35pm	#36	Overstrom Discharge		X	SF
11/17/15	2:25pm	Raw Plant	Kiln Dust Baghouse		X	SF
11/17/15	1:45pm	Kiln Deck	Lime System Baghouse		X	SF
11/17/15	1:45pm	Finish End	Finish End Baghouse		X	SF
11/17/15	1:15pm	E3	Syntron #3		X	SF
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scew Conveyor			
11/18/15	1:00pm	E18	K-4 Vibrating Conveyor		X	SF
11/18/15	1:00pm	E17	K-3 Vibrating Conveyor		X	SF
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			

APPENDIX F

PO0036PC7

Water Spray Logs

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 3/23/16 Time 9am

Kiln Cooler(s)/ water sprays equipment

	K-3	K-4
Inspect for proper operations:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

	Operating	**Malfuntion**
Inspect Water Spray(s) Systems for Operations and any malfunctions:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Dunker

Signature

Date 3/23/16

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 3/9/16 Time 10am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☐ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;
Ontal Service Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☐ NO

Note: If yes give explanation and action taken;
Ontal Service Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Dunlap

Signature

Date 3/9/16

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 2/24/16 Time 9am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of Service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Dunker

Signature

Date 2/24/16

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 2/10/16 Time 10a

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken:
Out of Service, Equipment Broken Removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken:
Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature _____

Date 2/10/16

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 1/27/16 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;
Water Service Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;
Water Service Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Ponzer

Signature

Date 1/27/16

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 1/13/16 Time 9am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Duncan

Signature Daniel Duncan

Date 1/13/16

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 12/30/15 Time 10 a m

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:_____

Inspected By (print name) Daniel Dunker

Signature [signature]

Date 12/30/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60 subpart 000)

To be Completed Every Two Weeks:

Date 12/16/15 Time 9:30am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:

	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:

	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Duncan

Signature

Date 12/16/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 12/2/15 Time 10am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature _____

Date 12/2/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 11/18/15 Time 10 a m

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature _____

Date 11/18/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 11/4/2015 Time 10am

Kiln Cooler(s)/ water sprays equipment

	K-3	K-4
Inspect for proper operations:	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

	Operating	**Malfuntion**
Inspect Water Spray(s) Systems for Operations and any malfunctions:	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Duncan

Signature

Date 11/4/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 10/21/15 Time 9:30am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;
Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;
Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Dunkerley

Signature

Date 10/21/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 10/7/15 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;
Out of service Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	Operating	Malfuntion
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;
Out of service Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature Daniel Dunker

Date 10/7/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 9/23/15 Time 10a

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [signature]

Date 9/23/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 9/2/2015 Time 9am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunbar

Signature Daniel Dunbar

Date 9/9/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 8/26/15 Time 9am

Kiln Cooler(s)/ water sprays equipment

	K-3	K-4
Inspect for proper operations:	☐ YES ☑ NO	☑ YES ☐ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

	Operating	Malfuntion
Inspect Water Spray(s) Systems for Operations and any malfunctions:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dyke

Signature [signature]

Date 8/26/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 8/12/2015 Time 10:00 am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment have been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of Service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [signature]

Date 8/12/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 7/29/15 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature Daniel Dunker

Date 7/29/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 7/15/15 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

	K-3	K-4
Inspect for proper operations:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

	Operating	**Malfuntion**
Inspect Water Spray(s) Systems for Operations and any malfunctions:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Dunker

Signature Daniel Dunker

Date 7/15/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 7/1/15 Time 9:30

Kiln Cooler(s)/ water sprays equipment

	K-3	K-4
Inspect for proper operations:	☐ YES ☐ NO	☐ YES ☐ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

	Operating	Malfuntion
Inspect Water Spray(s) Systems for Operations and any malfunctions:	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Dunbar

Signature

Date 7/1/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 6/17/15 Time 9:30a

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:

	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:

	Operating	Malfuntion
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician Signature/Date:

Inspected By (print name) Daniel Dunker

Signature [signature]

Date 6/17/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 6/3/15 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

	K-3	K-4
Inspect for proper operations:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out for service, Raymond has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

	Operating	Malfuntion
Inspect Water Spray(s) Systems for Operations and any malfunctions:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out for service, Raymond has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [signature]

Date 6/3/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 5/20/15 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:_____.

Inspected By (print name) Daniel Dunker

Signature _____

Date 5/20/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 5/6/15 Time 9:30am

Kiln Cooler(s)/ water sprays equipment

	K-3	K-4
Inspect for proper operations:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

	Operating	**Malfuntion**
Inspect Water Spray(s) Systems for Operations and any malfunctions:	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;

Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunbar

Signature Daniel Dunbar

Date 5/6/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 4/22/15 Time 9:30 a.m.

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;
Out of Service, equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☑ NO	☐ YES ☑ NO

Note: If yes give explanation and action taken;
Out of service, equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By (print name) Daniel Dunker

Signature

Date 4/22/15

Water Sprays and Operational Inspection

Trinity ES&C Frazier Park Facility
(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000)

To be Completed Every Two Weeks:

Date 4/8/15 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:	K-3	K-4
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;
Out of service, Equipment has been removed

(Description of any malfunction and a description of any necessary repairs

Sand Coversion Belt Dust Suppresion System:

Inspect Water Spray(s) Systems for Operations and any malfunctions:	**Operating**	**Malfuntion**
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;
Out of service, Equipment has been removed

Maintenance department; Describe corrective action (parts needed, and/or installed, etc.

Maint. Technician
Signature/Date:

Inspected By ~~(print name)~~ Daniel Dunker

Signature Daniel Dunker

Date 4/8/15

APPENDIX G

PO0036PC2 Condition 3

CEMS Log

LWFP LLC DBA Trinity Frazier Park
Permit to Operate 0036

Summary of Excess Emissions
GM-31 Nox Emissions
April 1, 2015 - March 31, 2016

Device	Date	Time	Nox Emissions Excess (lb/hr)	Comment
Kiln #4 GM-31	8/11/2015	11am	1.05	Excess emissions on Kiln #3 due to operator error.

LWFP LLC DBA Trinity Frazier Park
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Break down Periods
GM-35 Co Break down summary
April 1, 2015 - March 31, 2016

Device	Date	Period	Comment
Kiln #3 GM-35	5/26/2015 5/27/2015 5/28/2015 5/29/2015 5/30/2015	7pm to 11pm 12am to 5am 12am to 4am 12am to 10am 2am to 10am	The CO monitoring device would run calibrations and stamp an "Out of Control" message. It was discovered that there was a bad motor. Once the motor was replaced, calibrations were able to be performed correctly without a warning message.

LWFP LLC DBA Trinity Frazier Park
Permit Number 0036

Break down Periods
NOX Break down summary
April 1, 2013 - March 31, 2014

Device	Date	Period	Comment
Kiln #3 GM-32	10/10/2015 to 10/11/2015	1150am to 9am	Power to the unit appeared to go out. However, it was discovered by an electrician that parts inside of the unit were burned up. The kiln was then shutdown and SICK was called out to evaluate and troubleshoot.

LWFP LLC DBA Trinity Frazier Park
Permit Number 0036

Break down Periods
SO2 Break down summary
April 1, 2013 - March 31, 2014

Device	Date	Period	Comment
Kiln #4 GM-31	6/19/2015 to 6/22/2015	8:02am to 12:00pm	On July 10, 2015 while collecting data for the June monthly report, it was discovered that a calibration had failed on the 19th, 20th and 21st of June. The calibrations were shown as being missing. Nexus was called to investigate.
Kiln #3 GM-32	10/10/2015 to 10/11/2015	1150am to 9am	Power to the unit appeared to go out. However, it was discovered by an electrician that parts inside of the unit were burned up. The kiln was then shutdown and SICK was called out to evaluate and troubleshoot.

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Break down Periods
O2 Probe Break down summary
April 1, 2015 - March 31, 2016

Device	Date	Period	Comment
Kiln #3 O2 Probe	5/29/2015 5/30/2015 5/31/2015 to 6/1/2015	8:00am to 3:30 pm 8:00am to 9:15am 8:00am to 8:00am	We were having problems with the calibration with the O2 Probe. It would go into calibration but seemed to come out too soon. Nexus was called to fix it.
Kiln #4 O2 Probe	6/19/2015 to 6/22/2015	8:02am to 12:00pm	On July 10, 2015 while collecting data for the June monthly report, it was discovered that a calibration had failed on the 19th, 20th and 21st of June. The calibrations were shown as being missing. Nexus was called to investigate.
Kiln #4 O2 Probe	1/23/2016 to 1/26/2016	8am to 1230 pm	It was discovered that the calibration was not being successful. The unit was worked on through consultation with SICK. While disassembling the unit, it was found that a cell assembly was broken. The kiln was shut down until the parts were available and the unit was fixed.
Kiln #3 O2 Probe	1/24/2016 to 1/26/2016	8am to 8:32am	The unit was failing calibration. The problem was troubleshot through consultation with SICK. The kiln was shutdown until the unit was fixed by installing a new cell into the unit.