

Trinity ES&C

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

May 8, 2017

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

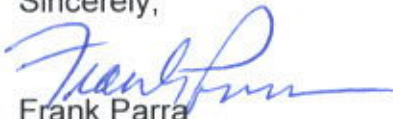
LW FP LLC DBA Trinity Frazier Park
APCD Permit to Operate No. 00036
RE: Annual Emission Compliance Certification

Dear Sirs:

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

If you have any further questions please contact me at 661-245-3736.

Sincerely,



Frank Parra
Plant Manager
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

Steve Fernandes- LW FP LLC



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.

<p>Signature and Title of Responsible Official:</p> <p><i>Franklin</i></p> <p>Title: <i>PLANT MANAGER</i></p>	<p>Date:</p> <p><i>5/11/17</i></p>
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<p>Time Period Covered by Compliance Certification</p> <p>04 / 01 /16 (MM/DD/YY) to 03 /31 /17 (MM/DD/YY)</p>
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Ventura County
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ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16(MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO, 08.31.83</p>	<p>D. Frequency of monitoring: Annual certification ; As requested by VCAPCD</p>
<p>B. Description: Conditions 1-13 Standards of performance for Nonmetallic Mineral Processing Facilities for equipment installed before August 31, 1983</p>	<p>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</p>
<p>C. Method of monitoring: Source Tests and opacity reading upon request of VCAPCD. EPA Method 5, EPA Method 17, EPA Method 9, and EPA Method 22 Annual certification</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC1 Condition #1</p>	<p>D. Frequency of monitoring: Monthly throughput and consumption records- Attached in Appendix A and Appendix B as applicable</p>
<p>B. Description: Rule 26 General Recordkeeping</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable</p>
<p>C. Method of monitoring: -Submittal of Annual Compliance Certification -Monthly records of throughput and consumption</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC1 Condition #2</p>	<p>D. Frequency of monitoring: Annual compliance statement. Recordkeeping of non-exempt solvent usage-N/A this reporting Period</p>
<p>B. Description: Rule 29 Solvent Recordkeeping</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable</p>
<p>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.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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A. Attachment # or Permit Condition #: PO0036PC2 Condition #1	D. Frequency of monitoring: Consumption data and calculations attached in Appendix B.
B. Description: Rule 26- Annual Natural Gas consumption limits for Kilns 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	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO0036PC2 Condition 2	D. Frequency of monitoring: Annual- See Attached Source Test Form
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 ARB Method 100
C. Method of monitoring: -Annual compliance certification - Once every twelve Months NOx, CO and O2 monitored ARB Method 100. Exhaust flow monitored ARB Method 2 - Hourly emissions of NOx are limited to 6.9 and 5.6 lbs/hr for Kiln 3 and 4 respectively	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO0036PC2 Condition 3	D. Frequency of monitoring: Annual- See Attached Source Test Form and Appendix G CEMS log
B. Description: Rules 103 NOx and CO CEMs for Kiln Nos. 3 and 4. Per 40 CFR Part 51, Appendix P.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Annual RATA
C. Method of monitoring: -Annual compliance certification - CEM installed for NOx and CO - Relative Accuracy (RA) test for CEMs every twelve Months and NOx, CO and O2 monitored ARB Method 100. Exhaust flow monitored ARB Method 2 - Monthly reports have been submitted, summary attached.	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form



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A. Attachment # or Permit Condition #: PO0036PC2 Condition 4	D. Frequency of monitoring: Annual- See Attached Source Test Form
B. Description: Rule 103.B.2. Recordkeeping NOx and CO CEMs for Kiln Nos. 3 and 4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Annual RATA
C. Method of monitoring: -Annual compliance certification - Record average concentrations, calibrations and other requirements of CEMs - Monthly reports have been previously submitted, summary attached.	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO0036PC2 Condition 5	D. Frequency of monitoring: Within 96 hours NOx and/or CO violations reported in writing
B. Description: Reporting Emission Violations	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable
C. Method of monitoring: District Rule 103- 96 hour written notification of violations of NOx and/or CO violations.	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO0036PC2 Condition 6	D. Frequency of monitoring: CEM continuous data collections during affected source operating hours.
B. Description: CEMS Data	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable
C. Method of monitoring: CEMs measure concentration in parts per million by volume (ppmv) and calculates mass emission rates to pounds per hour (lb/hr).	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form



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<p>A. Attachment # or Permit Condition #: PO0036PC2 Condition 7</p>	<p>D. Frequency of monitoring: Annual RATA- See Attached Source Test Form</p>
<p>B. Description: Annual RATA Testing for CEMs</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ARB Method 100 and ARB Method 2</p>
<p>C. Method of monitoring: Annual Relative Accuracy Testing of CO and NOx CEMs using ARB method 100 for NOx, CO, and stack Oxygen. ARB method 2 for exhaust flow.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC3 Condition 1</p>	<p>D. Frequency of monitoring: Production Records Attached in Appendix A</p>
<p>B. Description: Production limit parameters and particulate matter emission limits for Kilns 3 and 4</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Daily, monthly and twelve month rolling average records of light weight aggregate produced.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC3 Condition 2</p>	<p>D. Frequency of monitoring: Annual- See Attached Source Test Form</p>
<p>B. Description: Particulate matter emission limits for Kilns 3 and 4</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 5</p>
<p>C. Method of monitoring: Particulate emissions are limited to 0.2748 lb/ton of light weight aggregate process for each kiln #3 and Kiln #4. Testing by CARB Method 5 to be done once every twelve months.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>Y</u></p> <p>*If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO0036PC3 Condition 3</p>	<p>D. Frequency of monitoring: Recordkeeping</p>
<p>B. Description: Particulate and opacity emission limits for Kilns 3 and 4.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Kilns to have bag houses installed and no visible emissions from kiln hoods, kilns seals or kiln exhaust ducts (upstream of bag houses). Records to be kept on-site per other conditions of permit.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC3 Condition 4</p>	<p>D. Frequency of monitoring: Broken Bag house Leak Detector monitored during affected source operation hours.</p>
<p>B. Description: Opacity limits for Kilns 3 and 4</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 9</p>
<p>C. Method of monitoring: Permittee shall not discharge into atmosphere more than three minutes in one hour darker than Ringelmann No. 1 or 20% opacity. The bag house is equipped with a CPM 750 bag house leak detector with alarm indicator when the alarm indicates a leak the kiln operator will do a visual inspection for dust. (EPA Method 9 and EPA Method 22)</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC3 Condition 5</p>	<p>D. Frequency of monitoring: Daily, monthly and quarterly logs.</p>
<p>B. Description: Kilns 3 and 4 bag house inspection observations and recordkeeping</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Daily, weekly and quarterly bag house inspection logs.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



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A. Attachment # or Permit Condition #: PO0036PC3 Condition 6	D. Frequency of monitoring: Annual Stack test- Per Condition 2
B. Description: Particulate matter limits per VCAPCD Rule 52 and Rule 53 for Kilns 3 and 4.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
C. Method of monitoring: Annual stack testing CARB Method 5. Permit PO0036PC3 Condition 2 is deemed more strict than Rule 52 and Rule 53 so monitoring requirements for that rule meet this requirement (as stated by Po0036PC3 Condition 7).	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO0036PC3 Condition 7	D. Frequency of monitoring: Annual- See Attached Source Test Form
B. Description: Particulate matter limits per VCAPCD Rule 52 and Rule 53 for Kilns 3 and 4. Compliance evaluation Condition. Stating Permit PO0036PC3 Condition 2 is more stringent than Rule 52 and Rule 53 and Condition 2 shall be used for Rule 52 and 53.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 5
C. Method of monitoring: Annual stack testing CARB Method 5 per Permit PO0036PC3 Condition 2.	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO0036PC3 Condition 8	D. Frequency of monitoring: Annual- See Attached Source Test Form
B. Description: Particulate Matter emission limits and recordkeeping for CAM for Kilns 3 and 4.	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, baghouse pressure drop and baghouse temperatures. Installation of baghouse leak detector with semi-annual inspections. Annual CARB Method 5 testing and as needed EPA Method 9	F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form



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<p>A. Attachment # or Permit Condition #: PO0036PC3 Condition 9</p>	<p>D. Frequency of monitoring: Monthly Report to VCAPCD</p>
<p>B. Description: Monthly report submittal of clay processed, bag house temperature, and Broken Bag Detector Data</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Monthly Report to VCAPCD</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO00036PC4</p>	<p>D. Frequency of monitoring: Recordkeeping and Annual Compliance Statement</p>
<p>B. Description: Rule 26- Standby Feed System Annual certification that the Primary System and the standby raw material system were not run simultaneously.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Recordkeeping demonstrating compliance. A control system interlock has been installed to prevent simultaneous operations of these two systems. - Compliance Statement: In this reporting period the standby raw material feed system was not operated simultaneously with the primary raw material feed system.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC5 Condition 1</p>	<p>D. Frequency of monitoring: Recordkeeping</p>
<p>B. Description: Rule 26- Extrusion Process Using Diesel #2 or Biodiesel only</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Recordkeeping</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO0036PC5 Condition 2</p>	<p>D. Frequency of monitoring: Recordkeeping</p>
<p>B. Description: Rule 26- Extrusion Process Using Diesel #2 or Biodiesel annual use of 150,000 gallons/year</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Recordkeeping</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC5 Condition 3</p>	<p>D. Frequency of monitoring: Recordkeeping</p>
<p>B. Description: Rule 26- Extrusion Process Using Diesel #2 or Biodiesel Recordkeeping for delivery, and use of Diesel #2 or Biodiesel</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Fuel supplier and delivery recordkeeping, as well as monthly usage</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC5 Condition 4</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Extrusion Process Using Diesel #2 or Biodiesel reporting to VCAQMD monthly of deliveries, amount and supplier.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Report to VCAQMD</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO0036PC5 Condition 5</p>	<p>D. Frequency of monitoring:</p> <p>Fuel Delivery Data is attached in Appendix C</p>
<p>B. Description:</p> <p>Rule 26-Extrusion Process Using Diesel #2 or Biodiesel certification fuels shall not exceed 15 ppm sulfur and supplier or site specific testing per delivery</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Sulfur testing data or supplier testing data provided in annual certification</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC5 Condition 6</p>	<p>D. Frequency of monitoring:</p> <p>Fuel Delivery Data is attached in Appendix C</p>
<p>B. Description:</p> <p>Extrusion Process Using Biodiesel supplier certification that deliveries meet ASTM D-6751.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Recordkeeping of deliveries. Submittal of data in annual certification.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC6</p>	<p>D. Frequency of monitoring:</p> <p>Quarterly analysis attached in Appendix D</p>
<p>B. Description:</p> <p>Finish Product moisture content shall be maintained at greater than or equal to 3% moisture by weight.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Quarterly sampling from belts #25 and #26 using current version of ASTM Test Method C 566. Quarterly reports submitted with annual certification.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO0036PC7 Conditions 1, 2, 5 and 6</p>	<p>D. Frequency of monitoring: Quarterly Readings are Attached in Appendix E</p>
<p>B. Description: 40 CFR Part 60 Subpart OOO visual dust limits and Monitoring</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Quarterly dust evaluation of affected sources per applicable emissions limits in Rule 50 and 40 CFR Part 60 Subpart OOO requirements utilizing EPA Method 9 or other test methods as approved by VCAQMD.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO0036PC7 Conditions 3 and 4</p>	<p>D. Frequency of monitoring: Water Spray logs are Attached in Appendix F</p>
<p>B. Description: Installation and Monitoring of water sprays for fugitive dust control</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Recordkeeping- Log of inspections conducted every two weeks on water spray equipment. No applicable equipment was in operation for the compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO00036PC8 Conditions 1, 2 and 3</p>	<p>D. Frequency of monitoring: Annual- See Attached Source Test Form</p>
<p>B. Description: Particulate Matter Emissions for Finish End Baghouse</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 5</p>
<p>C. Method of monitoring: Recordkeeping of baghouse inspections and maintenance. Annual Particulate Testing with CARB Method 5. EPA Method 9 as applicable</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: PO00036PC8 Conditions 4, 5 and 6</p>	<p>D. Frequency of monitoring: Recordkeeping Daily, Weekly and Quarterly. Attached in Appendix E</p>
<p>B. Description: Particulate Matter Emissions visible emissions limit of 20% for Finish End Baghouse Inspections and Recordkeeping.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Recordkeeping of baghouse inspections and maintenance on a daily, weekly and quarterly basis. Logs to be kept on-site for VCAPCD review or request.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO00036PC9 Conditions 1, 2, 3, 4, 6, 8, 9, 10, 11</p>	<p>D. Frequency of monitoring: Annual RATA and source testing. Hourly CEM emissions recordkeeping and lime usage.</p>
<p>B. Description: Sulfur Dioxide (Sox) emissions limits and monitoring for Kilns #3 and #4. Installation and recordkeeping of Sox CEM system and compliance with 7.61 lbs/hr for kiln #3 and 8.28 lbs/hr for Kiln #4 and not exceed 300 ppm by volume. Requires installation of lime injection system as control.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See Attached Source Test Form Annual RATA</p>
<p>C. Method of monitoring: Install and maintain a Sox CEM system and perform annual RATA and Source Testing. CEM recordkeeping to have hourly and annual Sox emissions calculated. Installation of lime injections system and recordkeeping of hourly lime usage rates. Installation of O2 CEMs so that Sox can be reported on a dry basis corrected to 15% Exhaust gas content.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

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



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<p>A. Attachment # or Permit Condition #: Attachment 50- Rule 50 - Opacity Condition 1</p>	<p>D. Frequency of monitoring: Annual (compliance certification) and per requirement shown below in Conditions 2,3, and 4</p>
<p>B. Description: General Applicable Requirements No discharge from any single source air contaminants for period aggregating more than three (3) minutes that are darker in shade than Ringelmann Chart - No 1 as published by the US Bureau of Mines, unless exempted by Rule 50</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring : Routine, periodic surveillance and visual inspections with details per Conditions No 2, # 3., and # 4 Annual Compliance Certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>
<p>A. Attachment # or Permit Condition #: Attachment 50 – Rule 50-Opacity –Condition 2</p>	<p>D. Frequency of monitoring: Annual (compliance certification) and periodic routine surveys and inspections</p>
<p>B. Description: General Applicable Requirements Periodic survey and visual inspections. A record shall be kept of visible emissions other than uncombined water greater than 0 % for periods aggregating more than three (3) minutes in any one hour. Records shall include the date , time and identity of emissions unit. If visible emission problem cannot be corrected within 24 hour, permittee shall provide verbal notification to the District within the subsequent 24 hours</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Periodic surveys and visual inspection. . Records maintained on site and submitted to the District upon request Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>
<p>A. Attachment # or Permit Condition #: Attachment 50 –Rule 50 Opacity –Condition 3</p>	<p>D. Frequency of monitoring: Visible Emissions in Appendix E</p>
<p>B. Description: General Applicable Requirements On quarterly basis, verify all emission units are complying with Rule 50</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Opacity via EPA Method 9 as applicable.</p>
<p>C. Method of monitoring: . Submit quarterly compliance verifications with annual compliance certification and shall include a formal survey identifying the date , time, emission unit, and verification that there are no visible emission other than uncombined water greater than zero (0) percent or , as an alternative, the quarterly verifications shall include a formal survey identifying the date, time, emission unit, and verification that there are no visible emissions for a period(s) aggregating more than 3 minutes in any 1 hour equivalent to 20% opacity and greater as determined by a person certified to read EPA Method 9 or other approved method..</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment 50 Rule 50 Condition 4</p>	<p>D. Frequency of monitoring: Annual (compliance certification) and Per FDRP</p>
<p>B. Description: General Applicable Requirements Maintain and implement a Fugitive Dust Reduction Plan (FDRP). The FDRP shall include use of dust suppressant or chemical stabilizer, use of paved area rumble gates or gravel pads to minimize trackout, and use of posted speed limits on unpaved haul roads</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: General Applicable Requirements Annual Compliance certification; Records and Reports shall be maintained at the facility (and submitted to the District upon request). Monitoring, Record keeping and report required by FDRP. Fugitive Dust Plan was prepared prior to June 30, 2006. Records are maintained for application of water and routine plant surveillance</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 54 .B.1-36 Rule 54.B.1</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements Per Rule 54, for units excluding Kiln No 3 and Kiln no 4, that combust gas or liquid fuels. No discharge of sulfur compounds (that are liquid or gas at standard conditions) in excess of 300 ppm by volume from any combustion operation</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification O2 Monitoring requirement be installed under Rule 54 B.1) By September 2014 So that sulfur dioxide concentrations can be reported on a dry basis, corrected to 15% Exhaust gas oxygen content.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 54.B.2-Sulfur compounds</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements Rule 54.B.2-36- Sulfur compounds from combustion units excluding Kiln3 and Kiln 4 Sulfur compounds that are gas or liquid at standard condition shall no results in average ground or sea level concentrations at or beyond the property line in excess of 0.254 ppmv averaged over 1 hour or 0.04 ppmv averaged over any 24-hour period Upon District request, determine ground or sea levels concentrations of SO2</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not test requested, If applicable use SO2 via BAAQMD Manual of Procedures</p>
<p>C. Method of monitoring: Annual Compliance Certification This facility is not required to maintain fuel or exhaust analysis to demonstrate compliance with Rule 54B.2 because there are no additional process combustion emission units and Kiln #3 and Kiln #4 are excluded.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> Y </u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment 64.B.1 Sulfur content gaseous fuels</p> <p>B. Description: General Applicable Requirements Rule 64.B.1 - Sulfur Content of Fuels No facility shall burn fuel containing sulfur compounds in excess of 50 grains 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 Records of annual and quarterly testing if gas is other than PUC –quality gas, propane or butane</p> <p>C. Method of monitoring: Annual compliance certification Not testing required if gas is PUC-quality and only Public Utility Commission Regulated Natural Gas is used at this facility. Additional periodic monitoring is not required. Records of natural gas purchase (bills) are maintained.</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p> <p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable SCAQMD 307-94 or ASTM D1072-90 or ASTM D4180-88 or ASTM 4084-94 (if applicable)</p> <p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>
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<p>A. Attachment # or Permit Condition #: Attachment 64.B.2 -Sulfur Content Liquid Fuels</p> <p>B. Description: General Applicable Requirements 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 facility, it will be assumed that the permitted is complying with Rule 64 without additional periodic monitoring requirements. But records must be maintained to substantiate the use of these</p> <p>C. Method of monitoring: Annual compliance certification. Facility only uses ARB –certified liquid fuels and maintains records of the fuels. . If other than ARB-quality reformulated gasoline or ARB-certified diesel fuels is being combusted, the permitted shall obtain the fuel supplier's certification or shall test the sulfur content of the fuel and the Fuel supplier's certification or fuel test per each delivery shall be submitted with annual compliance certifications</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p> <p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p> <p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>
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<p>A. Attachment # or Permit Condition #: Attachment 74.6</p> <p>B. Description: General Applicable Requirements Rule 74.6 Solvent cleaning and degreasing Maintain current solvent information Routine surveillance of solvent cleaning activities. Upon request, solvent testing If applicable, measurement of freeboard height and drain hole area for cold cleaners</p> <p>C. Method of monitoring: Annual compliance certification; Maintain current solvent information The facility uses non-ROC and aerosol can solvents exempt per Condition 11 - Only surface cleaners with non-reactive organic compounds (i.e. non-ROCs) are used (citrus oil based). The facility maintains records showing the solvents used.</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p> <p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p> <p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>
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<p>A. Attachment # or Permit Condition #: Attachment 74.11.1 Water Heaters and Boilers</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements Rule 74.211.1 Large Water Heaters and Small Boilers After December 31, 2000 may not install 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 unless it meets certain criteria.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Annual compliance certification N/A there are no water heaters, boilers, steam generators or process heaters with a rated heat input capacity of greater than 75,000 BTU/hr at this stationary source. May apply to future installation of large water heater or small boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 74.22 Central Furnace</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements Rule 74.22 Natural Gas Central Furnace: 1. 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. 2. 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.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>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.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

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



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<p>A. Attachment # or Permit Condition #: Attachment 74.2</p>	<p>D. Frequency of monitoring:</p> <p>Annual (compliance certification) and routine periodic monitoring</p>
<p>B. Description:</p> <p>Rule 74.2 Architectural Coating</p> <p>The VOC content of architectural coatings shall not exceed the following standards, unless exempt: VOC in flat coatings less than 100 grams/liter; VOC in nonflat coating <+150 grams/liter of coating, excluding water, exempt compounds and colorant; Voc content of nonflat-high-gloss coatings <+ 250 grams per liter of coating, excluding water, exempt organics and t.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p> <p>VOC: EPA Method 24 /CARB Method 432; Acid Content: ASTM D1613-95; Metal: SCAQMD 311-91</p>
<p>C. Method of monitoring:</p> <p>Annual compliance certification; Routine surveillance Periodic inspection of coatings used for containers with volumes > 1 liter and excluding aerosol coatings; Maintain VOC records of inspections and actions taken, including maintain records of VOC content for non-exempt coatings used at the site, if any. Submit information upon district upon request.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u></p> <p>*If yes, attach Deviation Summary Form</p>

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

<p>A. Attachment # or Permit Condition #: Attachment 40CFR61.M</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p> <p>National Emission Standard for Asbestos</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p> <p>Annual Compliance Certification</p> <p>No asbestos demolition or renovation took place during the compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u></p> <p>*If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #1</p> <p>For equipment installed or modified after April 22, 2008</p> <p>Description::</p> <p>No stack emissions from any transfer point on belt conveyor which contain particulate in excess of 0.032 g/dscm.</p>	<p>D. Frequency of monitoring:</p> <p>Upon request of VCAPCD</p>
<p>C. Method of monitoring:</p> <p>N/A-No uncontrolled stack emission for transfer point</p>	<p>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</p> <p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #2</p> <p>B. Description:</p> <p>Fugitive emissions from belt conveyor transfer points shall not exhibit greater than 7 percent opacity</p>	<p>D. Frequency of monitoring:</p> <p>Routine , periodic visible emission monitoring</p>
<p>C. Method of monitoring:</p> <p>-Submittal of Annual Compliance Certification -Facility records routine periodic visible emission monitoring</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable</p> <p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #3</p> <p>B. Description:</p> <p>Fugitive emissions from a crusher shall not exhibit greater than 12 percent opacity.</p>	<p>D. Frequency of monitoring:</p> <p>Annual certifications</p>
<p>C. Method of monitoring:</p> <p>N/A, no crushers have been installed after April 22, 2008</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable</p> <p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #4</p>	<p>D. Frequency of monitoring: Annual certification; Routine periodic visible emission monitoring</p>
<p>B. Description: Any transfer point on an enclosed conveyor belt must comply with the above limits or the enclosure must have no visible emissions except from a vent. The vent shall comply with the limits of condition #1.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable</p>
<p>C. Method of monitoring: Annual certification Routine periodic visible emission monitoring</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #5</p>	<p>D. Frequency of monitoring: Annual stack test - See Attached Source Test Form</p>
<p>B. Description: Stack emissions from baghouses controlling emissions from an individual enclosed storage bin shall not exhibit greater than 7 percent opacity.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARbN%, EPA Method 9 and/or 22</p>
<p>C. Method of monitoring: -Annual compliance certification Stacks are tested annually in accordance with permit conditions</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #6, #7, #8</p>	<p>D. Frequency of monitoring: Annual- certification</p>
<p>B. Description: #6, Emissions concentration and opacity limits shall not apply to truck dumping of nonmetallic minerals, startup, shutdown or malfunction. #7, The permittee shall maintain records of occurrences and duration of startup, shutdown or malfunction. #8, Upon request by the District, the permittee shall perform emissions tests to determine compliance with the emission limits and opacity requirements.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: -Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #9</p>	<p>D. Frequency of monitoring: Annual certification; periodic routine application</p>
<p>B. Description: On a monthly basis, the permittee shall inspect all water spray equipment, initiate any necessary repairs within 24 hours and record the date of each inspection and corrective action in a log book.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Annual RATA</p>
<p>C. Method of monitoring: -Annual compliance certification Logs of water spray application (for applicable equipment that is operating)</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #10, #11</p>	<p>D. Frequency of monitoring: Annual compliance certification</p>
<p>B. Description: #10: A wet scrubber shall be equipped with calibrated continuous monitoring of a) pressure loss of the gas stream and b) scrubbing liquid flow rate. #11: The permittee shall maintain records of the continuous monitoring of the wet scrubber.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable</p>
<p>C. Method of monitoring: N/A., no wet scrubbers have been installed after April 22, 2008 Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #12</p>	<p>D. Frequency of monitoring: Routine periodic visible emission monitoring ; annual certification</p>
<p>B. Description: The permittee shall submit written reports to the District of results of all performance tests to demonstrate compliance with emission concentration and opacity limits, including Method 9 and Method 22 observations.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable</p>
<p>C. Method of monitoring: Annual compliance certification Logs of routine periodic monitoring and visible emission monitoring.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16(MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # 40 CFR Part 60, Subpart OOO (4.22.08) Condition #13</p>	<p>D. Frequency of monitoring: Annual certificaion</p>
<p>B. Description: The permittee shall report any change in process material from saturated material to unsaturated material within 30 days following such change. At the time of such change, the screening operation, bucket elevator, or belt conveyor becomes subject to the opacity standards.</p>	<p>E.</p>
<p>C. Method of monitoring: Annual compliance certificaion</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #:</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p>	<p>E.</p>
<p>C. Method of monitoring:</p>	<p>F. Currently in Compliance? (Y or N): <u> </u> G. Compliance Status? (C or I): <u> </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #:</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 5</p>
<p>C. Method of monitoring:</p>	<p>F. Currently in Compliance? (Y or N): <u> </u> G. Compliance Status? (C or I): <u> </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> </u> *If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 03/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment 55- Rule 55: Fug. Dust ,Condition 1</p>	<p>D. Frequency of monitoring:</p> <p>Annual (compliance certification) and routine periodic surveillance</p>
<p>B. Description: Per Applicable Requirements of Rule 55.B.1</p> <p>No discharge of fugitive dust from applicable source visible more than 50 feet from the property boundary or more than midway across adjacent roadway</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring :</p> <p>Routine, periodic surveillance and visual inspections</p> <p>Annual Compliance Certification. Monitoring, Record keeping and report required by Fugitive Dust Reduction Plan (FDRP). The FDRP includes use of dust suppressant/ chemical stabilizer, use of paved area or gravel pads to minimize track-out, and use of posted speed limits on unpaved haul roads</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u></p> <p>*If yes, attach Deviation Summary Form</p>
<p>A. Attachment # or Permit Condition #: Attachment 55 –Rule 55 -Fug. Dust, Condition 2</p>	<p>D. Frequency of monitoring:</p> <p>Annual (compliance certification) and periodic inspections..</p>
<p>B. Description: Per General Applicable Requirements Rule 55.B.2</p> <p>No discharge of fugitive dust from applicable source such that emission from source creates greater than 20% opacity for more than 3 minutes (cumulative) within 1 hour.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable. Not applicable</p>
<p>C. Method of monitoring:</p> <p>Periodic routine visual inspection.</p> <p>Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 55-Rule 55 Fug. Dust –Condition 3</p>	<p>D. Frequency of monitoring: Periodic visual inspection and annual compliance certification</p>
<p>B. Description: General Applicable Requirements per Rule 55.B.3</p> <p>No track-out to extend 25 feet or more in length unless specific control measure is utilized: either track-out area improvement, track-out prevention, or track-out removal</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring:</p> <p>Records and periodic inspection.</p> <p>Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u></p> <p>*If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment 55-Rule 55 Fug Dust, Condition 4</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements per Rule 55.B.3.b All track-out to be removed at end of each operating day , per conditions in Rule 55 B.3.b</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: General Applicable Requirements Annual Compliance certification; Records and Reports maintained at the facility</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 55.C</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements per Rule 55.C Per Rule 55C, comply with specific activity requirements as designated in Rule 55C ,for earth -moving, bulk material handling, and truck hauling activities.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Upon district request , source test per EPA Methods 6,6A,6C, 8,15,16A,16B. as applicable</p>
<p>C. Method of monitoring: Annual compliance certification; records and reports maintained at the facility</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment 55.E- Recordkeeping – Condition 6</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements Comply with recordkeeping requirements in 55.E , as applicable</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Annual Compliance Certification Records and reports maintained at the facility</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment 55- Rule 55:Condition 7</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements Per Rule 55, certify on annual basis that all applicable sources of dust at this stationary source are operating in compliance with Rule 55.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #:</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
	<p>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</p>

<p>A. Attachment # or Permit Condition : Attachment 55-Rule 55</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements-</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C</p>	<p>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</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: PO00035PC10-rev261-Condition 1</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: General Applicable Requirements Rule 26 -New Source Review Raw Material Baghouse shall be installed to meet specified requirements and control particulate emissions from specific equipment.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification;</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO00035PC10-rev261-Condition 2</p>	<p>D. Frequency of monitoring: Annual compliance certification and source test See attached source test summary form</p>
<p>B. Description: General Applicable Requirements Meet Particulate matter (PM) emission limits of Rules 52 and 52 as shown by: 1. by annual source test for PM with Method CARB 5 2. per Rule 26, submit test protocol 30 days prior to test and test report and results to be submitted to APCD within 45 days after test.</p>	<p>E. Source test reference method, if applicable. See Attached Source Test Summary Form Method CARB 5</p>
<p>C. Method of monitoring: Annual compliance certification Source test results</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO00035PC10-rev261-Condition 3</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description Per Rule 26, baghouse dust collectors for applicable equipment maintained in good working order and dust handled in enclosed conveyers</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Annual Compliance Certification Maintenance records</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: PO00035PC10-rev261-Condition 4</p>	<p>D. Frequency of monitoring: Annual (compliance certification and routine periodic monitoring)</p>
<p>B. Description: Opacity limits Per Rule 50, no discharge of air contaminants for more than 3 minutes (cumulative) in any hour that are equal or greater than 20% opacity</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual compliance certification ; Routine surveillance records of periodic monitoring</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO00035PC10-rev261-Condition 5</p>	<p>D. Frequency of monitoring: Annual Compliance certification, daily, weekly, quarterly</p>
<p>B. Description: Daily baghouse pressure drop records,; inspection of access doors, exhaust outlet, screw conveyor for visible emissions, and records to document no visible emission greater than 3 minutes (cumulative) in one hour; compressed air system checks, screw conveyor outlet checks. Weekly cleaning sequence cycle time for Dust collector; compressed airline check; and baghouse inlet duct check for visible emissions, with visible emission records maintained at facility. At least 4 times per year (greater tan 60 day apart) inspection with kilns shut down of filter element and housing, and of screw conveyor</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual Compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: PO00035PC10-rev261-Condition 6</p>	<p>D. Frequency of monitoring: Annual compliance certification and update log per periodic inspection and maintenance schedules</p>
<p>B. Description: Recordkeeping for Raw Mill Bag house To show compliance with Condition 5, keep records of inspections and maintenance in a log that has the date, time and initials of person performing corrective measures. Record date and time of baghouse cleanings.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring: Annual Compliance Certification; Keep log at facility and available upon request of the District.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u></p> <p>G. Compliance Status? (C or I): <u> C </u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition Permit Condition 00036 PC11 ,Condition 1</p>	<p>D. Frequency of monitoring: Annual (compliance certification) and operating records</p>
<p>B. Description: Per section 3 of permit1 Permitted material processed at portable screening plant shall not exceed 1,080 .000 tons per year</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring : Routine, periodic surveillance and visual inspections Annual Compliance Certification. Monitoring; Operating records</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>
<p>A. Attachment # or Permit Condition #: PO00036PC11 Condition 2</p>	<p>D. Frequency of monitoring: Annual (compliance certification) and periodic inspections..</p>
<p>B. Description: Only use of electric Power Electrical power only; no use of diesel engines</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable. Not applicable</p>
<p>C. Method of monitoring: The equipment has no diesel engine and is properly connected to plant electrical power source. Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>
<p>A. Attachment # or Permit Condition #: PO00036PC11 –Condition 3</p>	<p>D. Frequency of monitoring: Periodic (at least every 6 months) water content sampling, (dated) and annual compliance certification</p>
<p>B. Description: Water spray or equivalent moisture content control >= 3% by weight Water content samples No track-out to extend 25 feet or more in length unless specific control measure is utilized: either track-out area improvement, track-out prevention, or track-out removal</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not applicable</p>
<p>C. Method of monitoring: Moisture content results (dated) submitted annul with ACC (Appendix H) Annual compliance certification</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: PO000PC11, Condition 4</p>	<p>D. Frequency of monitoring: Annual (compliance certification)</p>
<p>B. Description: Initial Method (9 source test) Initial EPA Method 9 source test with report submitted to VCAPCD Compliance Division or initial inspection conducted by VCAPCD compliance Division with an EPA Method 9 source test if visible emissions observed (to be completed in District Inspection occurring between March 1 2011 and December 31,</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable No visible emission observed</p>
<p>C. Method of monitoring: General Applicable Requirements Annual Compliance certification VCAPCD inspection did not observe visible emissions.</p>	<p>F. Currently in Compliance? (Y or N): <u> Y </u> G. Compliance Status? (C or I): <u> C </u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u> N </u> *If yes, attach Deviation Summary Form</p>

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

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



ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16(MM/DD/YY) to 03/31/17 (MM/DD/YY)

C. Measured Emission Rate: 7.70% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 14, 2016
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A. Emission Unit Description: Kiln #3 – SO2 (RATA Results – ppmv dry @15% O2			B. Pollutant: SO2
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C. Measured Emission Rate: 32.3 lb/hr	D. Limited Emission Rate: 300 ppmv 54.B.1.a.10	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 14, 2016
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A. Emission Unit Description: Kiln #3 – SO2 (RATA Results – ppmv dry @ 15% O2)			B. Pollutant: SO2
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C. Measured Emission Rate: 4.41% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 14, 2016
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A. Emission Unit Description: Kiln #3 – O2 Compliance Testing (three run average)			B. Pollutant: O2
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C. Measured Emission Rate: 16.18% V -dry	D. Limited Emission Rate: 22.29 ppmvd	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 14, 2016
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A. Emission Unit Description: Kiln #3 – O2 RATA Results			B. Pollutant: O2
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C. Measured Emission Rate: 0.47% Relative Accuracy	D. Limited Emission Rate: 20%	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 14, 2016
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ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16(MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Kiln #3- NOx Compliance Testing (three run average)			B. Pollutant: NOx
C. Measured Emission Rate: 3.16 lbs/hr	D. Limited Emission Rate: 6.9 lbs/hr PO00036PC2	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 14, 2016

A. Emission Unit Description: Kiln #3- NOx (RATA Results – ppm, dry)			B. Pollutant: NOx
C. Measured Emission Rate: 10.22% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 14, 2016

A. Emission Unit Description: Kiln #3- NOx (RATA Results – lb/hr)			B. Pollutant: NOx
C. Measured Emission Rate: 14.19% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	G. Test Date: September 14, 2016

A. Emission Unit Description: Kiln #3 – CO Compliance Testing (three run average)			B. Pollutant: CO
C. Measured Emission Rate: 33.8 ppmv	D. Limited Emission Rate: 2000 ppmv PO00036PC2	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 14, 2016



ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16(MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Kiln #3 – CO (RATA Results – ppm – average of test September 26)			B. Pollutant: CO
C. Measured Emission Rate: 0.37% Relative Accuracy	D. Limited Emission Rate: 10% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 14, 2016

A. Emission Unit Description: Kiln #3 – CO (RATA Results – lb/hr)			B. Pollutant: CO
C. Measured Emission Rate: 3.93% Relative Accuracy	D. Limited Emission Rate: 10% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 14, 2016

A. Emission Unit Description: Kiln #3 – PM10 Compliance Testing (three run average)- Rule 52			B. Pollutant: PM10
C. Measured Emission Rate: 0.0208 gr/dscf	D. Limited Emission Rate: .065 gr/dscf Rule 52	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 19, 2016

A. Emission Unit Description: Kiln #3 – PM10 Compliance Testing (three run average)- Rule 53			B. Pollutant: PM10
C. Measured Emission Rate: 3.20 lbs/hr	D. Limited Emission Rate: 12.54 lbs/hr Rule 53	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 19, 2016



ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16(MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Kiln #3 – PM Compliance Testing (three run average)- PO00036PC3			B. Pollutant: PM
C. Measured Emission Rate: 0.2660 lbPM/Ton Product	D. Limited Emission Rate: 0.2748 lbPM/Ton Product PO00036PC	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26,2016	F. Test Date: September 19, 2016

A. Emission Unit Description: Kiln #3 – Stack Flow (RATA Results dscfm)			B. Pollutant: Stack Flow
C. Measured Emission Rate: 4.57% Relative Accuracy	D. Limited Emission Rate: 20%	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 24, 2016

A. Emission Unit Description: Kiln #3 – SO ₂ Compliance Testing (three run average)			B. Pollutant: SO ₂
C. Measured Emission Rate: 5.25 lb/hr	D. Limited Emission Rate: 7.61 lb/hr PO00036PC9	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 14, 2016

A. Emission Unit Description: Kiln #3 – SO ₂ (RATA Results - ppm, dry)			B. Pollutant: SO ₂
C. Measured Emission Rate: 4.17% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 14, 2016

A. Emission Unit Description: Kiln #3 – SO ₂ (RATA Results – lb/hr)			B. Pollutant: SO ₂
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ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: **04/01/16** (MM/DD/YY) to **03/31/17** (MM/DD/YY)

A. Emission Unit Description: Kiln #4- NOx Compliance Testing (three run average)			B. Pollutant: NOx
C. Measured Emission Rate: 3.89 lbs/hr	D. Limited Emission Rate: 5.6 lbs/hr PO00036PC2	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4- NOx (RATA Results – ppm, dry)			B. Pollutant: NOx
C. Measured Emission Rate: 6.16% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #3- NOx (RATA Results – lb/hr)			B. Pollutant: NOx
C. Measured Emission Rate: 10.08% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	G. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4– CO Compliance Testing (three run average)			B. Pollutant: CO
C. Measured Emission Rate: 28.5 ppmv	D. Limited Emission Rate: 2000 ppmv PO00036PC2	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016



ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Kiln #4 – CO (RATA Results – ppm – average of test September 27)			B. Pollutant: CO
C. Measured Emission Rate: 3.30% Relative Accuracy	D. Limited Emission Rate: 10% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4 – CO (RATA Results – lb/hr)			B. Pollutant: CO
C. Measured Emission Rate: 2.08% LB/Hr	D. Limited Emission Rate: 2000ppmvd	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2014

A. Emission Unit Description: Kiln #4 – PM10 Compliance Testing (three run average)- Rule 52			B. Pollutant: PM10
C. Measured Emission Rate: 0.1349 gr/dscf	D. Limited Emission Rate: 0.2748 gr/dscf Rule 52	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4 – PM10 Compliance Testing (three run average)- Rule 53			B. Pollutant: PM10
C. Measured Emission Rate: 2.14 lbs/hr	D. Limited Emission Rate: 12.81 lbs/hr Rule 53	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016



ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Kiln #4 – PM Compliance Testing (three run average)- PO00036PC3			B. Pollutant: PM
C. Measured Emission Rate: 0.1349 lbPM/Ton Product	D. Limited Emission Rate: 0.2748 lbPM/Ton Product PO00036PC	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13 2016

A. Emission Unit Description: Kiln #4 – Stack Flow (RATA Results dscfm)			B. Pollutant: Stack Flow
C. Measured Emission Rate: 3.55% Relative Accuracy	D. Limited Emission Rate: 20%	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4 – SO ₂ Compliance Testing (three run average)			B. Pollutant: SO ₂
C. Measured Emission Rate: 4.98 lb/hr	D. Limited Emission Rate: 8.2 lb/hr PO00036PC9	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4 – SO ₂ (RATA Results - ppm, dry)			B. Pollutant: SO ₂
C. Measured Emission Rate: 6.65% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016



ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Kiln #4– SO ₂ (RATA Results – lb/hr)			B. Pollutant: SO ₂
C. Measured Emission Rate: 7.65% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4 – SO ₂ RATA Results – ppmv dry @ 15% O ₂)			B. Pollutant: SO ₂
C. Measured Emission Rate: 32.4 ppm(v) dry	D. Limited Emission Rate: 300 ppmv	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4 – SO ₂ (RATA Results – ppm, dry @ 15% O ₂)			B. Pollutant: SO ₂
C. Measured Emission Rate: 8.91% Relative Accuracy	D. Limited Emission Rate: 20% RA	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Kiln #4 –O ₂ (Compliance Testing(three run average)			B. Pollutant: O ₂
C. Measured Emission Rate: 15.71% ppmv	D. Limited Emission Rate: 26.31ppmv	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Kiln #4 – O2 Compliance Testing (three run average)			B. Pollutant: O2
C. Measured Emission Rate: 0.06 relative Accuracy	D. Limited Emission Rate: 20%	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 13, 2016

A. Emission Unit Description: Raw Mill Baghouse – PM10 Compliance Testing (Three run average) Rule 52			B. Pollutant: PM10
C. Measured Emission Rate: 0.0119 gr/dscf	D. Limited Emission Rate: 0.0867 gr/dscf	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 12, 2016

A. Emission Unit Description: Raw Mill Baghouse – PM10 Compliance Testing (Three run average) Rule 53			B. Pollutant: PM10
C. Measured Emission Rate: 0.83 lb/hr	D. Limited Emission Rate: 20.54 lb/hr	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 12, 2016

A. Emission Unit Description: Finish Mill Baghouse – PM10 Compliance Testing (Three run average) – Rule 52			B. Pollutant: PM10
C. Measured Emission Rate: 0.0025 gr/dscf	D. Limited Emission Rate: 0.1585 gr/dscf	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 12, 2016



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Emission Unit Description: Finish Mill Baghouse – PM10 Compliance Testing (Three run average) – Rule 53			B. Pollutant: PM10
C. Measured Emission Rate: 0.04 lb/hr	D. Limited Emission Rate: 15.72 lb/hr	E. Specific Source Test or Monitoring Record Citation: TRC Stack Test Firm Report Dated October 26, 2016	F. Test Date: September 12, 2016



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04/01/16 (MM/DD/YY) to 03/31/17 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO0036PC9 Condition 2	B. Equipment description: Kiln #3 -SO2, GM-32 CEMS See Attached Summary Log	C. Deviation Period: Date & Time Begin: <u>5/23/16 4:00pm</u> End: <u>5/23/16 4:00pm.</u> When Discovered: Date & Time
D. Parameters monitored: SO2 ppm	E. Limit: 7.61 ppm	F. Actual: 10.93 ppm
G. Probable Cause of Deviation: See attached Log		H. Corrective actions taken: See attached log

A. Attachment # or Permit Condition #: PO0036PC9-Condition - 2	B. Equipment description: Kiln #3 -SO2, GM-32 CEMS	C. Deviation Period: Date & Time Begin: <u>9/10/16 4:00am</u> End: <u>9/10/16 4:00am</u> When Discovered: Date & Time
D. Parameters monitored: SO2 ppm	E. Limit: 7.61 ppm	F. Actual: 8.31 ppm
G. Probable Cause of Deviation: See Attached Log		H. Corrective actions taken: See Attached Log

A. Attachment # or Permit Condition #: PO0036PC9 - Condition -2	B. Equipment description: Kiln #4 -SO2, GM-32 CEMS	C. Deviation Period: Date & Time Begin: <u>9/10/16 at 4:00am</u> End: <u>9/10/16 at 4:00am</u> When Discovered: Date & Time <u>9/10/16 at 4:00am</u>
D. Parameters monitored: SO2 ppm	E. Limit: 8.28 ppm	F. Actual: 8.81 ppm
G. Probable Cause of Deviation: See Attached Log		H. Corrective actions taken: See Attached Log



ANNUAL COMPLIANCE CERTIFICATION DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: **04/01/16** (MM/DD/YY) to **03/31/17** (MM/DD/YY)

A. Attachment # or Permit Condition #: PO0036PC9- Condition -2	B. Equipment description: <p style="text-align: center;">Kiln #3 - SO2 GM-32 CEMS</p>	C. Deviation Period: Date & Time Begin: <u>10/8/14 7:47am</u> End: <u>10/25/14 8:10am.</u> When Discovered: Date & Time <u>10/9/14 at 12:00pm</u>
D. Parameters monitored: SO2 ppm	E. Limit: <p style="text-align: center;">7.61 ppm</p>	F. Actual: <p style="text-align: center;">8.21 ppm</p>
G. Probable Cause of Deviation: See attached Log		H. Corrective actions taken: See attached log

A. Attachment # or Permit Condition #: PO0036PC9- condition-6	B. Equipment description: <p style="text-align: center;">Kiln #3 – O2 Monitor</p>	C. Deviation Period: Date & Time Begin: <u>3/4/2017 at 8:00am</u> End: <u>3/5/2017 at 8:00am</u> When Discovered: Date & Time
D. Parameters monitored: O2 CEMS	E. Limit: <p style="text-align: center;">Not Applicable</p>	F. Actual: <p style="text-align: center;">Not Applicable</p>
G. Probable Cause of Deviation: <p style="text-align: center;">See Attached Log</p>		H. Corrective actions taken: <p style="text-align: center;">See Attached Log</p>

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
Power Screen Production

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

April	Extruder #1 (tons)	Hours Run	Total
4/1/2016	658	15.2	658
4/2/2016	800	18.5	800
4/3/2016	441	10.2	441
4/4/2016	480	11.1	480
4/5/2016	597	13.8	597
4/6/2016	562	13	562
4/7/2016	731	16.9	731
4/8/2016	567	13.1	567
4/9/2016	614	14.2	614
4/10/2016	575	13.3	575
4/11/2016	506	11.7	506
4/12/2016	420	9.7	420
4/13/2016	480	11.1	480
4/14/2016	606	14	606
4/15/2016	446	10.3	446
4/16/2016	260	6	260
4/17/2016	632	14.6	632
4/18/2016	320	7.4	320
4/19/2016	588	13.6	588
4/20/2016	407	9.4	407
4/21/2016	519	12	519
4/22/2016	515	11.9	515
4/23/2016	779	18	779
4/24/2016	740	17.1	740
4/25/2016	541	12.5	541
4/26/2016	497	11.5	497
4/27/2016	510	11.8	510
4/28/2016	385	8.9	385
4/29/2016	316	7.3	316
4/30/2016	506	11.7	506
April	15998	369.8	15998

May	Extruder #1 (tons)	Hours Run	Total
5/1/2016	446	10.3	446
5/2/2016	437	10.1	437
5/3/2016	558	12.9	558
5/4/2016	575	13.3	575
5/5/2016	519	12	519
5/6/2016	606	14	606
5/7/2016	640	14.8	640
5/8/2016	696	16.1	696
5/9/2016	744	17.2	744
5/10/2016	472	10.9	472
5/11/2016	766	17.7	766
5/12/2016	658	15.2	658
5/13/2016	169	3.9	169
5/14/2016	705	16.3	705
5/15/2016	727	16.8	727
5/16/2016	536	12.4	536
5/17/2016	727	16.8	727
5/18/2016	476	11	476
5/19/2016	636	14.7	636
5/20/2016	614	14.2	614
5/21/2016	688	15.9	688
5/22/2016	268	6.2	268
5/23/2016	264	6.1	264
5/24/2016	636	14.7	636
5/25/2016	606	14	606
5/26/2016	619	14.3	619
5/27/2016	510	11.8	510
5/28/2016	532	12.3	532
5/29/2016	0	0	0
5/30/2016	467	10.8	467
5/31/2016	506	11.7	506
May	16802	388.4	16802

June	Extruder #1 (tons)	Hours Run	Total
6/1/2016	783	18.1	783
6/2/2016	528	12.2	528
6/3/2016	515	11.9	515
6/4/2016	779	18	779
6/5/2016	610	14.1	610
6/6/2016	597	13.8	597
6/7/2016	571	13.2	571
6/8/2016	562	13	562
6/9/2016	696	16.1	696
6/10/2016	562	13	562
6/11/2016	437	10.1	437
6/12/2016	779	18	779
6/13/2016	601	13.9	601
6/14/2016	424	9.8	424
6/15/2016	731	16.9	731
6/16/2016	528	12.2	528
6/17/2016	510	11.8	510
6/18/2016	744	17.2	744
6/19/2016	510	11.8	510
6/20/2016	402	9.3	402
6/21/2016	472	10.9	472
6/22/2016	286	6.6	286
6/23/2016	411	9.5	411
6/24/2016	472	10.9	472
6/25/2016	640	14.8	640
6/26/2016	523	12.1	523
6/27/2016	688	15.9	688
6/28/2016	389	9	389
6/29/2016	658	15.2	658
6/30/2016	554	12.8	554
June	16962	392.1	16962

July	Extruder #1 (tons)	Hours Run	Total
7/1/2016	480	11.1	480
7/2/2016	519	12	519
7/3/2016	485	11.2	485
7/4/2016	588	13.6	588
7/5/2016	575	13.3	575
7/6/2016	523	12.1	523
7/7/2016	588	13.6	588
7/8/2016	684	15.8	684
7/9/2016	502	11.6	502
7/10/2016	636	14.7	636
7/11/2016	385	8.9	385
7/12/2016	493	11.4	493
7/13/2016	549	12.7	549
7/14/2016	528	12.2	528
7/15/2016	480	11.1	480
7/16/2016	636	14.7	636
7/17/2016	467	10.8	467
7/18/2016	523	12.1	523
7/19/2016	610	14.1	610
7/20/2016	532	12.3	532
7/21/2016	376	8.7	376
7/22/2016	346	8	346
7/23/2016	601	13.9	601
7/24/2016	705	16.3	705
7/25/2016	519	12	519
7/26/2016	324	7.5	324
7/27/2016	614	14.2	614
7/28/2016	459	10.6	459
7/29/2016	389	9	389
7/30/2016	130	3	130
7/31/2016	744	17.2	744
July	15993	369.7	15993

August	Extruder #1 (tons)	Hours Run	Total
8/1/2016	510	11.8	510
8/2/2016	450	10.4	450
8/3/2016	558	12.9	558
8/4/2016	722	16.7	722
8/5/2016	619	14.3	619
8/6/2016	528	12.2	528
8/7/2016	515	11.9	515
8/8/2016	385	8.9	385
8/9/2016	684	15.8	684
8/10/2016	523	12.1	523
8/11/2016	489	11.3	489
8/12/2016	601	13.9	601
8/13/2016	632	14.6	632
8/14/2016	536	12.4	536
8/15/2016	463	10.7	463
8/16/2016	389	9	389
8/17/2016	688	15.9	688
8/18/2016	709	16.4	709
8/19/2016	446	10.3	446
8/20/2016	597	13.8	597
8/21/2016	684	15.8	684
8/22/2016	640	14.8	640
8/23/2016	485	11.2	485
8/24/2016	342	7.9	342
8/25/2016	558	12.9	558
8/26/2016	562	13	562
8/27/2016	692	16	692
8/28/2016	446	10.3	446
8/29/2016	554	12.8	554
8/30/2016	251	5.8	251
8/31/2016	234	5.4	234
August	16491	381.2	16491

September	Extruder #1 (tons)	Hours Run	Total
9/1/2016	779	18	779
9/2/2016	355	8.2	355
9/3/2016	601	13.9	601
9/4/2016	472	10.9	472
9/5/2016	523	12.1	523
9/6/2016	571	13.2	571
9/7/2016	428	9.9	428
9/8/2016	692	16	692
9/9/2016	260	6	260
9/10/2016	571	13.2	571
9/11/2016	510	11.8	510
9/12/2016	441	10.2	441
9/13/2016	350	8.1	350
9/14/2016	454	10.5	454
9/15/2016	450	10.4	450
9/16/2016	575	13.3	575
9/17/2016	506	11.7	506
9/18/2016	653	15.1	653
9/19/2016	428	9.9	428
9/20/2016	727	16.8	727
9/21/2016	562	13	562
9/22/2016	485	11.2	485
9/23/2016	588	13.6	588
9/24/2016	480	11.1	480
9/25/2016	649	15	649
9/26/2016	610	14.1	610
9/27/2016	523	12.1	523
9/28/2016	679	15.7	679
9/29/2016	493	11.4	493
9/30/2016	636	14.7	636
September	16054	371.1	16054

Ocobter	Extruder #1 (tons)	Hours Run	Total
10/1/2016	567	13.1	567
10/2/2016	562	13	562
10/3/2016	519	12	519
10/4/2016	658	15.2	658
10/5/2016	519	12	519
10/6/2016	658	15.2	658
10/7/2016	463	10.7	463
10/8/2016	727	16.8	727
10/9/2016	735	17	735
10/10/2016	472	10.9	472
10/11/2016	571	13.2	571
10/12/2016	562	13	562
10/13/2016	688	15.9	688
10/14/2016	532	12.3	532
10/15/2016	822	19	822
10/16/2016	558	12.9	558
10/17/2016	606	14	606
10/18/2016	688	15.9	688
10/19/2016	528	12.2	528
10/20/2016	506	11.7	506
10/21/2016	692	16	692
10/22/2016	519	12	519
10/23/2016	692	16	692
10/24/2016	342	7.9	342
10/25/2016	515	11.9	515
10/26/2016	571	13.2	571
10/27/2016	610	14.1	610
10/28/2016	562	13	562
10/29/2016	510	11.8	510
10/30/2016	627	14.5	627
10/31/2016	588	13.6	588
October	18169	420	18169

November	Extruder #1 (tons)	Hours Run	Total
11/1/2016	510	11.8	510
11/2/2016	567	13.1	567
11/3/2016	714	16.5	714
11/4/2016	463	10.7	463
11/5/2016	640	14.8	640
11/6/2016	731	16.9	731
11/7/2016	541	12.5	541
11/8/2016	575	13.3	575
11/9/2016	584	13.5	584
11/10/2016	472	10.9	472
11/11/2016	619	14.3	619
11/12/2016	809	18.7	809
11/13/2016	645	14.9	645
11/14/2016	658	15.2	658
11/15/2016	558	12.9	558
11/16/2016	562	13	562
11/17/2016	614	14.2	614
11/18/2016	701	16.2	701
11/19/2016	770	17.8	770
11/20/2016	774	17.9	774
11/21/2016	554	12.8	554
11/22/2016	658	15.2	658
11/23/2016	571	13.2	571
11/24/2016	740	17.1	740
11/25/2016	515	11.9	515
11/26/2016	809	18.7	809
11/27/2016	433	10	433
11/28/2016	748	17.3	748
11/29/2016	688	15.9	688
11/30/2016	688	15.9	688
November	18909	437.1	18909

December	Extruder #1 (tons)	Hours Run	Total
12/1/2016	731	16.9	731
12/2/2016	692	16.0	692
12/3/2016	567	13.1	567
12/4/2016	744	17.2	744
12/5/2016	779	18.0	779
12/6/2016	662	15.3	662
12/7/2016	662	15.3	662
12/8/2016	662	15.3	662
12/9/2016	662	15.3	662
12/10/2016	705	16.3	705
12/11/2016	701	16.2	701
12/12/2016	584	13.5	584
12/13/2016	614	14.2	614
12/14/2016	891	20.6	891
12/15/2016	450	10.4	450
12/16/2016	398	9.2	398
12/17/2016	675	15.6	675
12/18/2016	571	13.2	571
12/19/2016	653	15.1	653
12/20/2016	593	13.7	593
12/21/2016	493	11.4	493
12/22/2016	389	9.0	389
12/23/2016	476	11.0	476
12/24/2016	567	13.1	567
12/25/2016	649	15.0	649
12/26/2016	376	8.7	376
12/27/2016	489	11.3	489
12/28/2016	562	13.0	562
12/29/2016	510	11.8	510
12/30/2016	441	10.2	441
12/31/2016	679	15.7	679
December	18628	430.6	18628

January	Extruder #1 (tons)	Hours Run	Total
1/1/2017	433	10.0	433
1/2/2017	601	13.9	601
1/3/2017	536	12.4	536
1/4/2017	441	10.2	441
1/5/2017	212	4.9	212
1/6/2017	372	8.6	372
1/7/2017	523	12.1	523
1/8/2017	402	9.3	402
1/9/2017	783	18.1	783
1/10/2017	614	14.2	614
1/11/2017	709	16.4	709
1/12/2017	489	11.3	489
1/13/2017	593	13.7	593
1/14/2017	606	14.0	606
1/15/2017	610	14.1	610
1/16/2017	649	15.0	649
1/17/2017	597	13.8	597
1/18/2017	363	8.4	363
1/19/2017	545	12.6	545
1/20/2017	649	15.0	649
1/21/2017	575	13.3	575
1/22/2017	476	11.0	476
1/23/2017	597	13.8	597
1/24/2017	446	10.3	446
1/25/2017	675	15.6	675
1/26/2017	653	15.1	653
1/27/2017	701	16.2	701
1/28/2017	779	18.0	779
1/29/2017	822	19.0	822
1/30/2017	688	15.9	688
1/31/2017	571	13.2	571
January	17711	409.4	17711

February	Extruder #1 (tons)	Hours Run	Total
2/1/2017	606	14.0	606
2/2/2017	593	13.7	593
2/3/2017	575	13.3	575
2/4/2017	298	6.9	298
2/5/2017	562	13.0	562
2/6/2017	558	12.9	558
2/7/2017	485	11.2	485
2/8/2017	636	14.7	636
2/9/2017	610	14.1	610
2/10/2017	428	9.9	428
2/11/2017	437	10.1	437
2/12/2017	437	10.1	437
2/13/2017	562	13.0	562
2/14/2017	554	12.8	554
2/15/2017	485	11.2	485
2/16/2017	337	7.8	337
2/17/2017	91	2.1	91
2/18/2017	0	0.0	0
2/19/2017	56	1.3	56
2/20/2017	195	4.5	195
2/21/2017	138	3.2	138
2/22/2017	65	1.5	65
2/23/2017	61	1.4	61
2/24/2017	212	4.9	212
2/25/2017	268	6.2	268
2/26/2017	268	6.2	268
2/27/2017	0	0.0	0
2/28/2017	260	6.0	260
3/1/2017	0	0.0	0
February	9777	226	9777

March	Extruder #1 (tons)	Hours Run	Total
3/1/2017	307	7.1	307
3/2/2017	337	7.8	337
3/3/2017	398	9.2	398
3/4/2017	298	6.9	298
3/5/2017	428	9.9	428
3/6/2017	355	8.2	355
3/7/2017	420	9.7	420
3/8/2017	350	8.1	350
3/9/2017	320	7.4	320
3/10/2017	372	8.6	372
3/11/2017	402	9.3	402
3/12/2017	298	6.9	298
3/13/2017	350	8.1	350
3/14/2017	541	12.5	541
3/15/2017	584	13.5	584
3/16/2017	606	14	606
3/17/2017	593	13.7	593
3/18/2017	515	11.9	515
3/19/2017	476	11	476

3/20/2017	649	15	649
3/21/2017	614	14.2	614
3/22/2017	519	12	519
3/23/2017	169	3.9	169
3/24/2017	385	8.9	385
3/25/2017	480	11.1	480
3/26/2017	398	9.2	398
3/27/2017	394	9.1	394
3/28/2017	342	7.9	342
3/29/2017	510	11.8	510
3/30/2017	515	11.9	515
3/31/2017	735	17	735
March	13662	315.8	13662

217528 yearly total

Daily & Monthly Material Produced

12 Month
rolling totals

April Production	Kiln #3 (tons)	Kiln #4 (tons)	Total		
4/1/2016	188	230	419		
4/2/2016	186	230	416		
4/3/2016	103	238	340		
4/4/2016	103	239	341		
4/5/2016	195	242	437		
4/6/2016	185	228	413		
4/7/2016	74	242	316		
4/8/2016	201	248	449		
4/9/2016	200	247	447		
4/10/2016	195	152	348		
4/11/2016	106	162	268		
4/12/2016	82	231	314		
4/13/2016	0	245	245		
4/14/2016	140	234	340		
4/15/2016	124	219	343		
4/16/2016	12	44	56		
4/17/2016	199	190	389		
4/18/2016	109	155	264	Apr-15	12,448
4/19/2016	102	149	251	May-15	11,171
4/20/2016	149	169	317	Jun-15	9,768
4/21/2016	118	158	276	Jul-15	10,086
4/22/2016	93	194	287	Aug-15	11,539
4/23/2016	192	217	408	Sep-15	10,382
4/24/2016	192	214	406	Oct-15	11,257
4/25/2016	183	202	384	Nov-15	11,551
4/26/2016	104	153	257	Dec-15	6,933
4/27/2016	176	218	394	Jan-16	10,652
4/28/2016	0	203	203	Feb-16	9,521
4/29/2016	0	173	173	Mar-16	10,976
4/30/2016	157	216	367		
	3,868	6,042	9,868	123,704	monthly rolling

	Kiln #3 (tons)	Kiln #4 (tons)	Total	
5/1/2016	37	218	255	
5/2/2016	82	216	298	
5/3/2016	193	148	340	
5/4/2016	194	219	413	
5/5/2016	62	172	234	
5/6/2016	195	179	374	
5/7/2016	194	219	413	
5/8/2016	191	215	406	
5/9/2016	192	217	409	
5/10/2016	192	216	408	
5/11/2016	193	207	400	
5/12/2016	186	200	386	
5/13/2016	91	125	217	
5/14/2016	180	249	429	
5/15/2016	192	248	440	
5/16/2016	192	248	439	
5/17/2016	191	247	438	
5/18/2016	193	249	442	
5/19/2016	191	247	438	
5/20/2016	139	226	366	
5/21/2016	192	95	287	
5/22/2016	195	0	195	
5/23/2016	168	25	192	
5/24/2016	182	247	429	
5/25/2016	163	248	411	
5/26/2016	191	247	439	
5/27/2016	192	248	439	
5/28/2016	179	146	325	
5/29/2016	0	0	185	
5/30/2016	191	236	427	
5/31/2016	187	239	426	
	5,120	5,996	11,300	123,833 monthly rolling

	Kiln #3 (tons)	Kiln #4 (tons)	Total
6/1/2016	191	246	437
6/2/2016	195	252	447
6/3/2016	195	252	447
6/4/2016	190	245	435
6/5/2016	193	249	443
6/6/2016	191	254	445
6/7/2016	193	240	433
6/8/2016	194	256	450
6/9/2016	176	256	432
6/10/2016	200	249	450
6/11/2016	120	239	359
6/12/2016	188	251	439
6/13/2016	173	257	430
6/14/2016	196	262	458
6/15/2016	190	257	447
6/16/2016	173	236	410
6/17/2016	172	238	410
6/18/2016	167	177	344
6/19/2016	168	223	391
6/20/2016	167	119	286
6/21/2016	128	223	351
6/22/2016	0	222	222
6/23/2016	71	218	289
6/24/2016	169	179	348
6/25/2016	166	211	378
6/26/2016	170	216	387
6/27/2016	181	224	405
6/28/2016	188	232	420
6/29/2016	188	163	351
6/30/2016	179	232	411

June Total

5,072

6,878

11,955

126,020 monthly rolling

July Production	Kiln #3 (tons)	Kiln #4 (tons)	Total	
7/1/2016	182	235	416	
7/2/2016	179	232	411	
7/3/2016	179	231	410	
7/4/2016	180	233	414	
7/5/2016	137	217	354	
7/6/2016	178	230	408	
7/7/2016	180	233	414	
7/8/2016	182	235	416	
7/9/2016	138	230	369	
7/10/2016	179	231	409	
7/11/2016	178	230	409	
7/12/2016	182	235	416	
7/13/2016	180	233	414	
7/14/2016	177	232	409	
7/15/2016	117	107	224	
7/16/2016	182	247	429	
7/17/2016	162	219	381	
7/18/2016	170	227	397	
7/19/2016	172	233	405	
7/20/2016	172	233	404	
7/21/2016	145	210	355	
7/22/2016	92	114	206	
7/23/2016	166	226	392	
7/24/2016	176	243	419	
7/25/2016	130	226	356	
7/26/2016	88	161	249	
7/27/2016	12	200	221	
7/28/2016	76	234	310	
7/29/2016	162	221	383	
7/30/2016	32	55	87	
7/31/2016	153	213	366	
July Total	4,638	6,606	11,253	115,643 monthly rolling

August Production	Kiln #3 (tons)	Kiln #4 (tons)	Total	
8/1/2016	175	232	407	
8/2/2016	179	237	416	
8/3/2016	169	223	392	
8/4/2016	184	239	423	
8/5/2016	150	240	390	
8/6/2016	125	232	357	
8/7/2016	170	231	401	
8/8/2016	144	235	379	
8/9/2016	192	242	435	
8/10/2016	186	235	421	
8/11/2016	187	233	421	
8/12/2016	184	237	420	
8/13/2016	187	240	427	
8/14/2016	184	243	427	
8/15/2016	145	228	373	
8/16/2016	124	237	361	
8/17/2016	183	226	409	
8/18/2016	183	237	420	
8/19/2016	187	240	427	
8/20/2016	179	232	412	
8/21/2016	185	239	424	
8/22/2016	182	235	416	
8/23/2016	153	165	319	
8/24/2016	187	0	187	
8/25/2016	179	184	363	
8/26/2016	178	208	386	
8/27/2016	177	240	417	
8/28/2016	172	233	405	
8/29/2016	175	237	412	
8/30/2016	136	174	310	
8/31/2016	0	0	0	
August Total	5,141	6,614	11,757	104,974 monthly rolling

September Product	Kiln #3 (tons)	Kiln #4 (tons)	Total	
9/1/2016	139	205	344	
9/2/2016	127	187	313	
9/3/2016	171	220	390	
9/4/2016	179	253	432	
9/5/2016	175	235	410	
9/6/2016	174	236	760	
9/7/2016	154	238	391	
9/8/2016	160	199	358	
9/9/2016	170	7	177	
9/10/2016	175	237	413	
9/11/2016	149	239	388	
9/12/2016	0	238	238	
9/13/2016	0	230	230	
9/14/2016	153	236	389	
9/15/2016	101	239	340	
9/16/2016	178	237	415	
9/17/2016	177	235	411	
9/18/2016	185	243	428	
9/19/2016	187	243	431	
9/20/2016	180	223	403	
9/21/2016	192	250	443	
9/22/2016	173	224	397	
9/23/2016	191	249	440	
9/24/2016	180	235	415	
9/25/2016	187	243	430	
9/26/2016	176	234	410	
9/27/2016	180	203	384	
9/28/2016	170	238	408	
9/29/2016	164	234	398	
9/30/2016	167	239	406	
September Total	4,714	6,729	11,792	106,384 monthly rolling

October Production	Kiln #3 (tons)	Kiln #4 (tons)	Total	
10/1/2016	169	240	409	
10/2/2016	168	239	407	
10/3/2016	169	241	409	
10/4/2016	165	231	396	
10/5/2016	164	226	390	
10/6/2016	93	220	313	
10/7/2016	172	226	398	
10/8/2016	174	226	401	
10/9/2016	175	235	410	
10/10/2016	174	226	399	
10/11/2016	177	226	403	
10/12/2016	188	231	419	
10/13/2016	185	230	415	
10/14/2016	178	226	404	
10/15/2016	182	234	415	
10/16/2016	180	232	412	
10/17/2016	174	224	398	
10/18/2016	196	253	449	
10/19/2016	164	210	374	
10/20/2016	190	231	422	
10/21/2016	172	234	406	
10/22/2016	187	241	428	
10/23/2016	150	226	376	
10/24/2016	14	230	244	
10/25/2016	191	242	433	
10/26/2016	173	216	389	
10/27/2016	182	232	414	
10/28/2016	185	232	417	
10/29/2016	186	234	420	
10/30/2016	179	225	404	
10/31/2016	181	228	409	
October Total	5,237	7,147	12,383	107,510 monthly rolling

November Producti	Kiln #3 (tons)	Kiln #4 (tons)	Total		
11/1/2016	186	234	420		
11/2/2016	160	230	389		
11/3/2016	190	229	419		
11/4/2016	165	183	348		
11/5/2016	190	234	424		
11/6/2016	184	234	418		
11/7/2016	187	236	423		
11/8/2016	168	229	398		
11/9/2016	12	230	243		
11/10/2016	183	231	414		
11/11/2016	184	229	413		
11/12/2016	192	230	423		
11/13/2016	195	231	426		
11/14/2016	185	222	407		
11/15/2016	194	207	401		
11/16/2016	185	0	185		
11/17/2016	195	214	409		
11/18/2016	195	229	425		
11/19/2016	194	230	423		
11/20/2016	193	228	420		
11/21/2016	196	231	427		
11/22/2016	197	187	383		
11/23/2016	199	235	434		
11/24/2016	186	134	320		
11/25/2016	200	60	260		
11/26/2016	196	230	426		
11/27/2016	116	124	240		
11/28/2016	194	228	422		
11/29/2016	198	233	431		
11/30/2016	97	180	277		
November Total	5,316	6,132	11,448	107,407	monthly rolling

December Producti	Kiln #3 (tons)	Kiln #4 (tons)	Total	
12/1/2016	197	231	428	
12/2/2016	193	226	420	
12/3/2016	98	103	201	
12/4/2016	185	192	376	
12/5/2016	199	234	433	
12/6/2016	201	235	436	
12/7/2016	195	229	424	
12/8/2016	198	232	431	
12/9/2016	198	229	427	
12/10/2016	151	228	379	
12/11/2016	172	218	390	
12/12/2016	157	217	374	
12/13/2016	177	219	395	
12/14/2016	177	218	395	
12/15/2016	177	219	396	
12/16/2016	180	168	348	
12/17/2016	178	218	397	
12/18/2016	179	221	401	
12/19/2016	178	220	398	
12/20/2016	173	214	388	
12/21/2016	120	219	338	
12/22/2016	74	99	173	
12/23/2016	147	192	338	
12/24/2016	104	218	323	
12/25/2016	176	217	393	
12/26/2016	175	192	367	
12/27/2016	178	125	303	
12/28/2016	109	218	326	
12/29/2016	60	218	278	
12/30/2016	79	220	298	
12/31/2016	171	217	388	
December Total	4,956	6,406	11,362	88,105 monthly rolling

January Production	Kiln #3 (tons)	Kiln #4 (tons)	Total	
1/1/2017	109	217	326	
1/2/2017	181	224	406	
1/3/2017	178	164	343	
1/4/2017	177	77	253	
1/5/2017	78	0	78	
1/6/2017	142	42	184	
1/7/2017	123	215	338	
1/8/2017	93	223	316	
1/9/2017	100	216	317	
1/10/2017	131	211	342	
1/11/2017	177	219	397	
1/12/2017	178	126	304	
1/13/2017	164	220	383	
1/14/2017	188	210	398	
1/15/2017	137	220	357	
1/16/2017	130	218	348	
1/17/2017	177	218	395	
1/18/2017	161	177	338	
1/19/2017	88	193	281	
1/20/2017	129	221	350	
1/21/2017	175	181	356	
1/22/2017	74	177	250	
1/23/2017	169	217	386	
1/24/2017	179	226	404	
1/25/2017	92	213	305	
1/26/2017	159	223	382	
1/27/2017	175	221	396	
1/28/2017	172	218	390	
1/29/2017	175	222	397	
1/30/2017	135	170	305	
1/31/2017	152	202	354	
January Total	4,498	5,881	10,379	111,563 monthly rolling

February Productio	Kiln #3 (tons)	Kiln #4 (tons)	Total	
2/1/2017	141	177	319	
2/2/2017	84	218	302	
2/3/2017	68	210	278	
2/4/2017	22	112	134	
2/5/2017	149	197	346	
2/6/2017	95	149	244	
2/7/2017	85	169	254	
2/8/2017	129	229	358	
2/9/2017	137	198	335	
2/10/2017	17	189	206	
2/11/2017	32	187	219	
2/12/2017	36	201	237	
2/13/2017	110	158	267	
2/14/2017	136	130	267	
2/15/2017	51	170	221	
2/16/2017	90	33	122	
2/17/2017	0	43	43	
2/18/2017	0	0	0	
2/19/2017	0	0	0	
2/20/2017	73	13	55	
2/21/2017	0	72	72	
2/22/2017	0	0	0	
2/23/2017	0	0	0	
2/24/2017	0	0	0	
2/25/2017	25	40	65	
2/26/2017	105	171	276	
2/27/2017	0	0	0	
2/28/2017	0	58	58	
	0	0	0	
February Total	1,585	3,124	4,678	106,720 monthly rolling

March Production	Kiln #3 (tons)	Kiln #4 (tons)	Total
3/1/2017	0	187	187
3/2/2017	0	156	156
3/3/2017	0	78	78
3/4/2017	138	0	138
3/5/2017	147	137	284
3/6/2017	105	141	246
3/7/2017	0	150	150
3/8/2017	0	83	83
3/9/2017	79	95	174
3/10/2017	133	178	311
3/11/2017	0	179	179
3/12/2017	0	234	234
3/13/2017	0	189	189
3/14/2017	151	194	345
3/15/2017	143	194	339
3/16/2017	144	194	338
3/17/2017	132	175	307
3/18/2017	87	173	260
3/19/2017	63	169	232
3/20/2017	129	173	302
3/21/2017	129	174	303
3/22/2017	129	170	299
3/23/2017	54	92	146
3/24/2017	94	171	264
3/25/2017	74	168	242
3/26/2017	56	119	175
3/27/2017	81	164	245
3/28/2017	37	116	153
3/29/2017	112	122	235
3/30/2017	129	169	298
3/31/2017	139	183	321
March Total	2,485	4,727	7,213 Yearly total

46,634 monthly rolling

113,844 Yearly total

Power Screen Hours & Production 2016

April

	operator			Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy	
	Bucket count			Grave	Days	Swing				bucket	cy
1-Apr	27	35	36	140	182	187	16	510	31	47	329
2-Apr	30	45	32	156	234	166	18	556	31	76	532
3-Apr	32	27		166	140	0	10	307	31	39	273
4-Apr		52	25	0	270	130	13	400	31	24	168
5-Apr	19	60	26	99	312	135	18	546	31	61	427
6-Apr	25	79	33	130	411	172	23	712	31	78	546
7-Apr		61	36	0	317	187	16	504	31	58	406
8-Apr		49	32	0	255	166	14	421	31	60	420
9-Apr	23	76	31	120	395	161	22	676	31	80	560
10-Apr	21		36	109	0	187	10	296	31	37	259
11-Apr	22	47	31	114	244	161	17	520	31	61	427
12-Apr		28	29	0	146	151	10	296	31	31	217
13-Apr			29	0	0	151	5	151	31	19	133
14-Apr	18	79	29	94	411	151	21	655	31	69	483
15-Apr		92	24	0	478	125	19	603	31	60	420
16-Apr		78	32	0	406	166	18	572	31	33	231
17-Apr		29	35	0	151	182	11	333	31	24	168
18-Apr		61	36	0	317	187	16	504	31	32	224
19-Apr	16	10		83	52	0	4	135	31	11	77
20-Apr		33	19	0	172	99	9	270	31	27	189
21-Apr	18	51	26	94	265	135	16	494	31	33	231
22-Apr		37		0	192	0	6	192	31	8	56
23-Apr	29	106	33	151	551	172	28	874	31	67	469
24-Apr	29	127	29	151	660	151	31	962	31	61	427
25-Apr	29			151	0	0	5	151	31	10	70
26-Apr				0	0	0	0	0	#DIV/0!		0
27-Apr		59		0	307	0	10	307	31	16	112
28-Apr		103	16	0	536	83	20	619	31	38	266
29-Apr	27	47	24	140	244	125	16	510	31	27	189
30-Apr	96	24	29	499	125	151	25	775	31	24	168
Totals							410	17623		1211	8477

Power Screen Hours & Production 2016

May	operator		Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy		
	Bucket count		Grave	Days	Swing				bucket	cy	
1-May	30	78	156	406	0	18	562	31	16	112	
2-May	20	64	104	333	0	14	437	31	24	168	
3-May	33	109	27	172	567	140	28	879	31	53	371
4-May	29	88	28	151	458	146	24	754	31	32	224
5-May	59	46	30	307	239	156	23	702	31	28	196
6-May	36	28	29	187	146	151	16	484	31	20	140
7-May		24	32	0	125	166	9	291	31	14	98
8-May	23	34		120	177	0	10	296	31	17	119
9-May	29	16	30	151	83	156	13	390	31	22	154
10-May	34	24	39	177	125	203	16	504	31	18	126
11-May	43			224	0	0	7	224	31	13	91
12-May	35	36		182	187	0	12	369	31	19	133
13-May	34	40	35	177	208	182	18	567	31	28	196
14-May	22	43	38	114	224	198	17	536	31	21	147
15-May	24	37	29	125	192	151	15	468	31	22	154
16-May	25	50	23	130	260	120	16	510	31	17	119
17-May		34	28	0	177	146	10	322	31	24	168
18-May	24	104	21	125	541	109	25	775	31	53	371
19-May	16	84	23	83	437	120	21	640	31	42	294
20-May	19	73	33	99	380	172	21	650	31	23	161
21-May	33	50	21	172	260	109	17	541	31	24	168
22-May	34	28	16	177	146	83	13	406	31	13	91
23-May	27	47	21	140	244	109	16	494	31	22	154
24-May	23	46	10	120	239	52	13	411	31	20	140
25-May		48	25	0	250	130	12	380	31	19	133
26-May	23	72	28	120	374	146	21	640	31	35	245
27-May		22		0	114	0	4	114	31	7	49
28-May		57	28	0	296	146	14	442	31	15	105
29-May	10	22	25	52	114	130	10	296	31	9	63
30-May	32	57		166	296	0	15	463	31	18	126
31-May	20	76	21	104	395	109	20	608	31	19	133
Totals							468	14591		707	4949

Power Screen Hours & Production 2016

June	operator			Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy	
	Bucket count			Grave	Days	Swing				bucket	cy
1-Jun	19	70	34	99	364	177	21	640	31	23	161
2-Jun		44	36	0	229	187	13	416	31	29	203
3-Jun		51	24	0	265	125	13	390	31	20	140
4-Jun	31	71	34	161	369	177	23	707	31	34	238
5-Jun	26	56	29	135	291	151	19	577	31	28	196
6-Jun	26	41	24	135	213	125	15	473	31	21	147
7-Jun	33	21	25	172	109	130	13	411	31	15	105
8-Jun	31	29	26	161	151	135	14	447	31	19	133
9-Jun	22	64		114	333	0	14	447	31	19	133
10-Jun		55	18	0	286	94	12	380	31	16	112
11-Jun	5	33	19	26	172	99	10	296	31	11	77
12-Jun	10	27	15	52	140	78	9	270	31	10	70
13-Jun		13	15	0	68	78	5	146	31	3	21
14-Jun		23	5	0	120	26	5	146	31	8	56
15-Jun	12	18	20	62	94	104	8	260	31	10	70
16-Jun				0	0	0	0	0	#DIV/0!		0
17-Jun	8	37		42	192	0	8	234	31	5	35
18-Jun	29	38	22	151	198	114	15	463	31	21	147
19-Jun		27		0	140	0	5	140	31	5	35
20-Jun	15	12		78	62	0	5	140	31	7	49
21-Jun		16		0	83	0	3	83	31	7	49
22-Jun	14	22	14	73	114	73	8	260	31	13	91
23-Jun	24	8	40	125	42	208	12	374	31	24	168
24-Jun	13			68	0	0	2	68	31	3	21
25-Jun		14	17	0	73	88	5	161	31	4	28
26-Jun	45	12		234	62	0	10	296	31	12	84
27-Jun			23	0	0	120	4	120	31	5	35
28-Jun				0	0	0	0	0	#DIV/0!		0
29-Jun				0	0	0	0	0	#DIV/0!		0
30-Jun	22	24	9	114	125	47	9	286	31	6	42
Totals							256	11015.1667		378	2646

Power Screen Hours & Production 2016

July

	operator		Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy		
	Bucket count		Grave	Days	Swing				bucket	cy	
1-Jul			0	0	0	0	0	#DIV/0!		0	
2-Jul	50	33	260	0	172	14	432	31	27	189	
3-Jul	22	27	114	0	140	8	255	31	14	98	
4-Jul	61	36	317	0	187	16	504	31	23	161	
5-Jul	29	24	90	151	468	29	744	26	24	168	
6-Jul	43	62	101	224	525	41	1071	26	29	203	
7-Jul		71	100	0	369	520	34	889	26	8	56
8-Jul	85	37		442	192	0	24	634	26		0
9-Jul				0	0	0	0	0	#DIV/0!		0
10-Jul				0	0	0	0	0	#DIV/0!		0
11-Jul	46	20		239	104	0	13	343	26		0
12-Jul	62	55		322	286	0	23	608	26		0
13-Jul	80	37		416	192	0	23	608	26	7	49
14-Jul	41	41		213	213	0	16	426	26		0
15-Jul		70	56	0	364	291	25	655	26		0
16-Jul				0	0	0	0	0	#DIV/0!		0
17-Jul				0	0	0	0	0	#DIV/0!		0
18-Jul		35		0	182	0	7	182	26		0
19-Jul		39	85	0	203	442	25	645	26		0
20-Jul		40	35	0	208	182	15	390	26		0
21-Jul			21	0	0	109	4	109	26		0
22-Jul				0	0	0	0	0	#DIV/0!		0
23-Jul				0	0	0	0	0	#DIV/0!		0
24-Jul				0	0	0	0	0	#DIV/0!		0
25-Jul				0	0	0	0	0	#DIV/0!		0
26-Jul		29	39	0	151	203	14	354	26		0
27-Jul	33	79	27	172	411	140	28	723	26		0
28-Jul		34	32	0	177	166	13	343	26	12	84
29-Jul		80	39	0	416	203	24	619	26	21	147
30-Jul	15		40	78	0	208	11	286	26	11	77
31-Jul	38	14	43	198	73	224	19	494	26	16	112
Totals							428	11315		192	1344

Power Screen Hours & Production 2016

August

	operator			Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy	
	Bucket count			Grave	Days	Swing				bucket	cy
1-Aug	42	46	36	218	239	187	21	645	31	21	147
2-Aug		56		0	291	0	9	291	31		0
3-Aug		29		0	151	0	5	151	31		0
4-Aug		96		0	499	0	16	499	31		0
5-Aug	38	68	33	198	354	172	23	723	31	3	21
6-Aug				0	0	0	0	0	#DIV/0!		0
7-Aug				0	0	0	0	0	#DIV/0!		0
8-Aug				0	0	0	0	0	#DIV/0!		0
9-Aug		23	38	0	120	198	10	317	31	7	49
10-Aug		60	48	0	312	250	18	562	31	18	126
11-Aug		70	20	0	364	104	15	468	31	12	84
12-Aug		68	38	0	354	198	18	551	31	7	49
13-Aug	29	37		151	192	0	11	343	31	14	98
14-Aug	20	19		104	99	0	7	203	31	12	84
15-Aug	23	23		120	120	0	8	239	31	12	84
16-Aug	24	44		125	229	0	11	354	31		0
17-Aug	16	23		83	120	0	7	203	31	4	28
18-Aug		13	26	0	68	135	7	203	31	12	84
19-Aug	27	39	24	140	203	125	15	468	31	25	175
20-Aug		21		0	109	0	4	109	31	5	35
21-Aug		19		0	99	0	3	99	31	4	28
22-Aug		41	42	0	213	218	14	432	31	22	154
23-Aug		54		0	281	0	9	281	31	5	35
24-Aug				0	0	0	0	0	#DIV/0!		0
25-Aug		58	21	0	302	109	13	411	31	9	63
26-Aug		79		0	411	0	13	411	31	8	56
27-Aug		33	42	0	172	218	13	390	31	20	140
28-Aug		33	48	0	172	250	14	421	31	15	105
29-Aug		29	21	0	151	109	8	260	31	9	63
30-Aug				0	0	0	0	0	#DIV/0!		0
31-Aug				0	0	0	0	0	#DIV/0!		147
Totals							269	8388		244	1855

Power Screen Hours & Production 2016

Sept	operator		Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy		
	Bucket count		Grave	Days	Swing				bucket	cy	
1-Sep	37	28	192	146	0	11	338	31	6	42	
2-Sep	21	38	109	198	0	10	307	31	18	126	
3-Sep		44	0	229	0	7	229	31	8	56	
4-Sep		39	0	203	0	7	203	31	7	49	
5-Sep			0	0	0	0	0	#DIV/0!		0	
6-Sep	73	17	380	88	0	15	468	31	22	154	
7-Sep	67	33	348	172	0	17	520	31	8	56	
8-Sep	28		146	0	0	5	146	31	7	49	
9-Sep			8	0	0	42	1	42	31	0	
10-Sep			0	0	0	0	0	#DIV/0!		0	
11-Sep			0	0	0	0	0	#DIV/0!		0	
12-Sep		5	0	26	0	1	26	31		0	
13-Sep	45	30	234	156	0	13	390	31	19	133	
14-Sep			0	0	0	0	0	#DIV/0!		0	
15-Sep	31	24	36	161	125	187	15	473	31	21	147
16-Sep	32	25	47	166	130	244	17	541	31	20	140
17-Sep			0	0	0	0	0	#DIV/0!		0	
18-Sep	45		234	0	0	8	234	31	6	42	
19-Sep	36		22	187	0	114	10	302	31	5	35
20-Sep			0	0	0	0	0	#DIV/0!		0	
21-Sep			0	0	0	0	0	#DIV/0!		0	
22-Sep	61		317	0	0	10	317	31	14	98	
23-Sep	18		94	0	0	3	94	31	10	70	
24-Sep	6	62	31	322	0	11	354	31	17	119	
25-Sep		43	0	224	0	7	224	31	10	70	
26-Sep			29	0	0	151	5	151	31	11	77
27-Sep			27	0	0	140	5	140	31	5	35
28-Sep	59	2	307	10	0	10	317	31	9	63	
29-Sep			0	0	0	0	0	#DIV/0!		0	
30-Sep	58	46	40	302	239	208	24	749	31	16	112
Totals							210	9044.33333		239	1673

Power Screen Hours & Production 2016

October

	operator			Tons Ran			Total daily	Total Daily	Tons Per.	Total 3/8 cy	
	Bucket count			Grave	Days	Swing	Hours	Production	Hour	bucket	cy
1-Oct	16	68	49	83	354	255	22	692	31	30	210
2-Oct	51	59	29	265	307	151	23	723	31	18	126
3-Oct	45	58		234	302	0	17	536	31	15	105
4-Oct		66	32	0	343	166	16	510	31	18	126
5-Oct		23	92	0	120	478	19	598	31	26	182
6-Oct				0	0	0	0	0	#DIV/0!		0
7-Oct				0	0	0	0	0	#DIV/0!		0
8-Oct				0	0	0	0	0	#DIV/0!		0
9-Oct			30	0	0	156	5	156	31	9	63
10-Oct	75		43	390	0	224	20	614	31	47	329
11-Oct	72		56	374	0	291	21	666	31	26	182
12-Oct	76		34	395	0	177	18	572	31	22	154
13-Oct	61		50	317	0	260	19	577	31	18	126
14-Oct				0	0	0	0	0	#DIV/0!		0
15-Oct			34	0	0	177	6	177	31	17	119
16-Oct			13	0	0	68	2	68	31		0
17-Oct				0	0	0	0	0	#DIV/0!		0
18-Oct	31		41	161	0	213	12	374	31	29	203
19-Oct				0	0	0	0	0	#DIV/0!		0
20-Oct			23	0	0	120	4	120	31	5	35
21-Oct			86	0	0	447	14	447	31		0
22-Oct	68		53	354	0	276	20	629	31	27	189
23-Oct	49		49	255	0	255	16	510	31	10	70
24-Oct	67		24	348	0	125	15	473	31	20	140
25-Oct	29		6	151	0	31	6	182	31	3	21
26-Oct				0	0	0	0	0	#DIV/0!		0
27-Oct				0	0	0	0	0	#DIV/0!		0
28-Oct				0	0	0	0	0	#DIV/0!		0
29-Oct				0	0	0	0	0	#DIV/0!		0
30-Oct				0	0	0	0	0	#DIV/0!		0
31-Oct				0	0	0	0	0	#DIV/0!		210
Totals							254	10929.1667		340	2590

Power Screen Hours & Production 2016

Nov	operator		Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy		
	Bucket count		Grave	Days	Swing				bucket	cy	
1-Nov			0	0	0	0	0	#DIV/0!		0	
2-Nov			0	0	0	0	0	#DIV/0!		0	
3-Nov			0	0	0	0	0	#DIV/0!		0	
4-Nov			0	0	0	0	0	#DIV/0!		0	
5-Nov			0	0	0	0	0	#DIV/0!		0	
6-Nov			0	0	0	0	0	#DIV/0!		0	
7-Nov			0	0	0	0	0	#DIV/0!		0	
8-Nov		10	0	0	52	2	52	31	6	42	
9-Nov		18	19	0	94	99	6	192	31	6	42
10-Nov	38	10	23	198	52	120	12	369	31	6	42
11-Nov				0	0	0	0	0	#DIV/0!		0
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	30			156	0	0	5	156	31	22	154
16-Nov	40		37	208	0	192	13	400	31	36	252
17-Nov				0	0	0	0	0	#DIV/0!		0
18-Nov			32	0	0	166	5	166	31	10	70
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	15			78	0	0	3	78	31	13	91
30-Nov				0	0	0	0	0	#DIV/0!		0
Totals							45	1414		99	693

Power Screen Hours & Production 2016

Dec	operator		Tons Ran			Total daily Hours	Total Daily Production	Tons Per. Hour	Total 3/8 cy		
	Bucket count		Grave	Days	Swing				bucket	cy	
1-Dec			0	0	0	0	0	#DIV/0!		0	
2-Dec		39	0	0	203	7	203	31	21	147	
3-Dec		22	0	0	114	4	114	31	14	98	
4-Dec		34	12	0	177	62	8	239	31	42	294
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			0	0	0	0	0	#DIV/0!		0	
10-Dec			0	0	0	0	0	#DIV/0!		0	
11-Dec			0	0	0	0	0	#DIV/0!		0	
12-Dec			0	0	0	0	0	#DIV/0!		0	
13-Dec	35		182	0	0	6	182	31	25	175	
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			0	0	0	0	0	#DIV/0!		0	
19-Dec			0	0	0	0	0	#DIV/0!		0	
20-Dec	39		203	0	0	7	203	31	19	133	
21-Dec			0	0	0	0	0	#DIV/0!		0	
22-Dec			0	0	0	0	0	#DIV/0!		0	
23-Dec			0	0	0	0	0	#DIV/0!		0	
24-Dec			0	0	0	0	0	#DIV/0!		0	
25-Dec			0	0	0	0	0	#DIV/0!		0	
26-Dec			0	0	0	0	0	#DIV/0!		0	
27-Dec			0	0	0	0	0	#DIV/0!		0	
28-Dec			0	0	0	0	0	#DIV/0!		0	
29-Dec			0	0	0	0	0	#DIV/0!		0	
30-Dec			0	0	0	0	0	#DIV/0!		0	
31-Dec			0	0	0	0	0	#DIV/0!		0	
Totals							30	941		121	847

Power Screen Hours & Production 2017

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			0	0	0	0	0	#DIV/0!	Down	#VALUE!
2-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
3-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
4-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
5-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
6-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
7-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
8-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
9-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
10-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
11-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
12-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
13-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
14-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
15-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
16-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
17-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
18-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
19-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
20-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
21-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
22-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
23-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
24-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
25-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
26-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
27-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
28-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
29-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
30-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
31-Jan			0	0	0	0	0	#DIV/0!	Down	#VALUE!
Totals			0	0	0	0	0		0	#VALUE!

Power Screen Hours & Production 2017

February

	operator		Tons Ran			Total daily	Total Daily	Tons Per.	Total 3/8 cy	
	Bucket count		Grave	Days	Swing	Hours	Production	Hour	bucket	cy
1-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
2-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
3-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
4-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
5-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
6-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
7-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
8-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
9-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
10-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
11-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
12-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
13-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
14-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
15-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
16-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
17-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
18-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
19-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
20-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
21-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
22-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
23-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
24-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
25-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
26-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
27-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
28-Feb			0	0	0	0	0	#DIV/0!	Down	#VALUE!
						0	0			
Totals			0	0	0	0	0			#VALUE!

Power Screen Hours & Production 2017

March

	operator		Tons Ran			Total daily	Total Daily	Tons Per.	Total 3/8 cy	
	Bucket count		Grave	Days	Swing	Hours	Production	Hour	bucket	cy
1-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
2-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
3-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
4-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
5-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
6-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
7-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
8-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
9-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
10-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
11-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
12-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
13-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
14-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
15-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
16-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
17-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
18-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
19-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
20-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
21-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
22-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
23-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
24-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
25-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
26-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
27-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
28-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
29-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
30-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
31-Mar			0	0	0	0	0	#DIV/0!	Down	#VALUE!
Totals			0	0	0	0	0		0	#VALUE!

APPENDIX B

PO0036PC2 Condition #1

Natural Gas Consumption

Daily & Monthly Natural Gas Useage

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

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
4/1/2016	1067	655	1722
4/2/2016	334	649	983
4/3/2016	376	635	1011
4/4/2016	532	626	1158
4/5/2016	741	668	1409
4/6/2016	687	652	1339
4/7/2016	403	628	1031
4/8/2016	765	664	1429
4/9/2016	718	664	1382
4/10/2016	713	532	1245
4/11/2016	534	542	1076
4/12/2016	496	666	1162
4/13/2016	312	666	978
4/14/2016	617	654	1271
4/15/2016	625	654	1279
4/16/2016	335	293	628
4/17/2016	734	578	1312
4/18/2016	526	537	1064
4/19/2016	530	481	1011
4/20/2016	606	550	1156
4/21/2016	555	520	1075
4/22/2016	547	619	1166
4/23/2016	744	623	1367
4/24/2016	729	628	1357
4/25/2016	730	598	1328
4/26/2016	541	514	1055
4/27/2016	688	614	1302
4/28/2016	329	597	926
4/29/2016	333	586	919
4/30/2016	663	611	1274
	17,510	17,904	35,415

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
5/1/2016	386	612	998
5/2/2016	523	578	1101
5/3/2016	685	488	1173
5/4/2016	724	613	1337
5/5/2016	458	582	1040
5/6/2016	721	531	1252
5/7/2016	722	638	1360
5/8/2016	725	632	1357
5/9/2016	735	626	1361
5/10/2016	934	433	1367
5/11/2016	720	626	1346
5/12/2016	690	638	1328
5/13/2016	482	503	985
5/14/2016	832	501	1333
5/15/2016	524	850	1374
5/16/2016	611	793	1404
5/17/2016	902	453	1355
5/18/2016	690	680	1370
5/19/2016	692	683	1375
5/20/2016	625	701	1326
5/21/2016	635	171	806
5/22/2016	688	0	688
5/23/2016	670	138	808
5/24/2016	703	689	1392
5/25/2016	653	660	1313
5/26/2016	730	669	1399
5/27/2016	703	640	1343
5/28/2016	508	657	1165
5/29/2016	113	72	185
5/30/2016	661	695	1356
5/31/2016	695	724	1419
	20,140	17,276	37,416

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
6/1/2016	744	680	1424
6/2/2016	649	647	1296
6/3/2016	709	691	1400
6/4/2016	692	678	1370
6/5/2016	697	696	1393
6/6/2016	672	676	1348
6/7/2016	674	680	1354
6/8/2016	656	696	1352
6/9/2016	665	705	1370
6/10/2016	657	721	1378
6/11/2016	552	715	1267
6/12/2016	723	702	1425
6/13/2016	618	681	1299
6/14/2016	706	699	1405
6/15/2016	695	705	1400
6/16/2016	689	702	1391
6/17/2016	735	773	1508
6/18/2016	660	567	1227
6/19/2016	585	631	1216
6/20/2016	725	561	1286
6/21/2016	441	673	1114
6/22/2016	0	637	637
6/23/2016	524	670	1194
6/24/2016	713	599	1312
6/25/2016	703	693	1396
6/26/2016	597	790	1387
6/27/2016	783	597	1380
6/28/2016	731	717	1448
6/29/2016	721	527	1248
6/30/2016	727	723	1450
	19,443	20,232	39,675

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
7/1/2016	654	680	1334
7/2/2016	686	685	1371
7/3/2016	691	685	1376
7/4/2016	678	682	1360
7/5/2016	594	691	1285
7/6/2016	647	667	1314
7/7/2016	662	673	1335
7/8/2016	664	695	1359
7/9/2016	694	584	1278
7/10/2016	651	680	1331
7/11/2016	658	669	1327
7/12/2016	670	679	1349
7/13/2016	668	677	1345
7/14/2016	654	691	1345
7/15/2016	547	442	989
7/16/2016	657	682	1339
7/17/2016	663	694	1357
7/18/2016	680	720	1400
7/19/2016	648	687	1335
7/20/2016	657	703	1360
7/21/2016	579	627	1206
7/22/2016	620	354	974
7/23/2016	528	878	1406
7/24/2016	688	726	1414
7/25/2016	556	679	1235
7/26/2016	408	586	994
7/27/2016	212	642	854
7/28/2016	318	471	789
7/29/2016	623	658	1281
7/30/2016	366	357	723
7/31/2016	564	463	1027
	18,585	19,807	38,392

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
8/1/2016	579	687	1266
8/2/2016	714	705	1419
8/3/2016	675	698	1373
8/4/2016	700	715	1415
8/5/2016	618	677	1295
8/6/2016	552	667	1219
8/7/2016	689	672	1361
8/8/2016	592	636	1228
8/9/2016	708	659	1367
8/10/2016	666	588	1254
8/11/2016	718	668	1386
8/12/2016	678	655	1333
8/13/2016	693	636	1329
8/14/2016	671	658	1329
8/15/2016	588	635	1223
8/16/2016	643	670	1313
8/17/2016	696	637	1333
8/18/2016	705	668	1373
8/19/2016	644	642	1286
8/20/2016	690	677	1367
8/21/2016	704	661	1365
8/22/2016	702	707	1409
8/23/2016	728	433	1161
8/24/2016	729	69	798
8/25/2016	698	602	1300
8/26/2016	673	692	1365
8/27/2016	672	702	1374
8/28/2016	672	702	1374
8/29/2016	670	701	1371
8/30/2016	446	465	911
8/31/2016	155	122	277
	20,068	19,106	39,174

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
9/1/2016	755	765	1520
9/2/2016	547	591	1138
9/3/2016	658	674	1332
9/4/2016	659	673	1332
9/5/2016	665	679	1344
9/6/2016	659	673	1332
9/7/2016	641	674	1315
9/8/2016	668	558	1226
9/9/2016	705	127	832
9/10/2016	640	673	1313
9/11/2016	590	669	1259
9/12/2016	-7	702	695
9/13/2016	179	589	768
9/14/2016	643	624	1267
9/15/2016	496	584	1080
9/16/2016	744	606	1350
9/17/2016	695	623	1318
9/18/2016	716	605	1321
9/19/2016	745	607	1352
9/20/2016	671	603	1274
9/21/2016	689	632	1321
9/22/2016	721	649	1370
9/23/2016	712	649	1361
9/24/2016	719	677	1396
9/25/2016	728	693	1421
9/26/2016	699	673	1372
9/27/2016	700	613	1313
9/28/2016	682	713	1395
9/29/2016	619	656	1275
9/30/2016	649	702	1351
	18,987	18,956	37,943

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
10/1/2016	652	696	1348
10/2/2016	663	680	1343
10/3/2016	677	674	1351
10/4/2016	665	667	1332
10/5/2016	704	685	1389
10/6/2016	471	682	1153
10/7/2016	758	690	1448
10/8/2016	729	692	1421
10/9/2016	681	716	1397
10/10/2016	714	676	1390
10/11/2016	707	669	1376
10/12/2016	753	698	1451
10/13/2016	743	698	1441
10/14/2016	746	693	1439
10/15/2016	711	702	1413
10/16/2016	804	686	1490
10/17/2016	802	662	1464
10/18/2016	687	682	1369
10/19/2016	722	695	1417
10/20/2016	752	703	1455
10/21/2016	659	751	1410
10/22/2016	790	663	1453
10/23/2016	684	673	1357
10/24/2016	157	703	860
10/25/2016	763	711	1474
10/26/2016	710	644	1354
10/27/2016	744	684	1428
10/28/2016	727	686	1413
10/29/2016	732	677	1409
10/30/2016	737	667	1404
10/31/2016	723	676	1399
	21,567	21,281	42,848

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
11/1/2016	734	657	1391
11/2/2016	658	658	1316
11/3/2016	794	668	1462
11/4/2016	702	555	1257
11/5/2016	779	673	1452
11/6/2016	747	645	1392
11/7/2016	744	637	1381
11/8/2016	696	640	1336
11/9/2016	131	643	774
11/10/2016	737	645	1382
11/11/2016	778	669	1447
11/12/2016	755	663	1418
11/13/2016	763	642	1405
11/14/2016	735	701	1436
11/15/2016	761	569	1330
11/16/2016	746	83	829
11/17/2016	766	672	1438
11/18/2016	738	659	1397
11/19/2016	744	679	1423
11/20/2016	782	658	1440
11/21/2016	663	639	1302
11/22/2016	755	569	1324
11/23/2016	789	690	1479
11/24/2016	714	443	1157
11/25/2016	814	378	1192
11/26/2016	724	642	1366
11/27/2016	554	452	1006
11/28/2016	785	669	1454
11/29/2016	752	637	1389
11/30/2016	524	569	1093
	21,364	18,104	39,468

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
12/1/2016	796	675	1471
12/2/2016	787	665	1452
12/3/2016	534	423	957
12/4/2016	721	564	1285
12/5/2016	754	654	1408
12/6/2016	792	681	1473
12/7/2016	764	658	1422
12/8/2016	768	662	1430
12/9/2016	785	706	1491
12/10/2016	679	628	1307
12/11/2016	699	651	1350
12/12/2016	661	604	1265
12/13/2016	718	659	1377
12/14/2016	710	642	1352
12/15/2016	718	651	1369
12/16/2016	674	505	1179
12/17/2016	738	651	1389
12/18/2016	739	664	1403
12/19/2016	663	613	1276
12/20/2016	695	648	1343
12/21/2016	581	646	1227
12/22/2016	479	436	915
12/23/2016	628	589	1217
12/24/2016	563	641	1204
12/25/2016	721	626	1347
12/26/2016	707	595	1302
12/27/2016	699	457	1156
12/28/2016	566	640	1206
12/29/2016	442	636	1078
12/30/2016	487	633	1120
12/31/2016	701	699	1400
	20,969	19,202	40,171

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
1/1/2017	473	553	1026
1/2/2017	716	633	1349
1/3/2017	704	543	1247
1/4/2017	714	411	1125
1/5/2017	382	170	552
1/6/2017	648	321	969
1/7/2017	610	613	1223
1/8/2017	482	688	1170
1/9/2017	539	653	1192
1/10/2017	622	647	1269
1/11/2017	712	641	1353
1/12/2017	694	450	1144
1/13/2017	668	608	1276
1/14/2017	619	632	1251
1/15/2017	709	655	1364
1/16/2017	637	645	1282
1/17/2017	689	627	1316
1/18/2017	691	583	1274
1/19/2017	497	586	1083
1/20/2017	598	639	1237
1/21/2017	703	568	1271
1/22/2017	500	563	1063
1/23/2017	660	611	1271
1/24/2017	699	626	1325
1/25/2017	531	632	1163
1/26/2017	653	629	1282
1/27/2017	726	647	1373
1/28/2017	696	662	1358
1/29/2017	718	671	1389
1/30/2017	575	542	1117
1/31/2017	642	610	1252
	19,507	18,059	37,566

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
2/1/2017	642	558	1200
2/2/2017	481	610	1091
2/3/2017	493	639	1132
2/4/2017	333	443	776
2/5/2017	615	590	1205
2/6/2017	525	517	1042
2/7/2017	470	567	1037
2/8/2017	583	640	1223
2/9/2017	581	592	1173
2/10/2017	314	520	834
2/11/2017	345	552	897
2/12/2017	252	591	843
2/13/2017	550	520	1070
2/14/2017	579	460	1039
2/15/2017	344	537	881
2/16/2017	509	174	683
2/17/2017	0	480	480
2/18/2017	0	0	0
2/19/2017	147	70	217
2/20/2017	388	260	648
2/21/2017	174	378	552
2/22/2017	10	64	74
2/23/2017	0	0	0
2/24/2017	0	2	2
2/25/2017	239	222	461
2/26/2017	504	572	1076
2/27/2017	0	0	0
2/28/2017	11	372	383
3/1/2017	0	0	0
February Total	9,089	10,930	20,019

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
3/1/2017	15	571	586
3/2/2017	12	499	511
3/3/2017	158	260	418
3/4/2017	565	84	649
3/5/2017	693	535	1228
3/6/2017	460	479	939
3/7/2017	0	538	538
3/8/2017	19	269	288
3/9/2017	551	403	954
3/10/2017	513	547	1060
3/11/2017	4	500	504
3/12/2017	7	558	565
3/13/2017	150	447	597
3/14/2017	663	579	1242
3/15/2017	637	574	1211
3/16/2017	639	586	1225
3/17/2017	597	552	1149
3/18/2017	499	558	1057

3/19/2017	449	543	992
3/20/2017	594	542	1136
3/21/2017	604	542	1146
3/22/2017	612	544	1156
3/23/2017	414	405	819
3/24/2017	517	522	1039
3/25/2017	456	518	974
3/26/2017	436	461	897
3/27/2017	465	498	963
3/28/2017	360	402	762
3/29/2017	507	416	923
3/30/2017	593	569	1162
3/31/2017	640	605	1245
March Total	12,829	15,106	27,935

APPENDIX C

PO0036PC5 Condition #5 and #5

Biodiesel Supply and Delivery Data

Biosoy and Red Dye Diesel Received for 2016

	Date Received	Gallons	Bio B-99 Only	Red Dye Diesel Only
			Raw Tank	Mobile Equipment Tank
Jan-16	1/12/2016	6,978		6,978
Total				6,978
Feb-16			6,300	
Feb-16				5,550
Feb-16	25-Feb		6,396	
Total			12,696	5,550
Mar-16	14-Mar			3,857
	21-Mar		6,423	
	29-Mar			6,946
Total			6,423	10,803
Apr-16			6,500	
Total	28-Apr		6,500	6,500
May-16	12-May		6,427	
Total			6,427	
Jun-16	9-Jun		6,423	6,929
Total			6,423	6,929
Jul-16	13-Jul		5,901	6,414
Total			5,901	6,414
Aug-16	19-Aug		4,000	2,960
Total			4,000	2,960
Sep-16	7-Sep			6,917
	8-Sep		5,923	
Total			5,923	6,917
Oct-16	6-Oct		6,443	
	10-Oct			5,933
Total			6,443	5,933
Nov-16	11-Nov		6,423	
	18-Nov			6,703
Total			6,423	6,703
Dec-16	8-Dec		6,475	
	15-Dec			6,454
Total			6,475	6,454

Yearly Total Biodiesel 73,634
 Yearly Total Red diesel 72,141

67,733
 65,438

**#2 red &
 Bio Diesel**
 General Petroleum
 3815 vineyard ave.
 Oxnard, Ca 93031
 805-983-1219

0

bio analyses

Bio Diesel
 General Petroleum
 3815 vineyard ave.
 Oxnard, Ca 93031
 805-983-1219

Goodspeed
 11211 G avenue
 Hesperia, Ca 92340
 1-760-949-3356

Bio Diesel



Biodiesel Certificate of Analysis

**BQ-9000
Producer**

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

Lot Number:	710-90001-170223-T26	Product Type:	REG-9000/1
Inlet Seal Number:	1329191	OS:	D

ASTM D6751 Analysis of REG-9000® Biodiesel					
Property	Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:	-0.2 (32)	Report	Report	°C (°F)	D7397
Free Glycerin:	0.005	0.020, max	0.014	% mass	D6584
Total Glycerin:	0.059	0.240, max	0.16	% mass	D6584
Monoglycerides ¹ :	0.205	N/A	0.40, max	% mass	D6584
Diglycerides ¹ :	0.002	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 @ 74°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):	9.3	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	% mass	EN 14110
	Option 2: Flashpoint	179	130, min	130	°C
Moisture ¹ :	0.009	N/A	0.040, max	% mass	E203
Cold Soak Filtration:	109	360	200	seconds	D7501
Sulfur:	3.2	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 :	5.1 *	N/A	15, max	mg/L	D7321
Ester Content ¹ :	97.3 *	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:	4.496 *	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:	49.5 *	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: Carrie Rahn Lab Technician/REG Albert Lea, LLC 2/24/2017
 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.

	<h2>Biodiesel Certificate of Analysis</h2>	BQ-9000 Producer
	<small>FM LAB 001a Biodiesel Certificate of Analysis-REG 20151130</small>	

Lot Number:	716-90001-160301-T1051	Product Type:	REG-9000/1
Inlet Seal Number:	3254267	OS:	E

ASTM D6751 Analysis of REG-9000 [®] Biodiesel						
Property	Value	ASTM D6751 Limit	REG-9000 [®] Limit	Units	Test Method (current revision)	
Cloud point:	-1.1 (30)	Report	Report	°C (°F)	D7397	
Free Glycerin:	0.012	0.020, max	0.014	% mass	D6584	
Total Glycerin:	0.044	0.240, max	0.16	% mass	D6584	
Monoglycerides ¹	0.126	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:	0.38	0.50, max	0.40	mg KOH/g	D664	
Visual Inspection ¹ :	1 @ 81.2°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):	11.6	3 min	6.0	hrs	EN 15751	
Flash point (closed cup):	175.0	93 min	93	°C	D93	
Alcohol Control	Option 1: Methanol	0	0.2, max	0.2	% mass	EN 14110
	Option 2: Flashpoint	175	130, min	130	°C	D93
Moisture ¹ :	0.003	N/A	0.040, max	% mass	D6304	
Cold Soak Filtration:	98	360	200	seconds	D7501	
Sulfur:	4.4	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 *	1.0-5.0	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	D813	

¹ These tests are not ASTM D6751 specification requirements.
² This value is the most recently acquired result for this product from this plant. This test is performed on a daily basis.

Prepared by: Jameson Deckard Lab/Quality Coordinator REG Mason City LLC 3/2/2018
 Name Title Location Date

Please contact Inside Sales at Renewable Energy Group, Inc. at (888)734-8386 with any questions or comments about this product.

	<h1>Biodiesel Certificate of Analysis</h1>	BQ-9000 Producer
	FM.LAB.001a Biodiesel Certificate of Analysis-REG 20151130	

Lot Number:	710-90001-160101-T3	Product Type:	REG-9000/1
Inlet Seal Number:	1100005	OS:	E

ASTM D6751 Analysis of REG-9000 [®] Biodiesel					
Property	Value	ASTM D6751 Limit	REG-9000 [®] Limit	Units	Test Method (current revision)
Cloud point:	-2.5 (28)	Report	Report	°C (°F)	D7397
Free Glycerin:	0.004	0.020, max	0.014	% mass	D6584
Total Glycerin:	0.068	0.240, max	0.16	% mass	D6584
Monoglycerides ¹ :	0.243	N/A	0.40, max	% mass	D6584
Diglycerides ¹ :	0.005	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 @ 75°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):	12.4	3, min	6.0	hrs	EN 15751
Flash point (closed cup):	178.5	93, min	93	°C	D93
Alcohol Control	Option 1: Methanol	N/A	0.2, max	% mass	EN 14110
	Option 2: Flashpoint	178.5	130, min	130	°C
Moisture ¹ :	0.006	N/A	0.040, max	% mass	E203
Cold Soak Filtration:	91	360	200	seconds	D7501
Sulfur:	2.3	15	15	ppm (mg/kg)	D7039
Sodium & Potassium Combined:	0.2 *	5, max	1.5	ppm (mg/kg)	EN 14538
Calcium & Magnesium Combined:	0.5 *	5, max	1.5	ppm (mg/kg)	EN 14538
Total Contamination ¹ :	2.4 *	N/A	15, max	mg/L	D7321
Ester Content ¹ :	97.7 *	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:	4.101 *	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:	49.7 *	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 01/05/2016

Name	Title	Location	Date
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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

Trinity Frazier Park

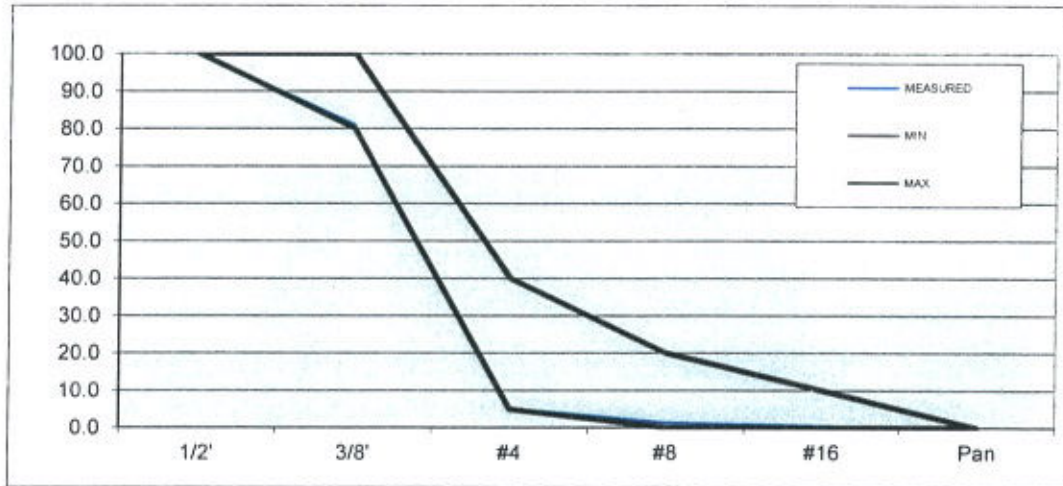
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 03/05/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weigh: **1698**

Tare Weight

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 Weight Analysis

Trinity Frazier Park

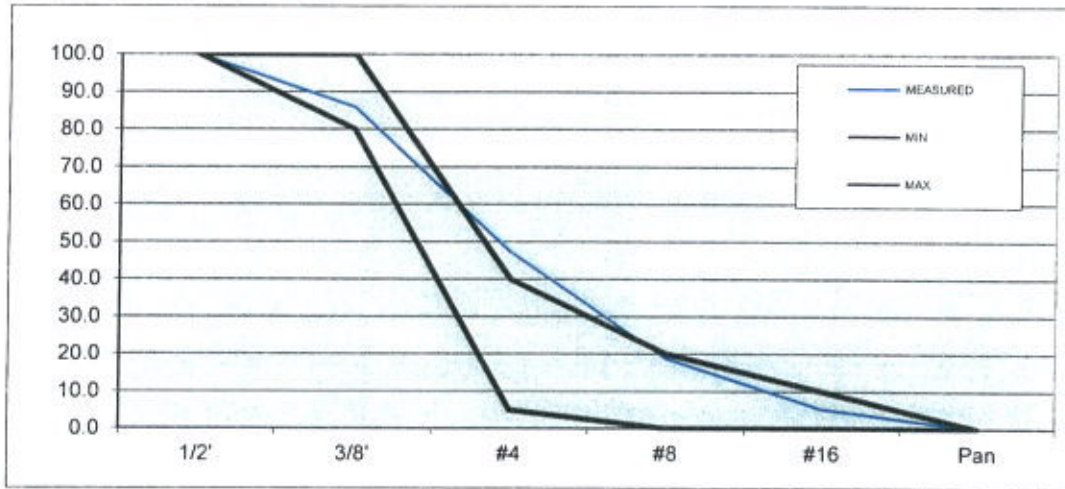
Ticket # Feed going In Power screen

Sampler JJ

Date: 03/05/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weigh	1736	Tare Weight	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 Wiegth Analysis

Trinity Frazier Park

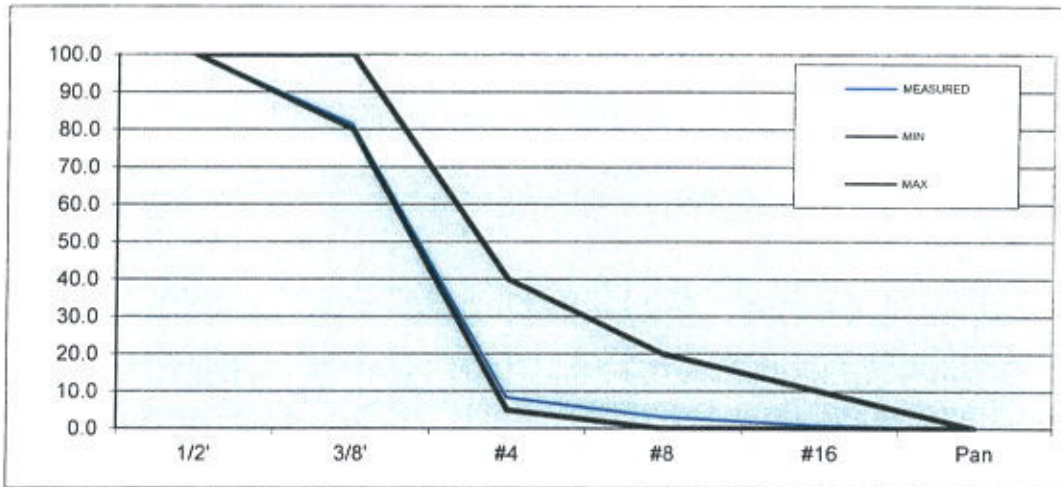
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 04/11/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weigh' **1699**

Tare Wiegth

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 Wiegth Analysis

Trinity Frazier Park

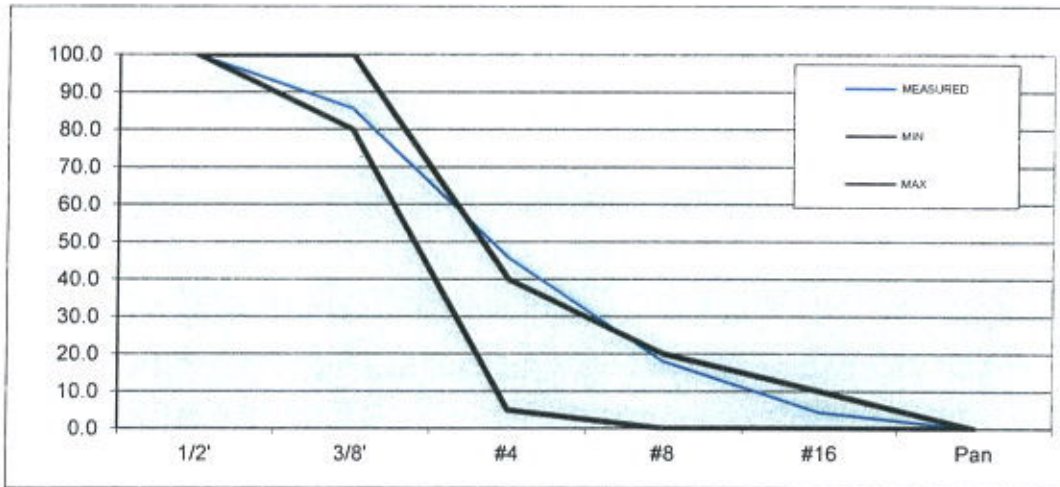
Ticket # Feed going In Power screen

Sampler JJ

Date: 04/11/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Wiegth	1395	Sp. Gravity	1.80
Gross Wiegth	1732	Lab B/W			
Bucket Weigh	60				
Wet Weight	756				
Dry Weight	628				



Frazier Park

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

ASTM Light Wiegth Analysis

Trinity Frazier Park

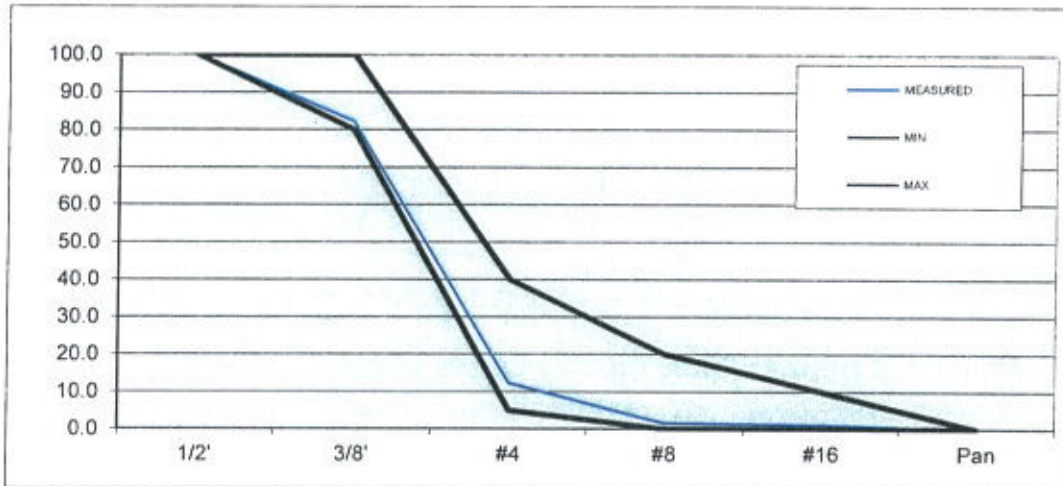
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 05/09/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	76.0	17.7	82.3	80.0	100.0
#4	377.0	87.7	12.3	5.0	40.0
#8	423.0	98.4	1.6	0.0	20.0
#16	425.0	98.8	1.2	0.0	10.0
Pan	430.0	100.0	0.0	0.0	0.0

% MOISTURE **20.5**

Gross Weigh **1609**

Tare Wiegth

1395

Sp. Gravity

1.70

Bucket Weigh

51

Lab B/W

Wet Weight

518

Dry Weight

430



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

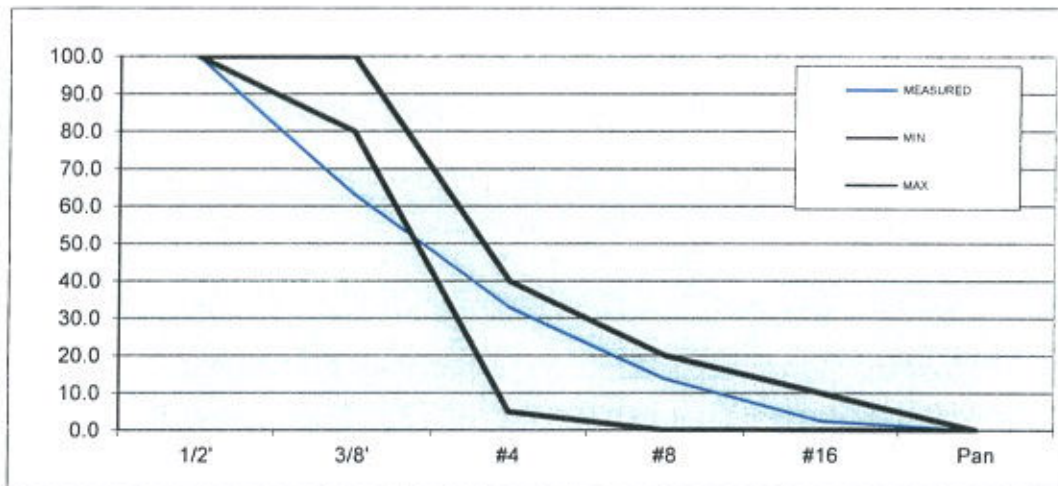
Ticket # Feed going In Power screen

Sampler JJ

Date: 05/09/16

Time 10AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weigh **1693**
 Bucket Weigh **54.5**
 Wet Weight **687**
 Dry Weight **576**

Tare Weight **1395** Sp. Gravity **1.77**

Lab B/W



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

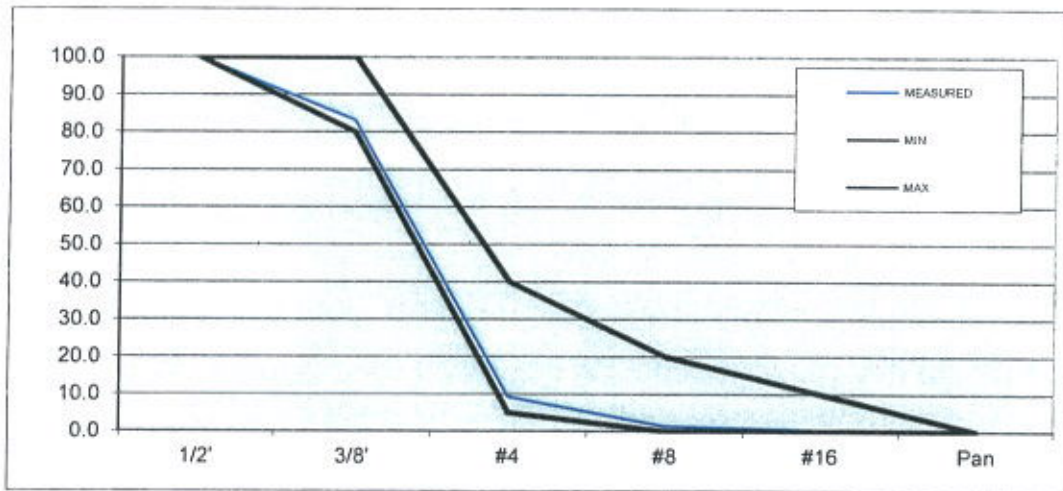
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 06/18/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weigh **1602**

Tare Weight **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 Weight Analysis

Trinity Frazier Park

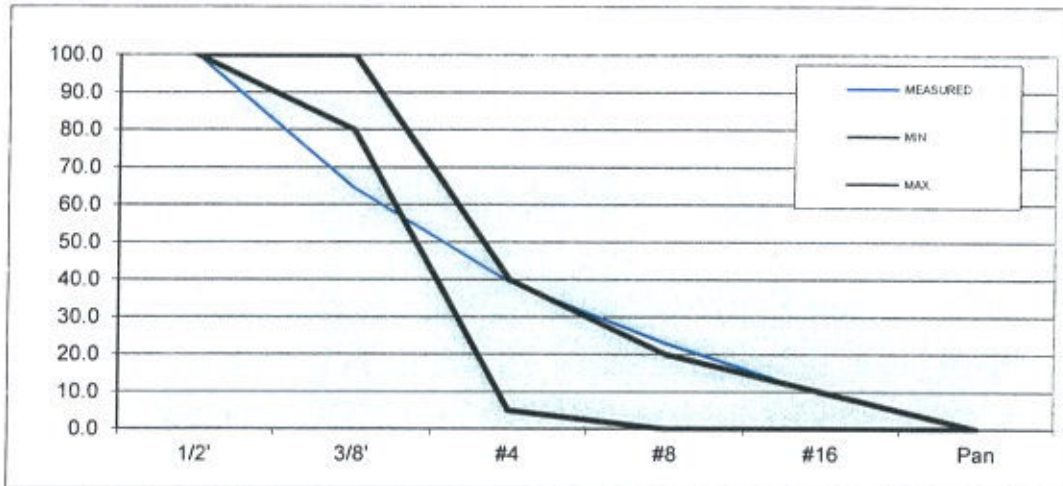
Ticket # Feed going In Power screen

Sampler JJ

Date: 06/18/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weigh' **1693**

Tare Weight

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 Weight Analysis

Trinity Frazier Park

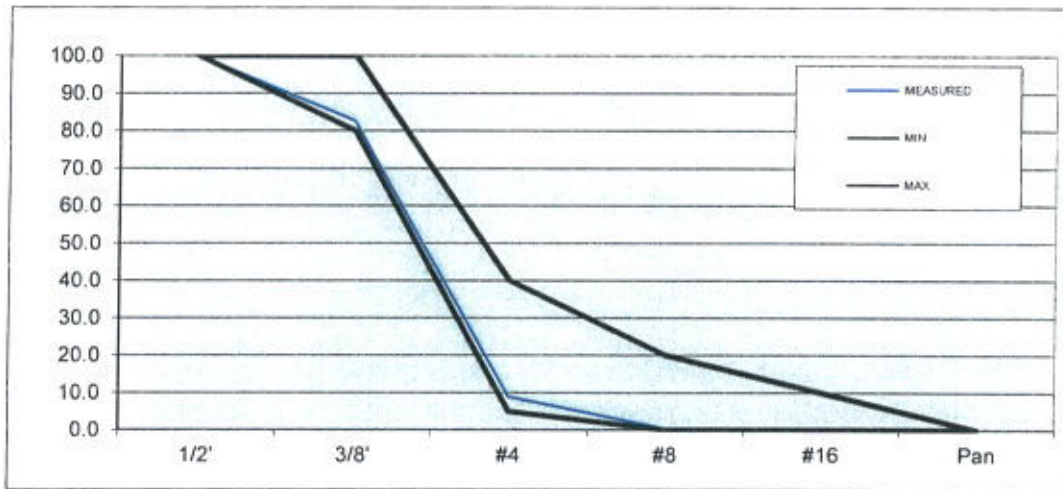
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 07/14/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.69
Gross Weight	1601	Lab B/W			
Bucket Weight	49.5				
Wet Weight	506				
Dry Weight	424				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

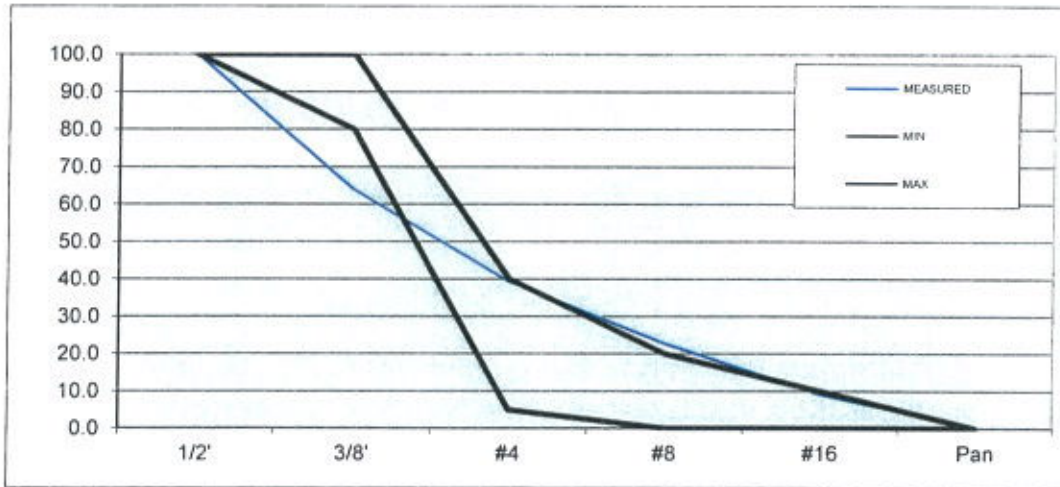
Ticket # Feed going In Power screen

Sampler JJ

Date: 07/14/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.69
Gross Weight	1678	Lab B/W			
Bucket Weight	56.5				
Wet Weight	695				
Dry Weight	591				



Frazier Park

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

ASTM Light Wiegth Analysis

Trinity Frazier Park

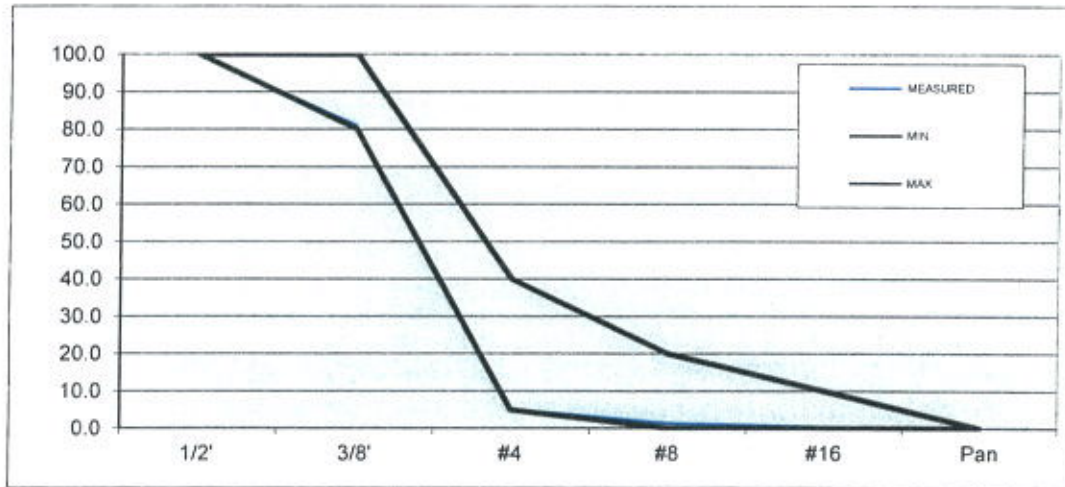
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 08/15/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Wiegth	1395	Sp. Gravity	1.73
Gross Wiegth	1698	Lab B/W			
Bucket Weigh	52.5				
Wet Weight	718				
Dry Weight	596				



Frazier Park

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

ASTM Light Wiegth Analysis

Trinity Frazier Park

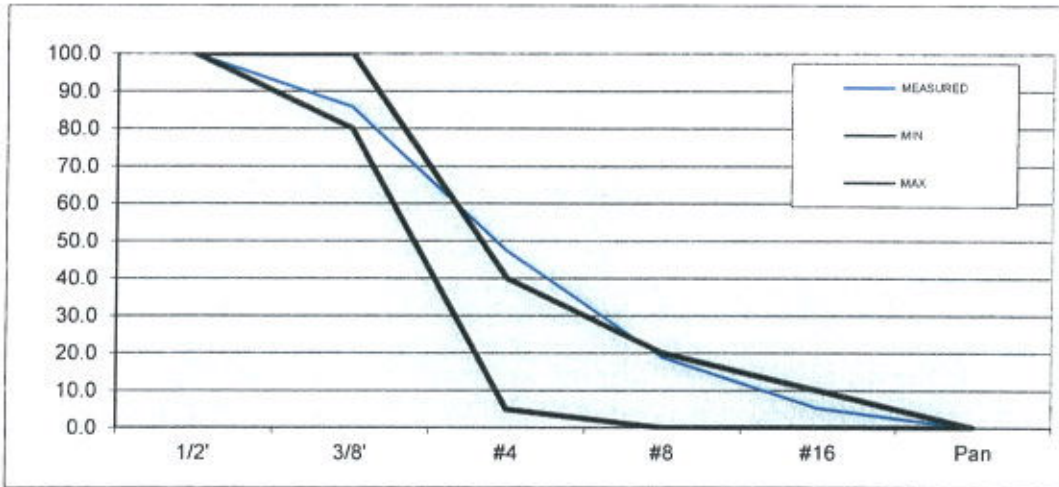
Ticket # Feed going In Power screen

Sampler JJ

Date: 08/15/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weigh **1736**
 Bucket Weigh **60**
 Wet Weight **770**
 Dry Weight **630**

Tare Wiegth **1395** Sp. Gravity **1.79**
 Lab B/W



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

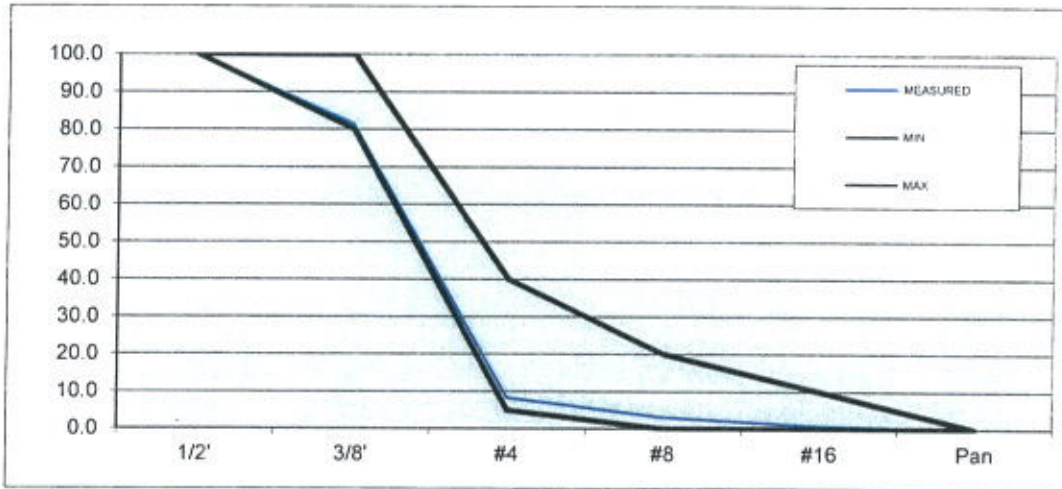
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 09/21/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.73
Gross Weigh:	1699	Lab B/W			
Bucket Weigh	52.5				
Wet Weight	720				
Dry Weight	595				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

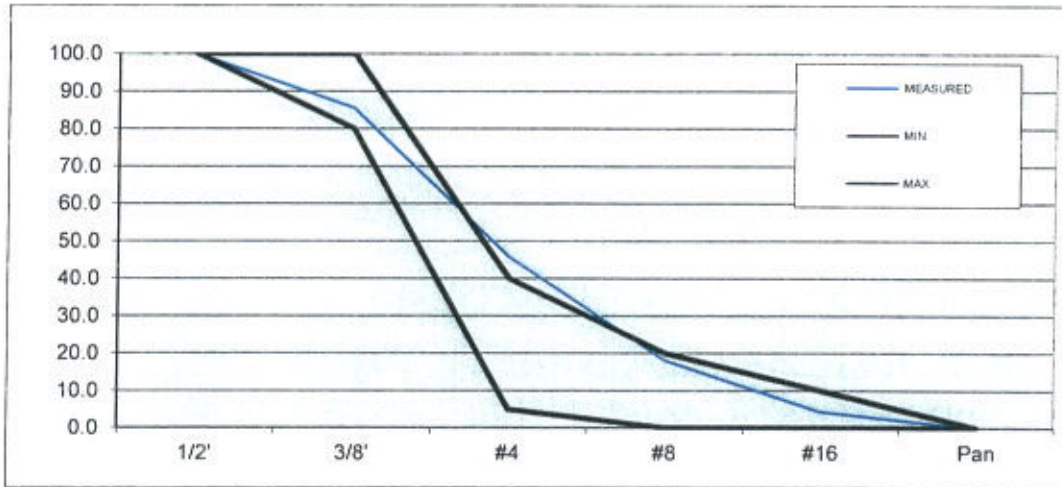
Ticket # Feed going In Power screen

Sampler JJ

Date: 09/21/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.80
Gross Weight	1732	Lab B/W			
Bucket Weight	60				
Wet Weight	756				
Dry Weight	628				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

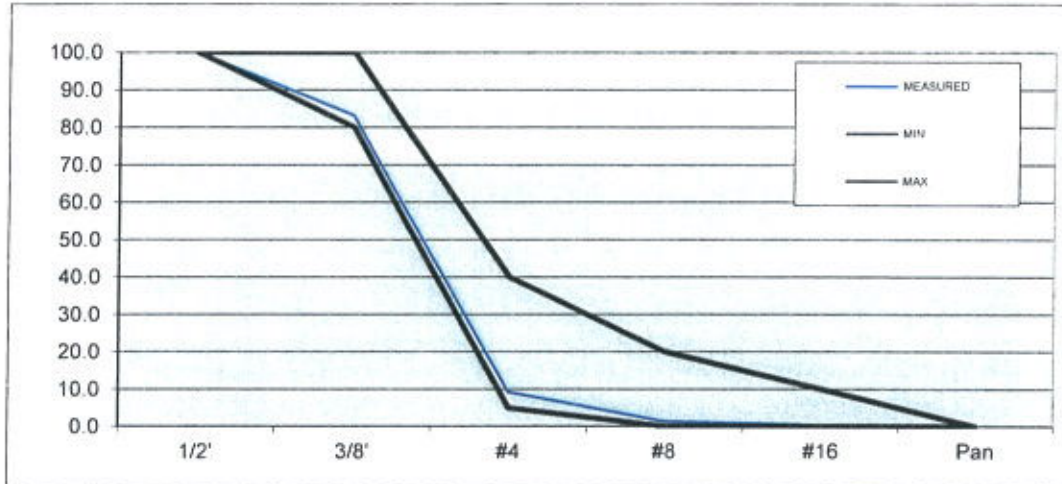
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 10/07/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.62
Gross Weight	1588	Lab B/W	55	HS	
Bucket Weight	49				
Wet Weight	506				
Dry Weight	419				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

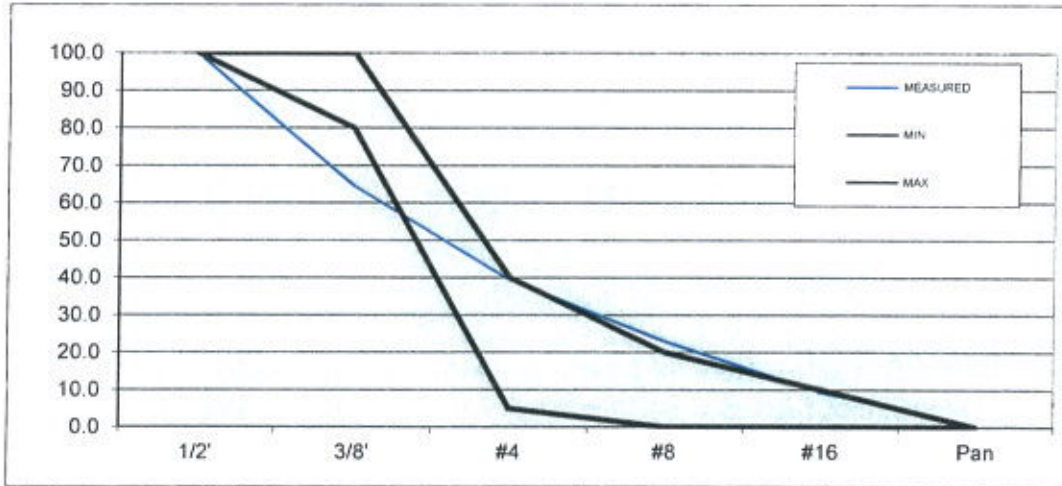
Ticket # Feed going In Power screen

Sampler JJ

Date: 10/07/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.69
Gross Weight	1693	Lab B/W	55	HS	
Bucket Weight	57.5				
Wet Weight	731				
Dry Weight	589				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

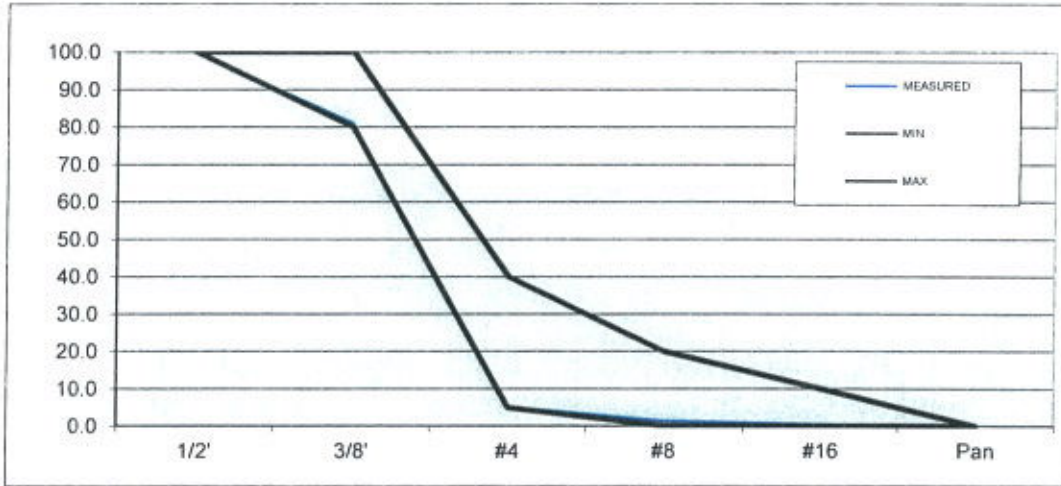
Ticket # 3/8 out of Power screen

Sampler JJ

Date: 11/15/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.73
Gross Weight	1698	Lab B/W	55	HS	
Bucket Weight	52.5				
Wet Weight	718				
Dry Weight	596				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

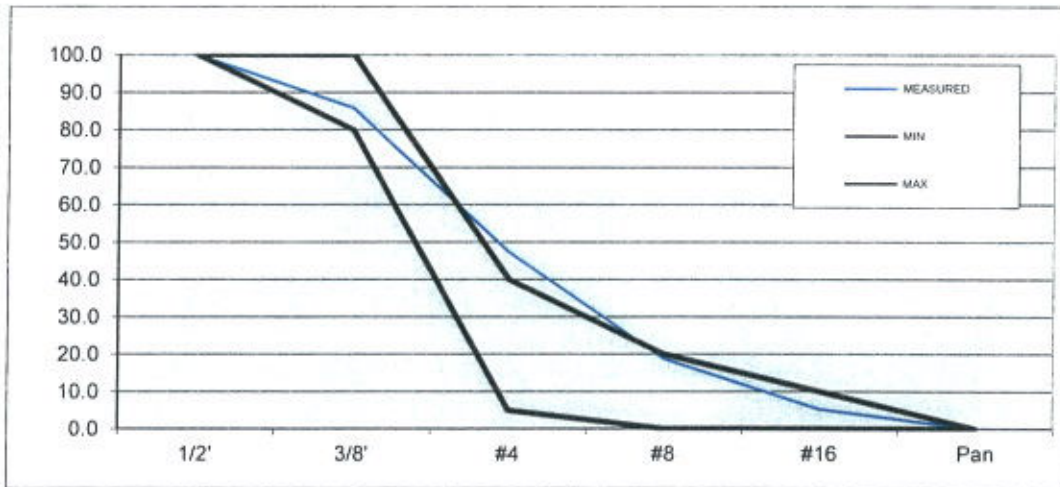
Ticket # Feed going In Power screen

Sampler JJ

Date: 11/15/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	Tare Weight	1395	Sp. Gravity	1.79
Gross Weigh	1736	Lab B/W	55	HS	
Bucket Weigh	60				
Wet Weight	770				
Dry Weight	630				



Frazier Park

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

ASTM Light Weight Analysis Title 5

Trinity Frazier Park

Ticket # Raw Clay

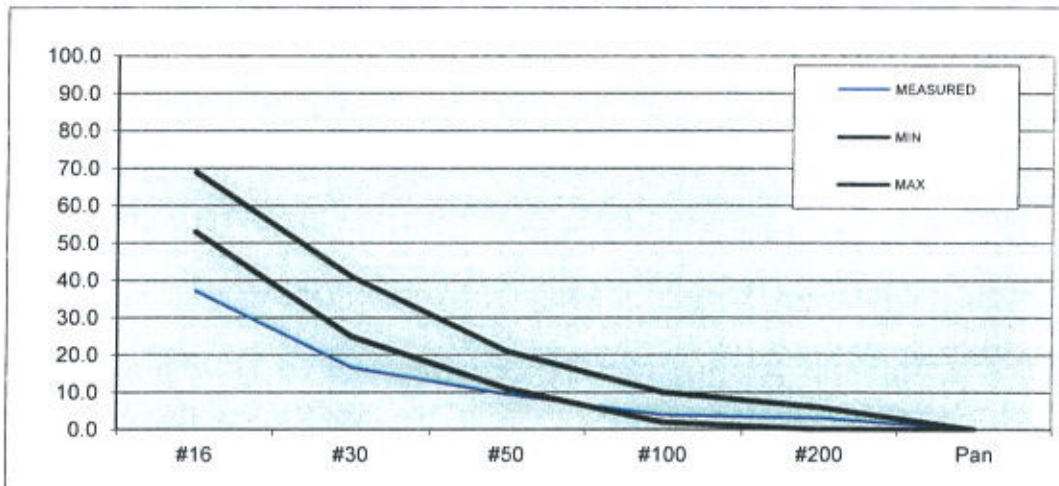
Sampler JJ

Date: 02/08/17

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	20.0	4.8	95.2	100.0	100.0
#8	141.0	33.8	66.2	96.0	90.0
#16	262.0	62.8	37.2	69.0	53.0
#30	348.0	83.5	16.5	41.0	25.0
#50	378.0	90.6	9.4	21.0	11.0
#100	401.0	96.2	3.8	10.0	2.0
#200	404.0	96.9	3.1	6.0	0.0
Pan	417.0	100.0	0.0	0.0	0.0

Sample Locations

- 1 23.50%
- 2 20.18%
- 3 21.50%
- 4 29.80%

% MOISTURE 23.5

Bucket Weigh 69
 Wet Weight 515
 Dry Weight 417

Lab B/W



Frazier Park

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

ASTM Light Weight Analysis Title 5

Trinity Frazier Park

Ticket # Raw Clay

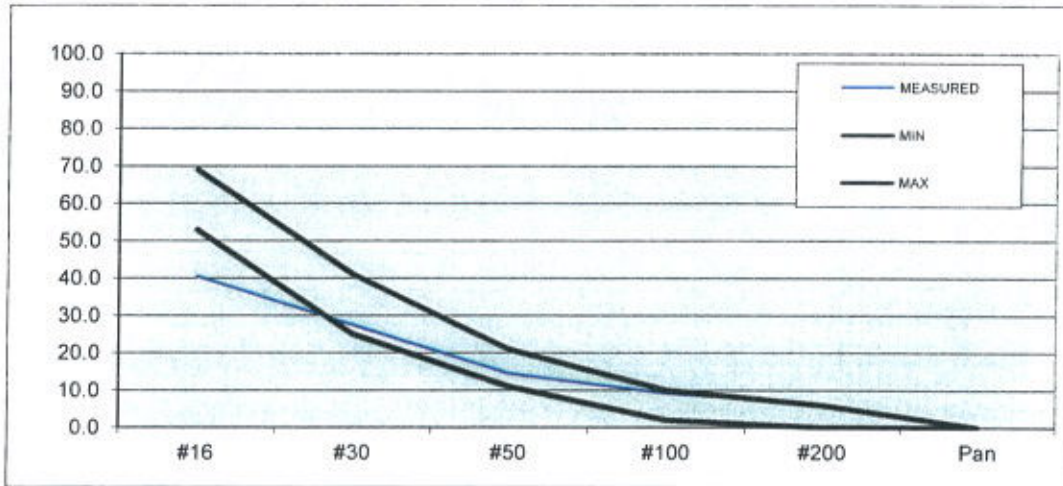
Sampler JJ

Date: 01/27/17

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	31.0	7.2	92.8	100.0	100.0
#8	139.0	32.5	67.5	96.0	90.0
#16	255.0	59.6	40.4	69.0	53.0
#30	311.0	72.7	27.3	41.0	25.0
#50	366.0	85.5	14.5	21.0	11.0
#100	389.0	90.9	9.1	10.0	2.0
#200	401.0	93.7	6.3	6.0	0.0
Pan	428.0	100.0	0.0	0.0	0.0

Sample Locations

1	24.80%
2	22.60%
3	20.80%
4	30.00%

% MOISTURE 24.8

Bucket Weigh 68.5
Wet Weight 534
Dry Weight 428

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

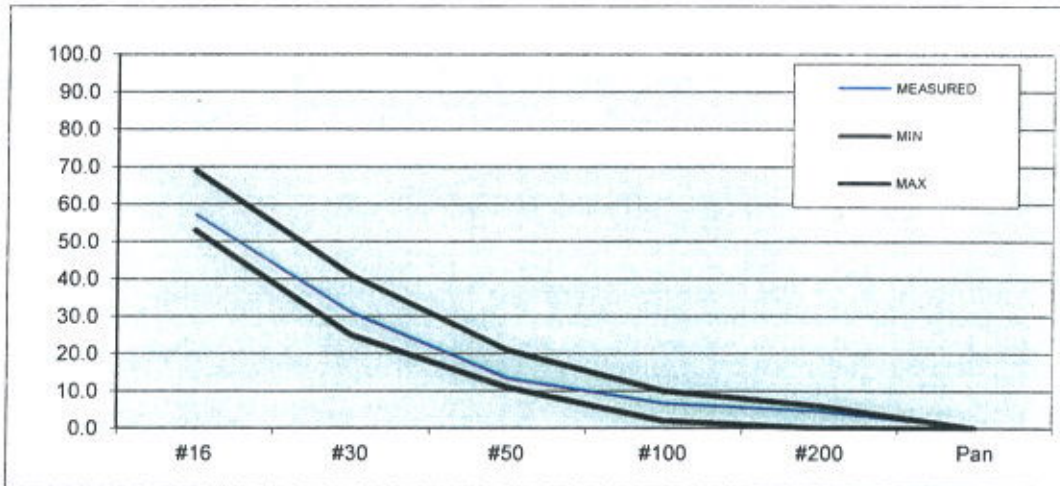
Sampler JJ

Date: 12/21/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	22.0	5.3	94.7	100.0	100.0
#8	115.0	27.5	72.5	96.0	90.0
#16	179.0	42.8	57.2	69.0	53.0
#30	289.0	69.1	30.9	41.0	25.0
#50	362.0	86.6	13.4	21.0	11.0
#100	390.0	93.3	6.7	10.0	2.0
#200	399.0	95.5	4.5	6.0	0.0
Pan	418.0	100.0	0.0	0.0	0.0

Sample Locations

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

% MOISTURE 22.7

Bucket Weigh 65.5
 Wet Weight 513
 Dry Weight 418

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

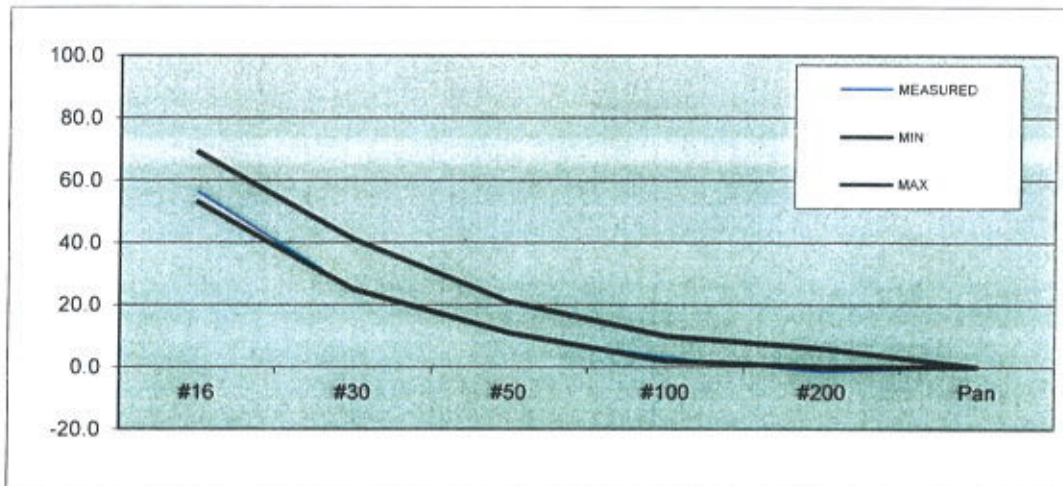
Sampler JJ

Date: 11/27/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	26.0	6.5	93.5	100.0	100.0
#8	109.0	27.3	72.8	96.0	90.0
#16	175.0	43.8	56.3	69.0	53.0
#30	300.0	75.0	25.0	41.0	25.0
#50	358.0	89.5	10.5	21.0	11.0
#100	388.0	97.0	3.0	10.0	2.0
#200	406.0	101.5	-1.5	6.0	0.0
Pan	400.0	100.0	0.0	0.0	0.0

Sample Locations	
1	21.30%
2	17.00%
3	16.00%
4	21.20%

% MOISTURE	21.3	Lab B/W	JJ
Bucket Weigh	65.5		
Wet Weight	485		
Dry Weight	400		



Frazier Park

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

ASTM Light Weight Analysis Title 5

Trinity Frazier Park

Ticket # Raw Clay

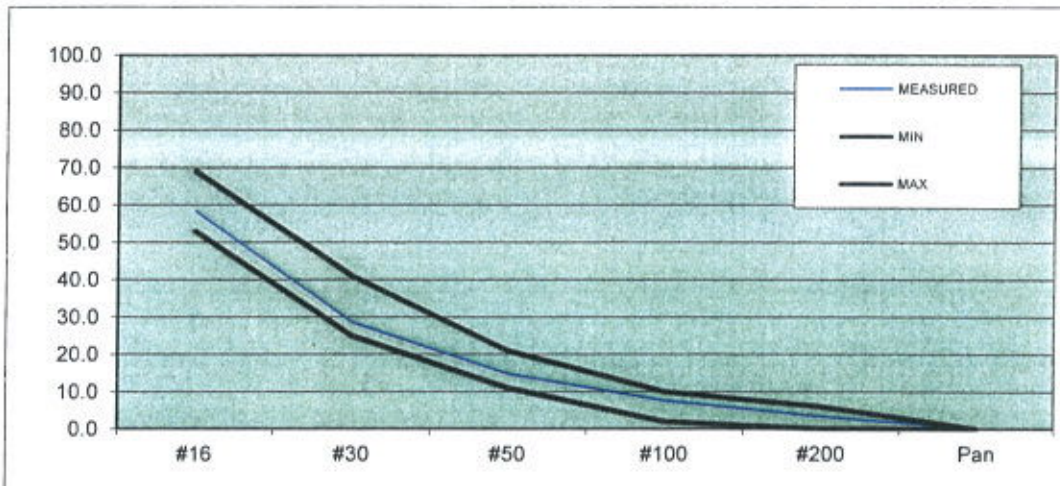
Sampler JJ

Date: 10/15/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	26.0	6.2	93.8	100.0	100.0
#8	109.0	26.0	74.0	96.0	90.0
#16	175.0	41.7	58.3	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 17.50%
- 3 16.00%
- 4 20.80%

% MOISTURE 19.0

Bucket Weigh 65.5
 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 Weight Analysis Title 5

Trinity Frazier Park

Ticket # Raw Clay

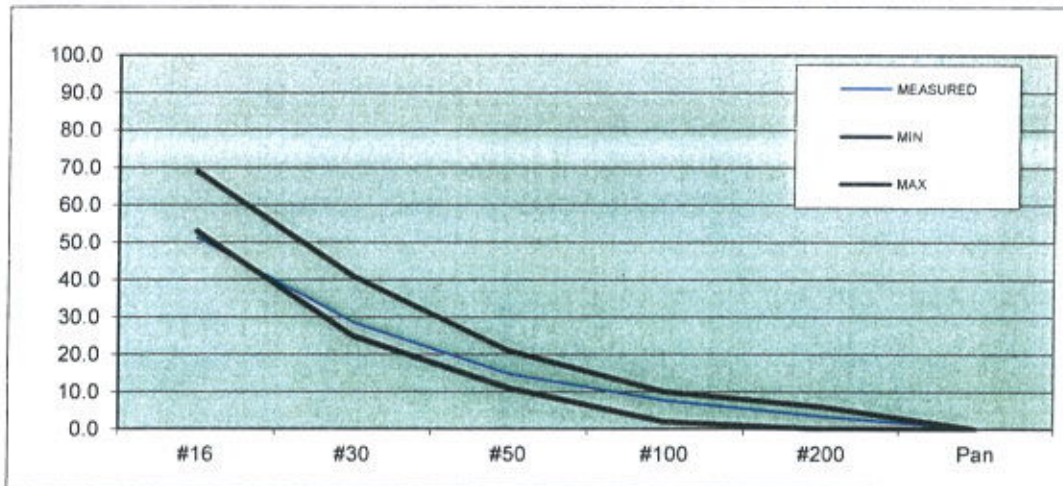
Sampler JJ

Date: 09/23/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Weight Analysis

Title 5

Trinity Frazier Park

Ticket # Raw Clay

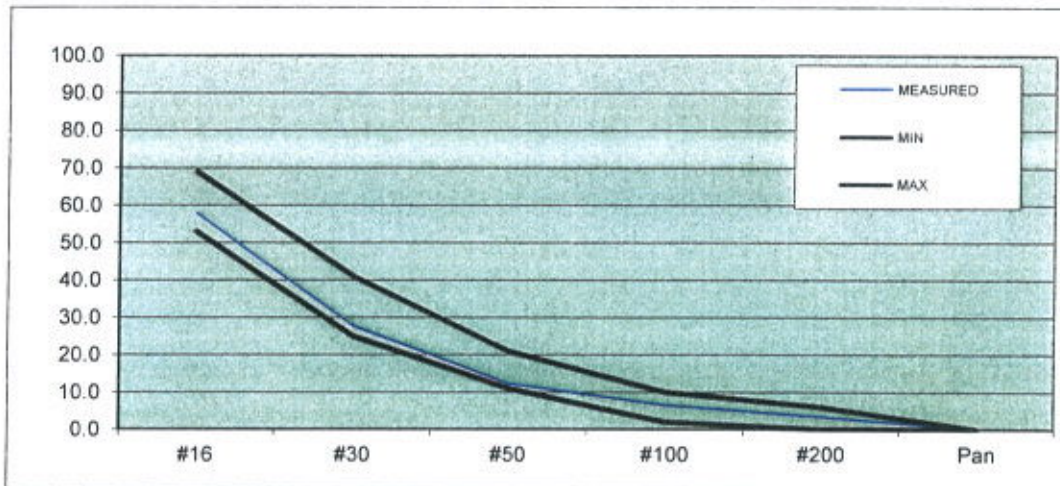
Sampler JJ

Date: 08/07/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 Wiegth Analysis Title 5

Trinity Frazier Park

Ticket # Raw Clay

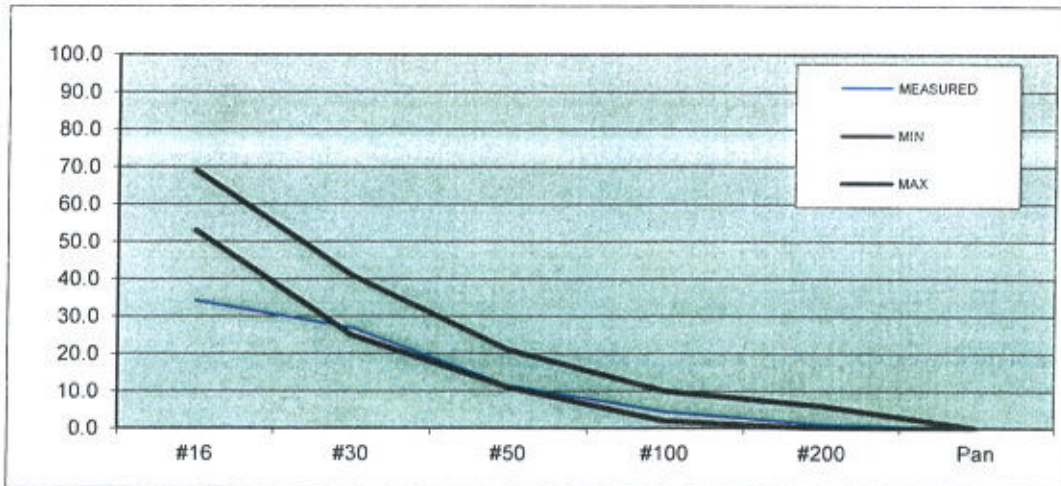
Sampler JJ

Date: 07/15/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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
 Wet Weight 481
 Dry Weight 410

Lab B/W 68 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

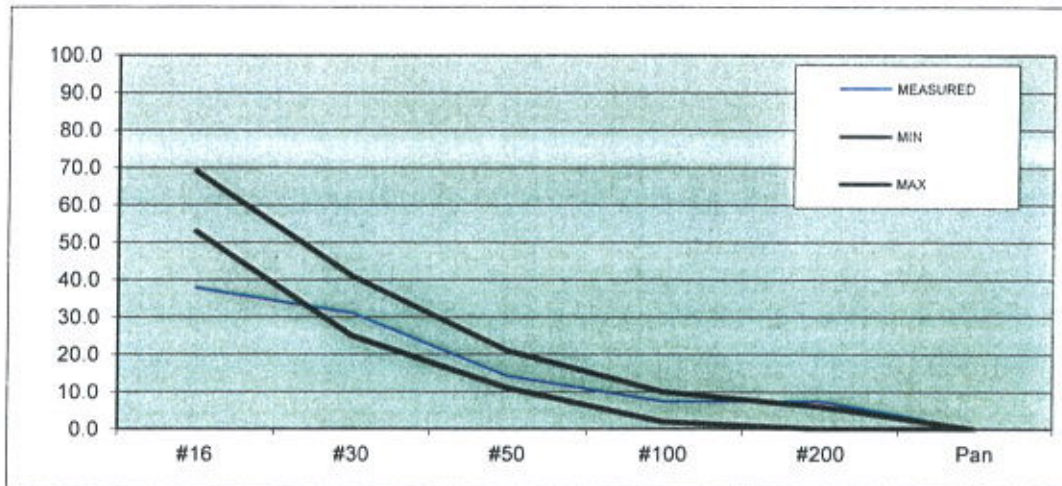
Sampler JJ

Date: 06/25/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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 19.60%
- 2 17.30%
- 3 14.50%
- 4 24.50%

% MOISTURE 19.6

Bucket Weigh 68
Wet Weight 506
Dry Weight 423

Lab B/W 68 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

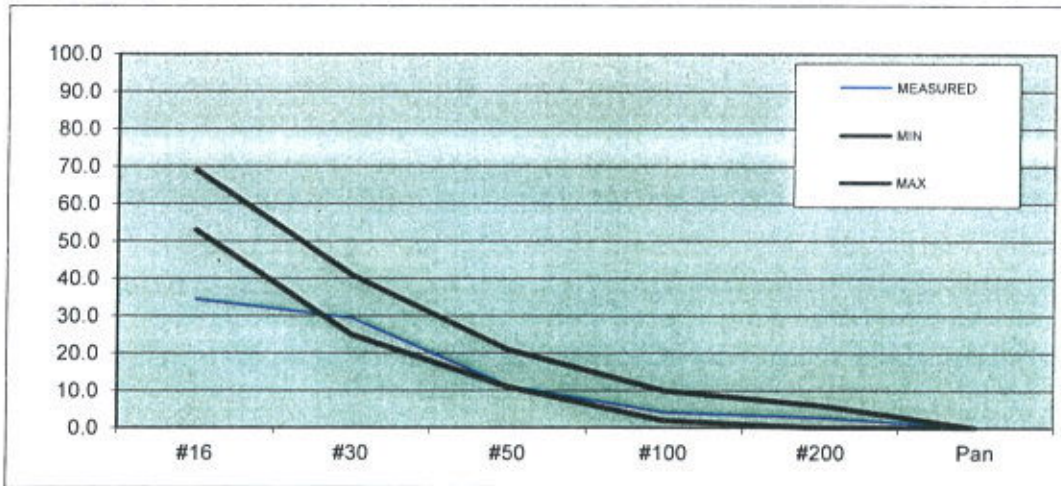
Sampler JJ

Date: 05/11/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	28.0	6.7	93.3	100.0	100.0
#8	162.0	38.8	61.2	96.0	90.0
#16	274.0	65.6	34.4	69.0	53.0
#30	295.0	70.6	29.4	41.0	25.0
#50	371.0	88.8	11.2	21.0	11.0
#100	401.0	95.9	4.1	10.0	2.0
#200	407.0	97.4	2.6	6.0	0.0
Pan	418.0	100.0	0.0	0.0	0.0

Sample Locations

- 1 20.30%
- 2 17.10%
- 3 15.00%
- 4 22.40%

% MOISTURE 20.3

Bucket Weigh 68
 Wet Weight 503
 Dry Weight 418

Lab B/W



Frazier Park

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

ASTM Light Weight Analysis Title 5

Trinity Frazier Park

Ticket # Raw Clay

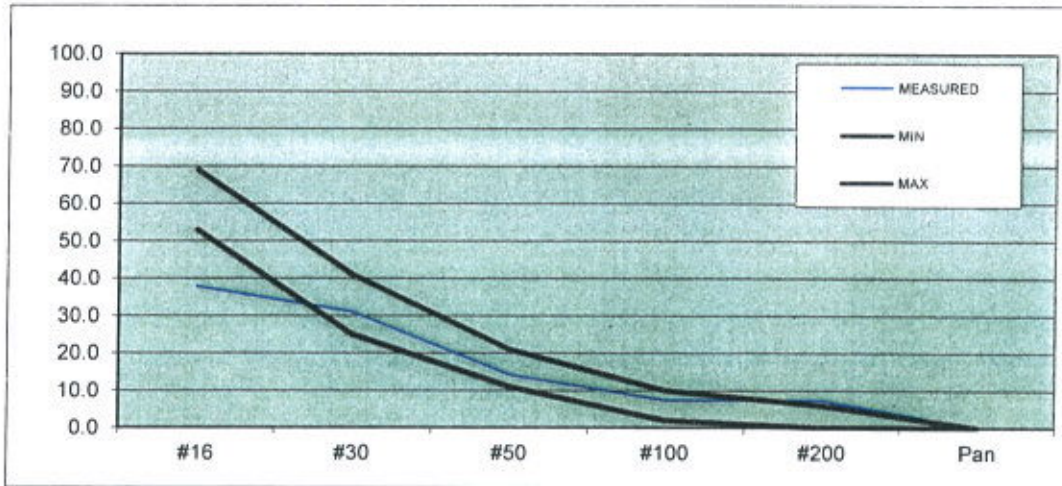
Sampler JJ

Date: 04/10/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	28.00%

% MOISTURE 18.2

Bucket Weigh 68
 Wet Weight 500
 Dry Weight 423

Lab B/W



Frazier Park

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

ASTM Light Weight Analysis

Title 5

Trinity Frazier Park

Ticket # Raw Clay

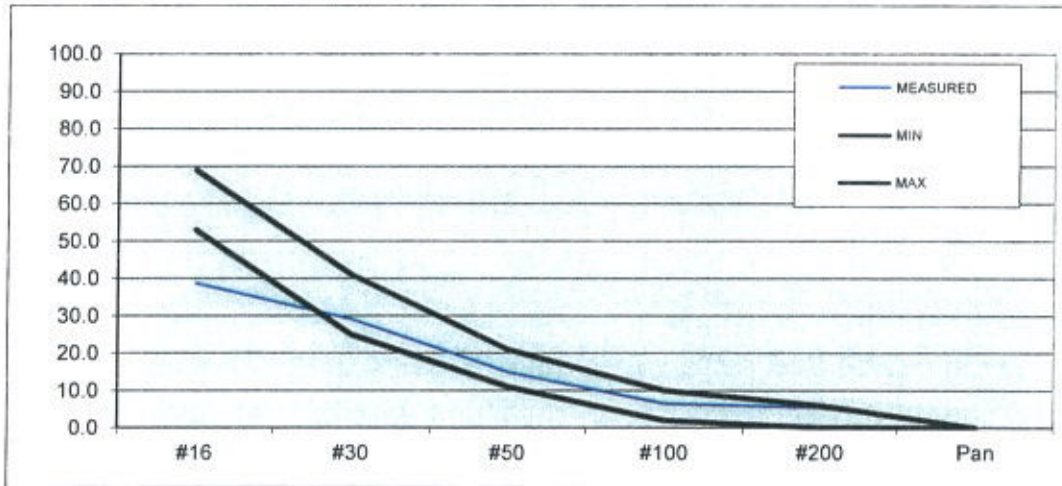
Sampler JJ

Date: 03/16/16

TIME: _____

Customer Trinity ES&C

Manager Steve Fernandes



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	26.0	6.1	93.9	100.0	100.0
#8	151.0	35.6	64.4	96.0	90.0
#16	260.0	61.3	38.7	69.0	53.0
#30	301.0	71.0	29.0	41.0	25.0
#50	361.0	85.1	14.9	21.0	11.0
#100	397.0	93.6	6.4	10.0	2.0
#200	401.0	94.6	5.4	6.0	0.0
Pan	424.0	100.0	0.0	0.0	0.0

Sample Locations

- 1 18.20%
- 2 16.10%
- 3 14.90%
- 4 23.50%

% MOISTURE 19.4

Bucket Weigh 68
 Wet Weight 505
 Dry Weight 423

Lab B/W 68 JJ



Frazier Park

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

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

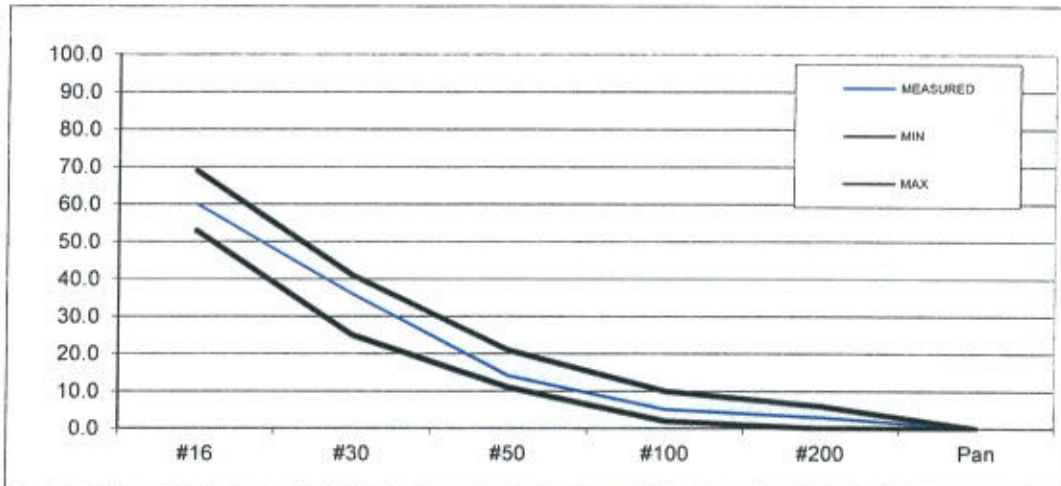
Ticket # _____

Sampler JJ

Date: 02/01/17

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	12.0	2.8	97.2	96.0	90.0
#16	172.0	39.9	60.1	69.0	53.0
#30	276.0	64.0	36.0	41.0	25.0
#50	370.0	85.8	14.2	21.0	11.0
#100	409.0	94.9	5.1	10.0	2.0
#200	418.0	97.0	3.0	6.0	0.0
Pan	431.0	100.0	0.0	0.0	0.0

% MOISTURE 15.1

Bucket Weigh	<u>54</u>	Lab B/W
Wet Weight	<u>496</u>	
Dry Weight	<u>431</u>	



Frazier Park

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

ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

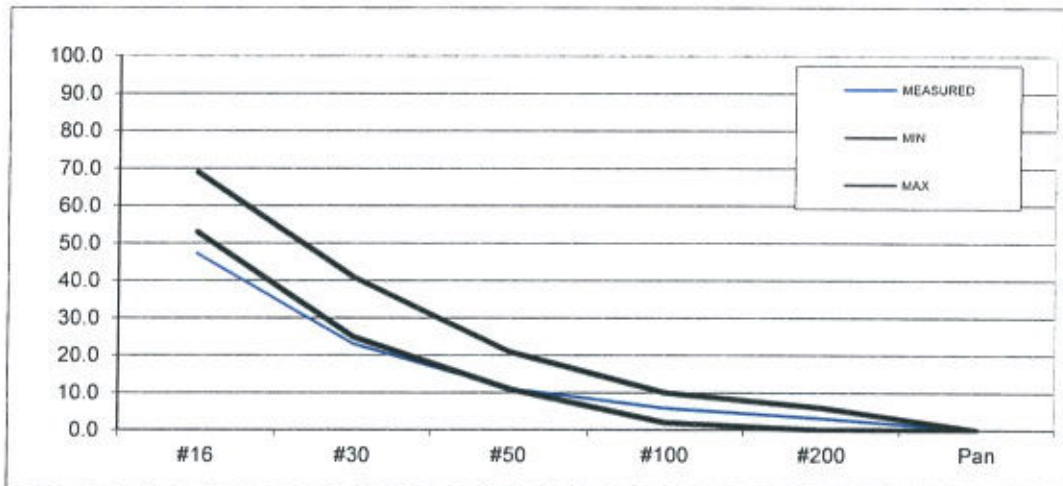
Ticket # _____

Sampler JJ

Date: 01/27/17

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	23.0	5.3	94.7	96.0	90.0
#16	231.0	52.7	47.3	69.0	53.0
#30	337.0	76.9	23.1	41.0	25.0
#50	389.0	88.8	11.2	21.0	11.0
#100	412.0	94.1	5.9	10.0	2.0
#200	424.0	96.8	3.2	6.0	0.0
Pan	438.0	100.0	0.0	0.0	0.0

% MOISTURE 15.3

Bucket Weigh 53.5

Lab B/W

Wet Weight 505

Dry Weight 438



Frazier Park

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

ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

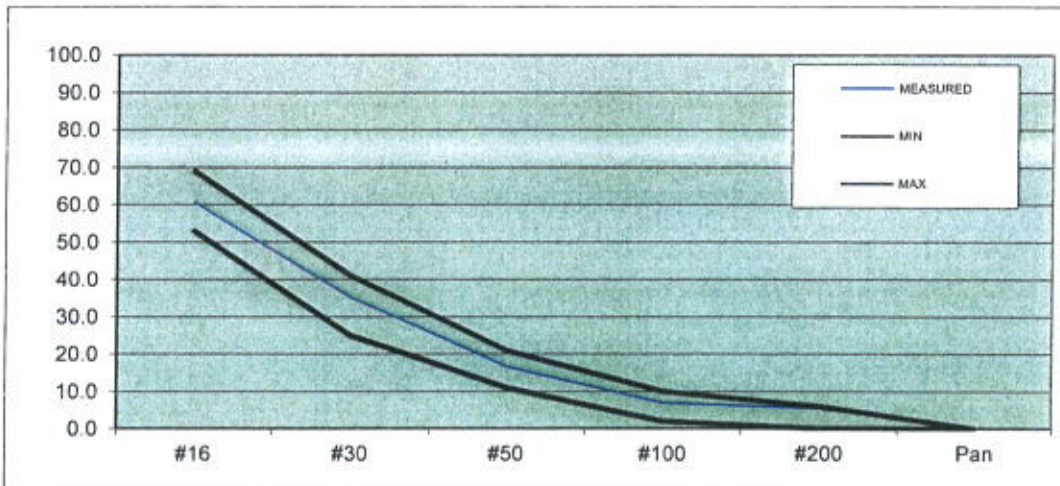
Ticket # _____

Sampler JJ

Date: 12/07/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	18.0	4.0	96.0	96.0	90.0
#16	176.0	39.5	60.5	69.0	53.0
#30	289.0	64.8	35.2	41.0	25.0
#50	372.0	83.4	16.6	21.0	11.0
#100	415.0	93.0	7.0	10.0	2.0
#200	422.0	94.6	5.4	6.0	0.0
Pan	446.0	100.0	0.0	0.0	0.0

% MOISTURE 13.0

Bucket Weigh 55
 Wet Weight 504
 Dry Weight 446

Lab B/W



Frazier Park

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ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

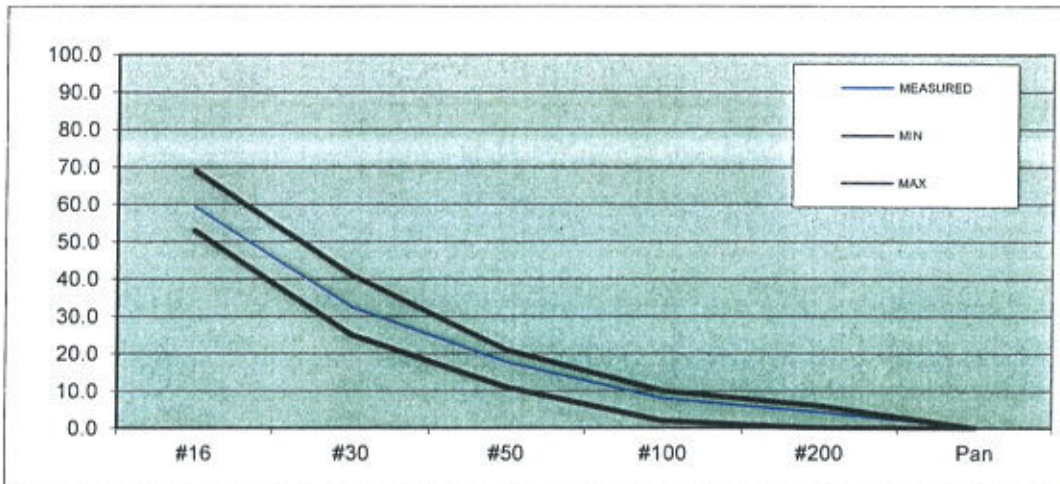
Ticket # _____

Sampler JJ

Date: 11/03/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	16.0	3.6	96.4	96.0	90.0
#16	180.0	40.7	59.3	69.0	53.0
#30	299.0	67.6	32.4	41.0	25.0
#50	364.0	82.4	17.6	21.0	11.0
#100	407.0	92.1	7.9	10.0	2.0
#200	423.0	95.7	4.3	6.0	0.0
Pan	442.0	100.0	0.0	0.0	0.0

% MOISTURE 13.6

Bucket Weigh 55
Wet Weight 502
Dry Weight 442

Lab B/W



Frazier Park

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ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

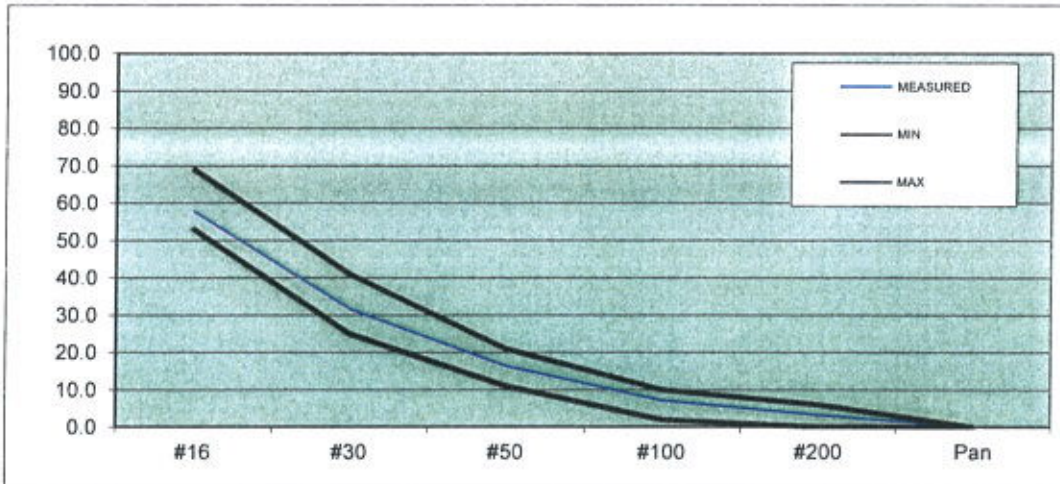
Ticket # _____

Sampler JJ

Date: 10/20/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	18.0	4.1	95.9	96.0	90.0
#16	186.0	42.3	57.7	69.0	53.0
#30	301.0	68.4	31.6	41.0	25.0
#50	368.0	83.6	16.4	21.0	11.0
#100	409.0	93.0	7.0	10.0	2.0
#200	426.0	96.8	3.2	6.0	0.0
Pan	440.0	100.0	0.0	0.0	0.0

% MOISTURE 14.1

Bucket Weigh 55
Wet Weight 502
Dry Weight 440

Lab B/W



Frazier Park

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ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

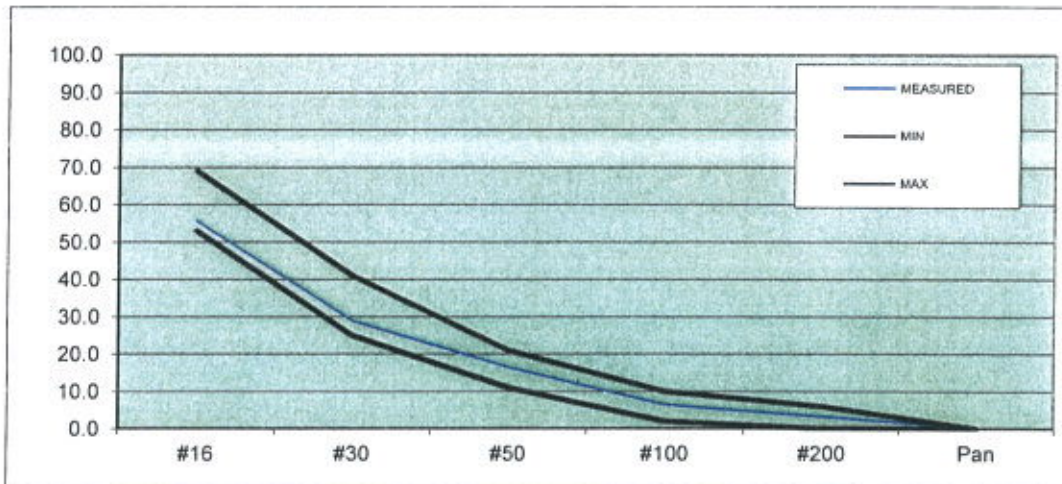
Ticket # _____

Sampler **JJ**

Date: **08/19/16**

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	22.0	5.0	95.0	96.0	90.0
#16	194.0	44.4	55.6	69.0	53.0
#30	311.0	71.2	28.8	41.0	25.0
#50	365.0	83.5	16.5	21.0	11.0
#100	409.0	93.6	6.4	10.0	2.0
#200	423.0	96.8	3.2	6.0	0.0
Pan	437.0	100.0	0.0	0.0	0.0

% MOISTURE **14.9**

Bucket Weigh **54.5**
 Wet Weight **502**
 Dry Weight **437**

Lab B/W



Frazier Park

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ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

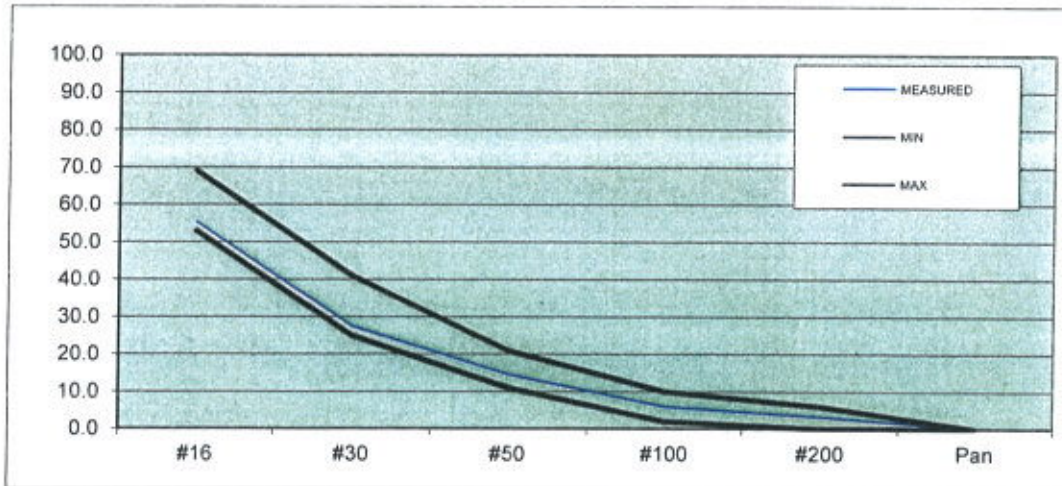
Ticket # _____

Sampler JJ

Date: 07/12/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	23.0	5.3	94.7	96.0	90.0
#16	196.0	44.7	55.3	69.0	53.0
#30	318.0	72.6	27.4	41.0	25.0
#50	374.0	85.4	14.6	21.0	11.0
#100	412.0	94.1	5.9	10.0	2.0
#200	424.0	96.8	3.2	6.0	0.0
Pan	438.0	100.0	0.0	0.0	0.0

% MOISTURE 14.2

Bucket Weigh 53.5
 Wet Weight 500
 Dry Weight 438

Lab B/W



Frazier Park

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ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

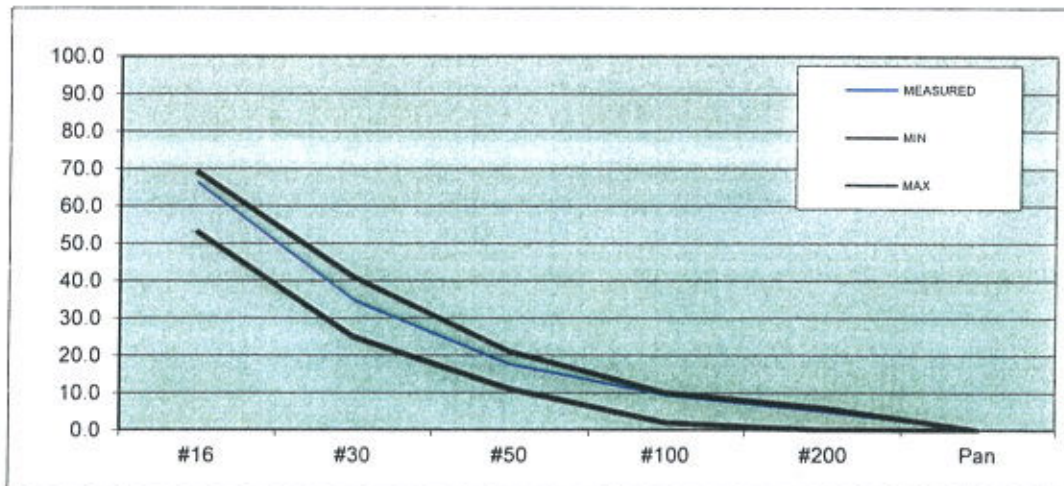
Ticket # _____

Sampler JJ

Date: 06/21/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	3.0	0.7	99.3	96.0	90.0
#16	156.0	33.8	66.2	69.0	53.0
#30	301.0	65.3	34.7	41.0	25.0
#50	380.0	82.4	17.6	21.0	11.0
#100	418.0	90.7	9.3	10.0	2.0
#200	438.0	95.0	5.0	6.0	0.0
Pan	461.0	100.0	0.0	0.0	0.0

% MOISTURE 10.2

Bucket Weigh 53.5
Wet Weight 508
Dry Weight 461

Lab B/W



Frazier Park

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ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

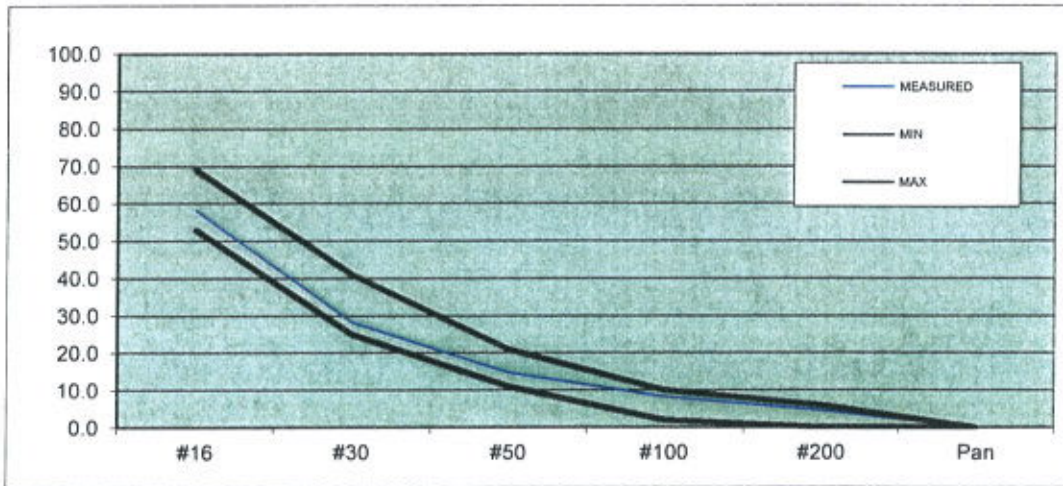
Ticket # _____

Sampler JJ

Date: 05/24/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	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	<u>54</u>	Lab B/W	<u>54</u>
Wet Weight	<u>676</u>		
Dry Weight	<u>600</u>	Oven Dry	<u>50.5</u>



Frazier Park

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

ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

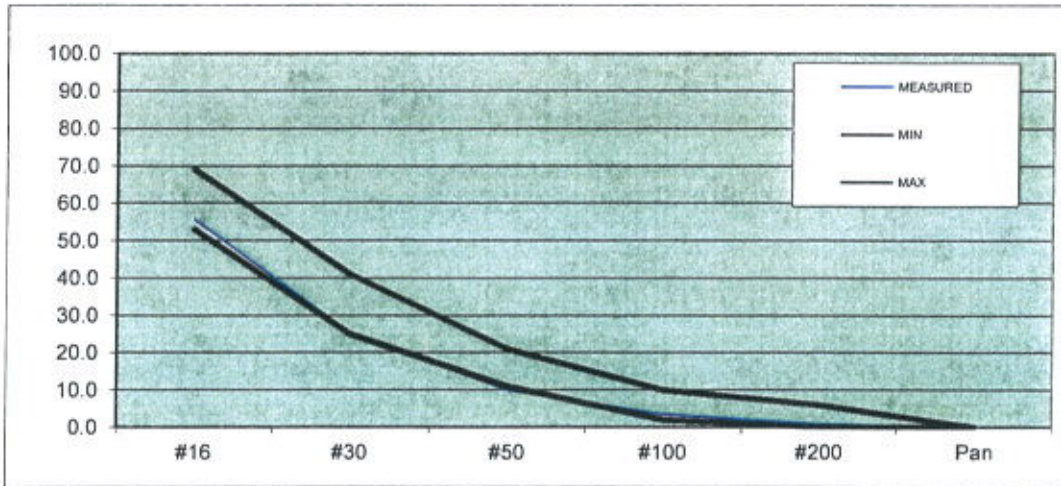
Ticket # _____

Sampler JJ

Date: 04/06/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	37.0	7.7	92.3	96.0	90.0
#16	214.0	44.4	55.6	69.0	53.0
#30	360.0	74.7	25.3	41.0	25.0
#50	434.0	90.0	10.0	21.0	11.0
#100	466.0	96.7	3.3	10.0	2.0
#200	478.0	99.2	0.8	6.0	0.0
Pan	482.0	100.0	0.0	0.0	0.0

% MOISTURE 10.2

Bucket Weigh 54.5

Wet Weight 531

Dry Weight 482

Oven Dry BW 46



Frazier Park

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

ASTM Light Weight Analysis

#1 Sand

Trinity Frazier Park

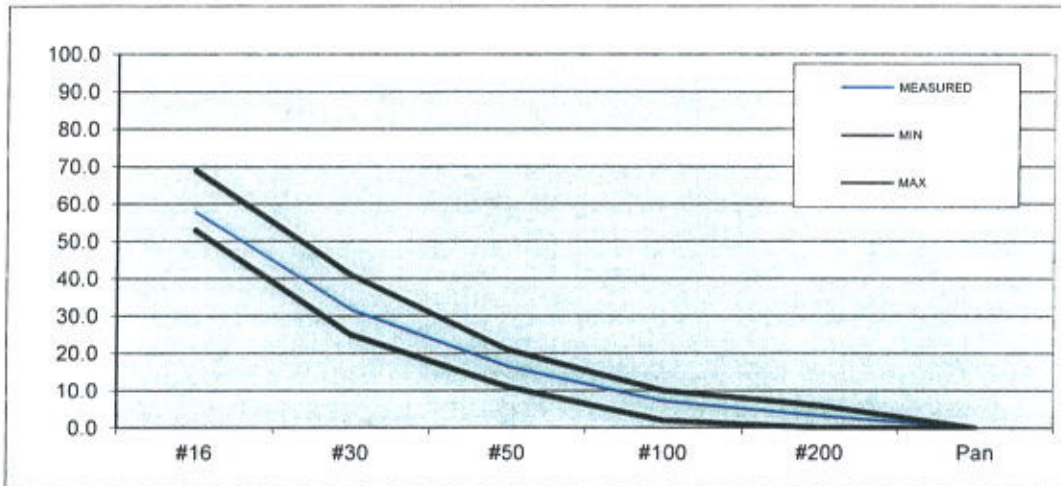
Ticket # _____

Sampler JJ

Date: 03/15/16

TIME: _____

Customer _____



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	18.0	4.1	95.9	96.0	90.0
#16	186.0	42.3	57.7	69.0	53.0
#30	301.0	68.4	31.6	41.0	25.0
#50	368.0	83.6	16.4	21.0	11.0
#100	409.0	93.0	7.0	10.0	2.0
#200	426.0	96.8	3.2	6.0	0.0
Pan	440.0	100.0	0.0	0.0	0.0

% MOISTURE 14.1

Bucket Weigh 55
 Wet Weight 502
 Dry Weight 440

Lab B/W



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

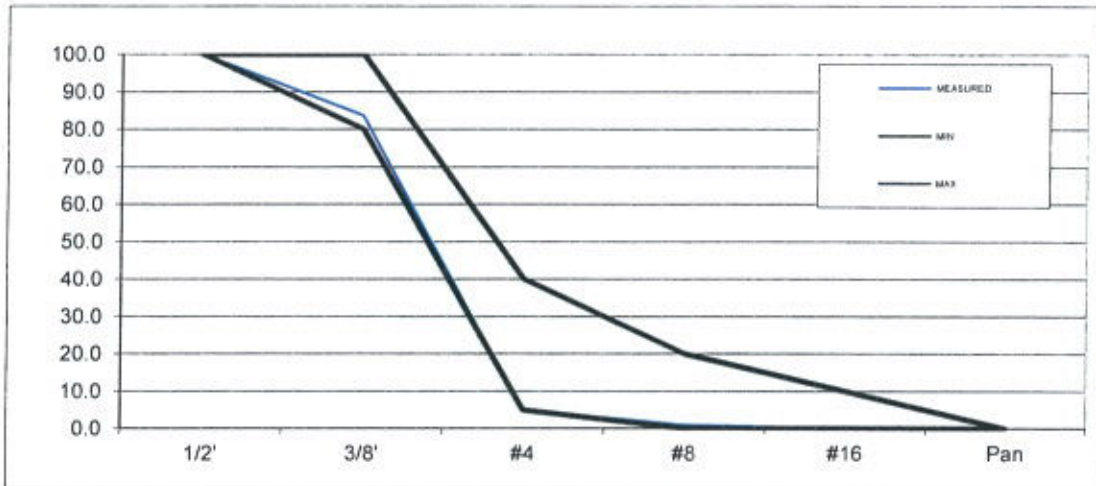
Ticket # Stacker

Sampler JJ

Date: 02/08/17

Time 7AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	89.0	16.3	83.7	80.0	100.0
#4	518.0	94.9	5.1	5.0	40.0
#8	541.0	99.1	0.9	0.0	20.0
#16	545.0	99.8	0.2	0.0	10.0
Pan	546.0	100.0	0.0	0.0	0.0

% MOISTURE	21.8				
Gross Weight	1666	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	47	Lab B/W			
Wet Weight	665				
Dry Weight	546				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

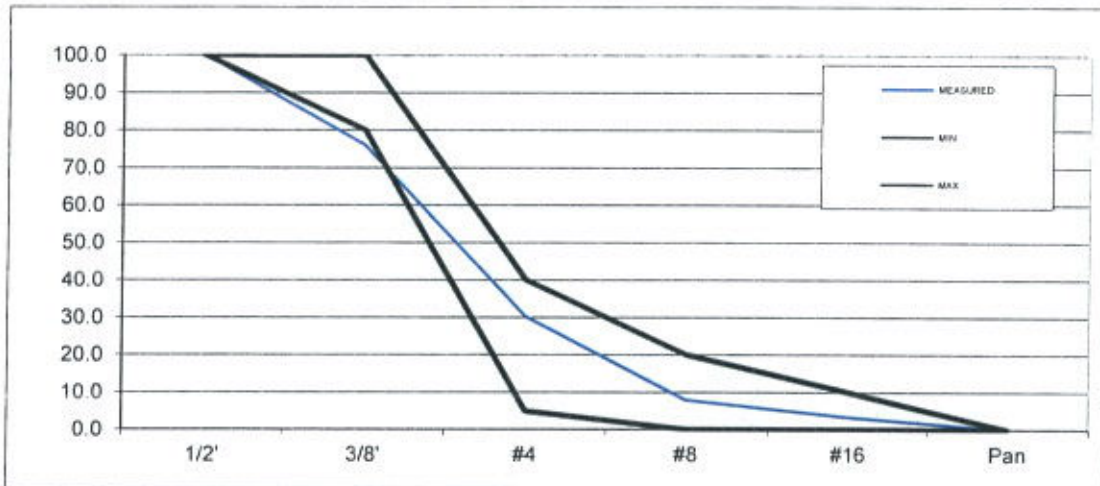
Ticket # Stacker

Sampler JJ

Date: 01/01/17

Time 5AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	131.0	24.1	75.9	80.0	100.0
#4	379.0	69.7	30.3	5.0	40.0
#8	501.0	92.1	7.9	0.0	20.0
#16	526.0	96.7	3.3	0.0	10.0
Pan	544.0	100.0	0.0	0.0	0.0

% MOISTURE	23.9				
Gross Weight	1670	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	55.5	Lab B/W			
Wet Weight	674				
Dry Weight	544				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

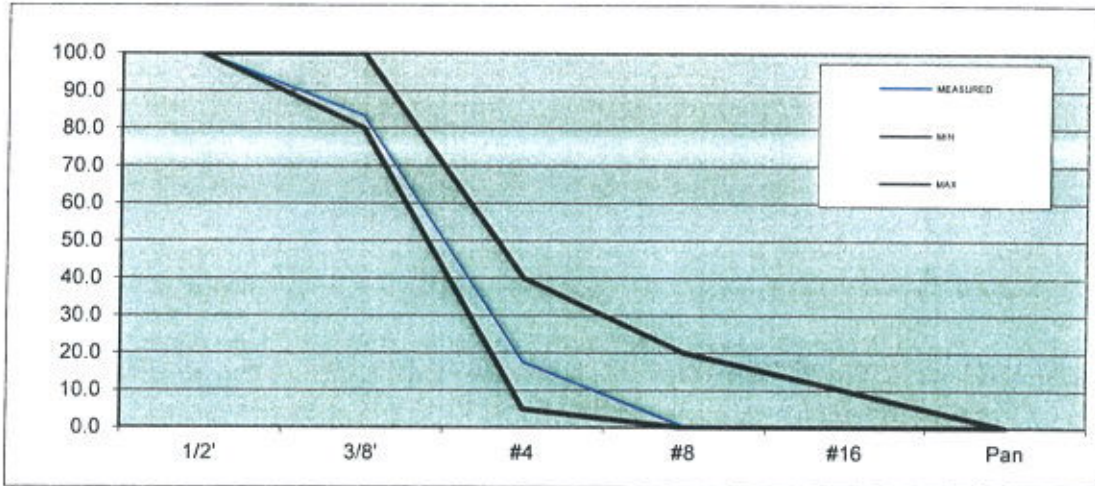
Ticket # Stacker

Sampler JJ

Date: 12/03/16

Time 5AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	101.0	16.7	83.3	80.0	100.0
#4	499.0	82.5	17.5	5.0	40.0
#8	603.0	99.7	0.3	0.0	20.0
#16	604.0	99.8	0.2	0.0	10.0
Pan	605.0	100.0	0.0	0.0	0.0

% MOISTURE **14.5**
 Gross Weight **1680**
 Bucket Weight **46**
 Wet Weight **693**
 Dry Weight **605**

Tare Weight **1395** Sp. Gravity **1.70**
 Lab B/W



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

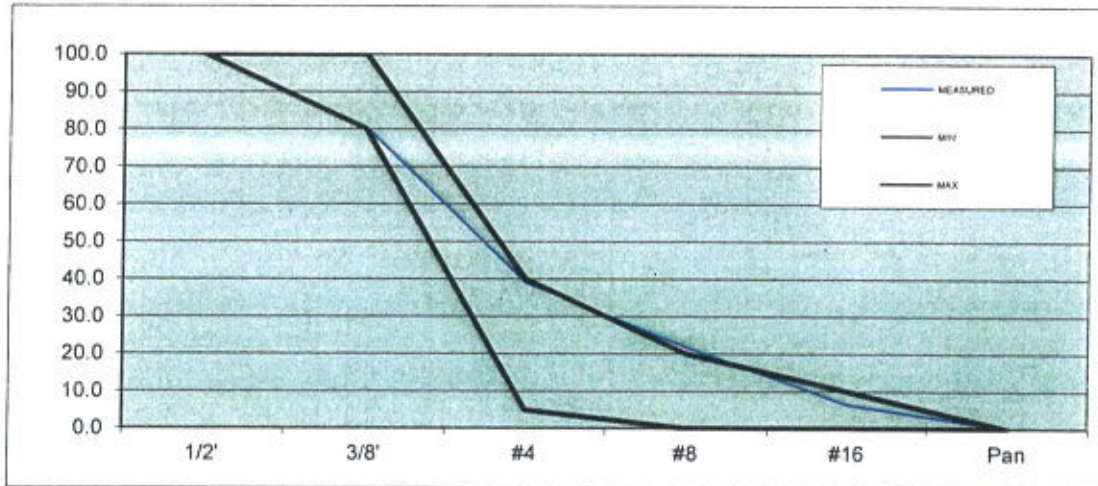
Ticket # Stacker

Sampler JJ

Date: 11/02/16

Time 9AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	116.0	19.5	80.5	80.0	100.0
#4	362.0	60.9	39.1	5.0	40.0
#8	465.0	78.3	21.7	0.0	20.0
#16	556.0	93.6	6.4	0.0	10.0
Pan	594.0	100.0	0.0	0.0	0.0

% MOISTURE	15.0	Tare Weight	1395	Sp. Gravity	1.69
Gross Weight	1674	Lab B/W			
Bucket Weight	52				
Wet Weight	683				
Dry Weight	594				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

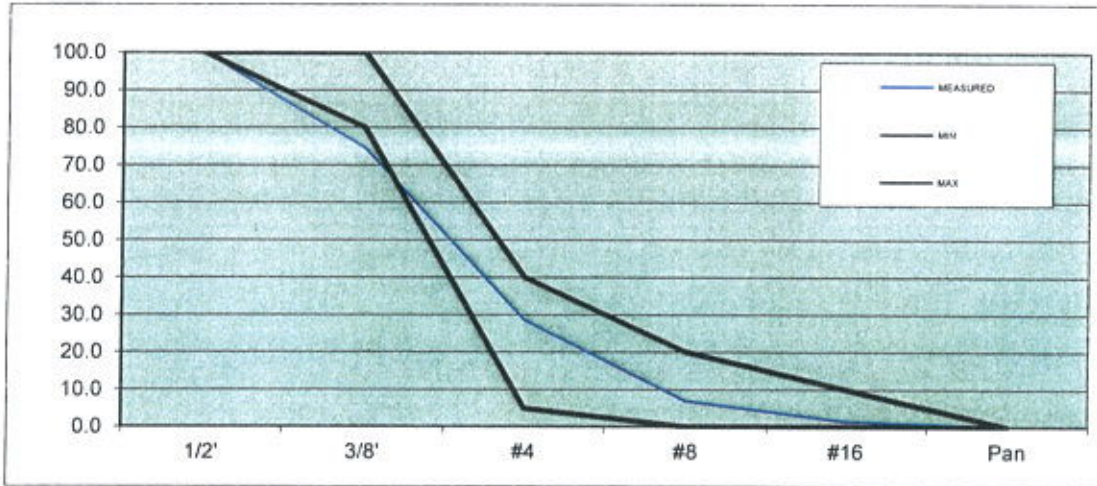
Ticket # Stacker

Sampler JJ

Date: 10/11/16

Time 9AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	148.0	25.3	74.7	80.0	100.0
#4	418.0	71.5	28.5	5.0	40.0
#8	545.0	93.2	6.8	0.0	20.0
#16	577.0	98.6	1.4	0.0	10.0
Pan	585.0	100.0	0.0	0.0	0.0

% MOISTURE **15.2**

Gross Weight **1670**

Tare Weight **1395**

Sp. Gravity **1.69**

Bucket Weight **52.5**

Lab B/W

Wet Weight **674**

Dry Weight **585**



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

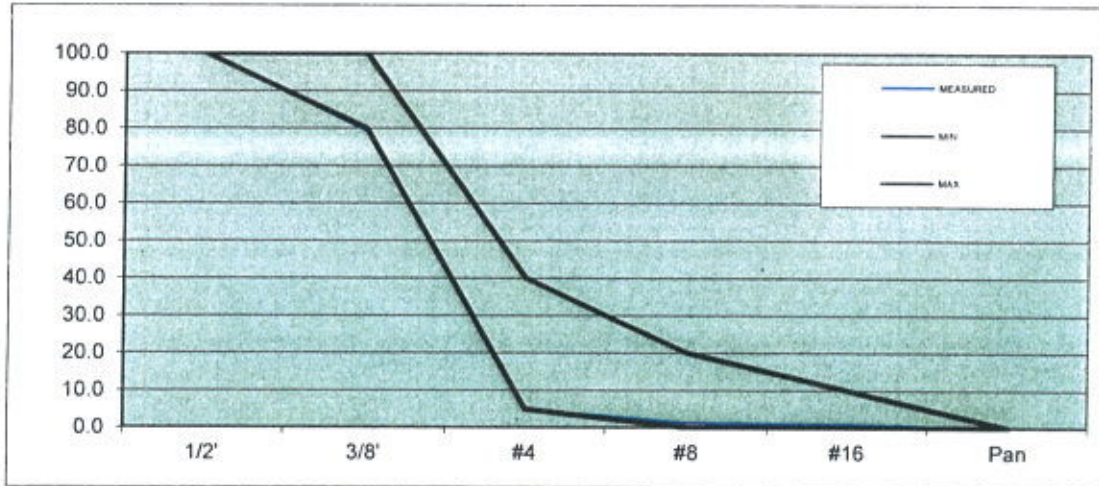
Ticket # Stacker

Sampler JJ

Date: 09/01/16

Time _____

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	118.0	20.8	79.2	80.0	100.0
#4	538.0	95.1	4.9	5.0	40.0
#8	559.0	98.8	1.2	0.0	20.0
#16	561.0	99.1	0.9	0.0	10.0
Pan	566.0	100.0	0.0	0.0	0.0

% MOISTURE	19.4	Tare Weight	1395	Sp. Gravity	1.69
Gross Weight	1670	Lab B/W			
Bucket Weight	53.5				
Wet Weight	676				
Dry Weight	566				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

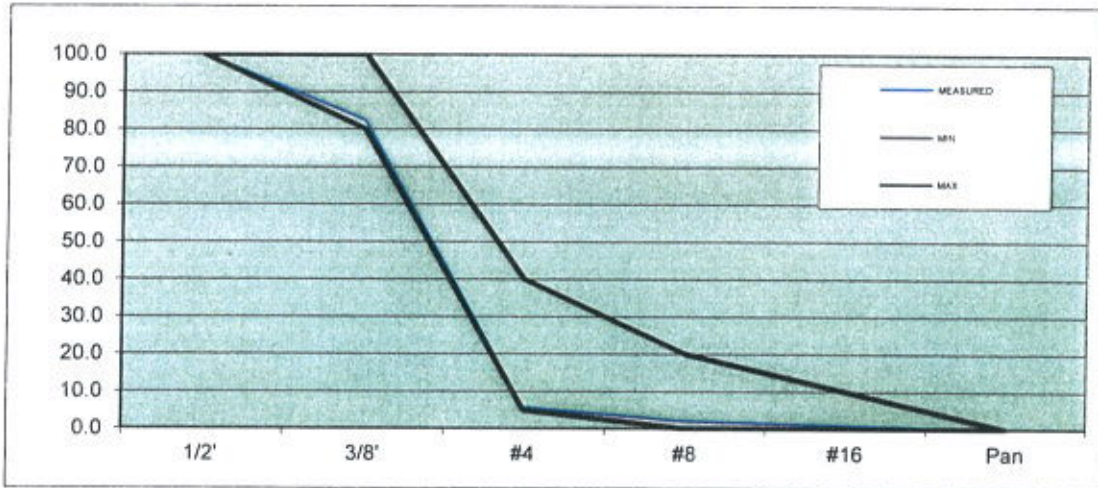
Ticket # Stacker

Sampler JJ

Date: 08/02/16

Time 5AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	97.0	17.6	82.4	80.0	100.0
#4	520.0	94.4	5.6	5.0	40.0
#8	540.0	98.0	2.0	0.0	20.0
#16	546.0	99.1	0.9	0.0	10.0
Pan	551.0	100.0	0.0	0.0	0.0

% MOISTURE **21.2**
Gross Weight **1667**

Tare Weight **1395** Sp. Gravity **1.69**

Bucket Weight **51**
Wet Weight **668**
Dry Weight **551**

Lab B/W



Frazier Park

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

ASTM Light Weight Analysis

Ticket # Stacker

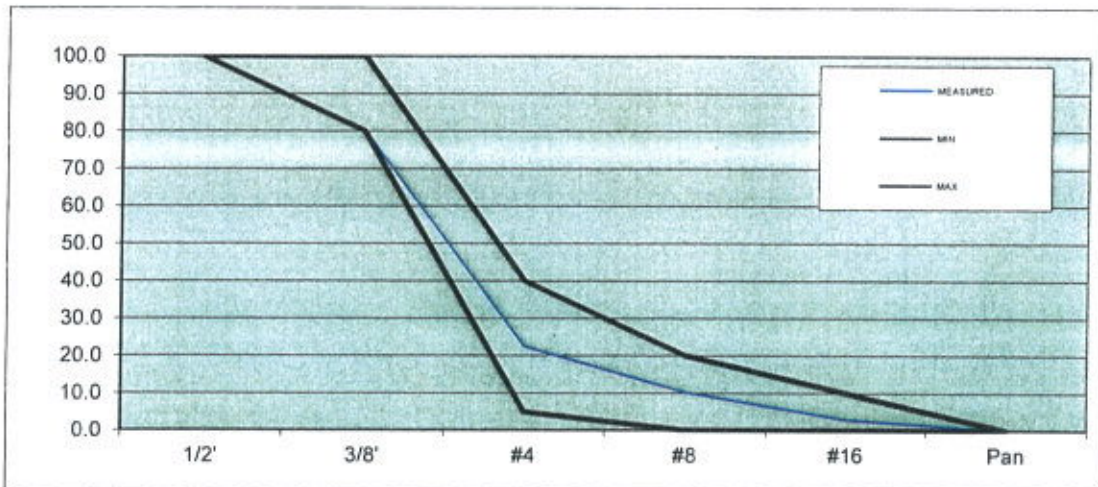
Date: 07/08/16

Customer Trinity

Trinity Frazier Park

Sampler JJ

Time 5AM



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	113.0	19.8	80.2	80.0	100.0
#4	444.0	77.6	22.4	5.0	40.0
#8	514.0	89.9	10.1	0.0	20.0
#16	556.0	97.2	2.8	0.0	10.0
Pan	572.0	100.0	0.0	0.0	0.0

% MOISTURE **17.8**

Gross Weight **1669**

Tare Weight **1395**

Sp. Gravity **1.69**

Bucket Weight **50.5**

Lab B/W

Wet Weight **674**

Dry Weight **572**



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

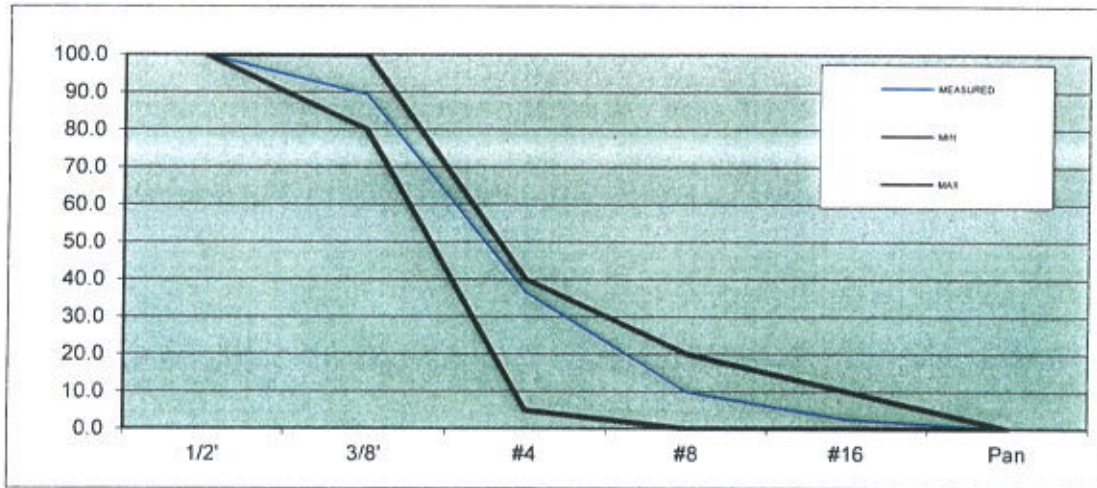
Ticket # Stacker

Sampler JJ

Date: 06/07/16

Time 5AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	64.0	10.7	89.3	80.0	100.0
#4	381.0	63.5	36.5	5.0	40.0
#8	541.0	90.2	9.8	0.0	20.0
#16	585.0	97.5	2.5	0.0	10.0
Pan	600.0	100.0	0.0	0.0	0.0

% MOISTURE **11.8**
 Gross Weight **1668**
 Bucket Weight **47**
 Wet Weight **671**
 Dry Weight **600**

Tare Weight **1395** Sp. Gravity **1.69**
 Lab B/W



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

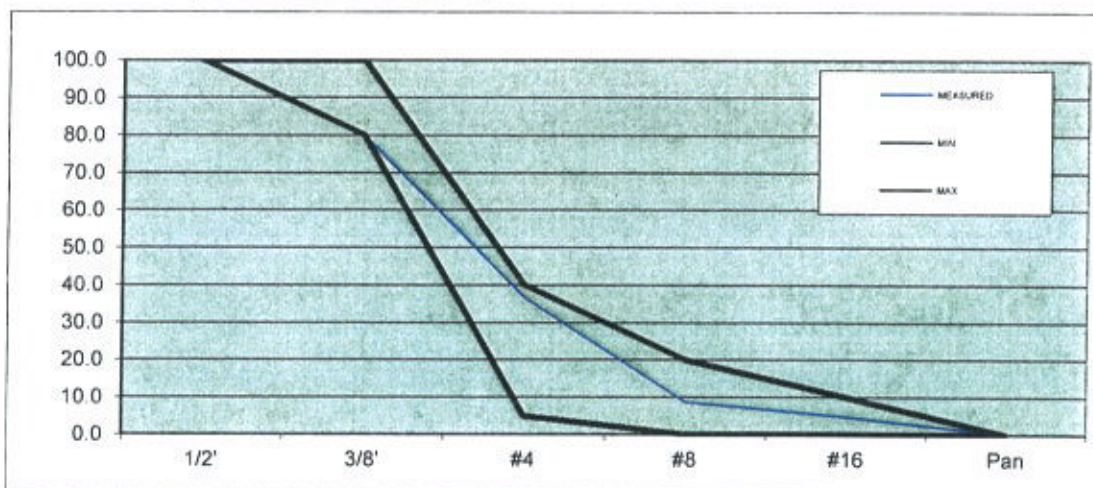
Ticket # Stacker

Sampler JJ

Date: 05/12/16

Time 11AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	115.0	20.1	79.9	80.0	100.0
#4	362.0	63.3	36.7	5.0	40.0
#8	522.0	91.3	8.7	0.0	20.0
#16	545.0	95.3	4.7	0.0	10.0
Pan	572.0	100.0	0.0	0.0	0.0

% MOISTURE	19.4				
Gross Weight	1674	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	52	Lab B/W			
Wet Weight	683				
Dry Weight	572				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

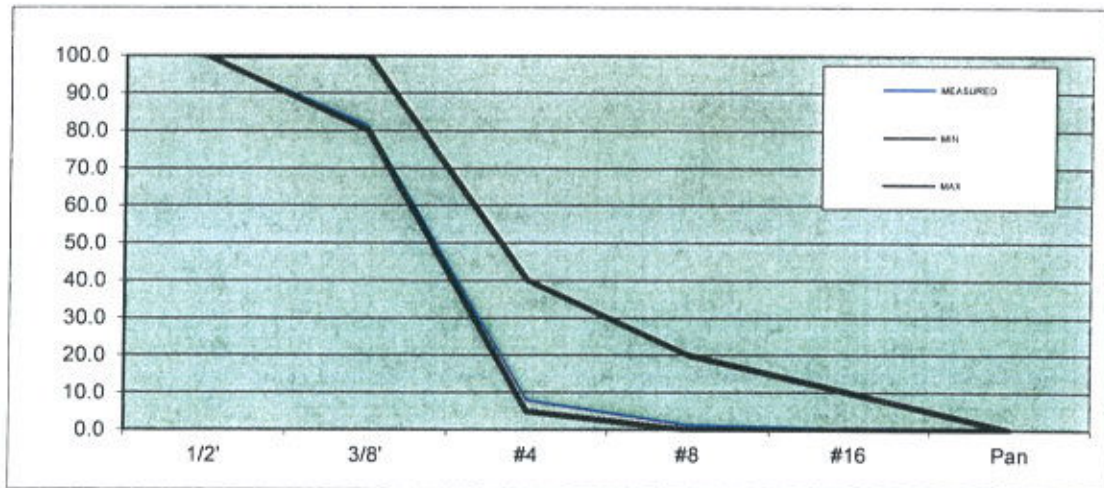
Ticket # Stacker

Sampler JJ

Date: 04/22/16

Time 9AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	99.0	18.6	81.4	80.0	100.0
#4	489.0	92.1	7.9	5.0	40.0
#8	524.0	98.7	1.3	0.0	20.0
#16	529.0	99.6	0.4	0.0	10.0
Pan	531.0	100.0	0.0	0.0	0.0

% MOISTURE	27.7				
Gross Weight	1673	Tare Weight	1395	Sp. Gravity	1.70
Bucket Weight	53.5	Lab B/W			
Wet Weight	678				
Dry Weight	531				



Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

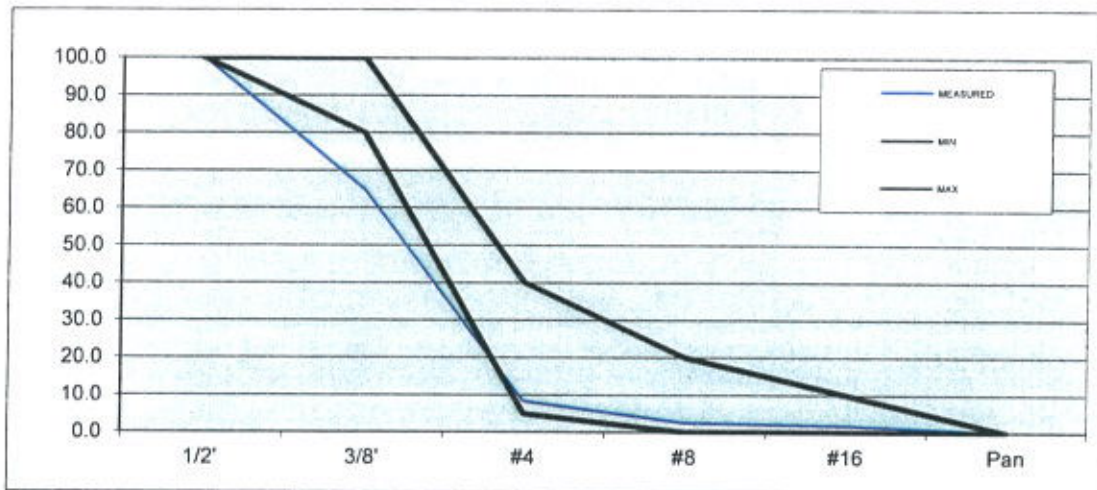
Ticket # Stacker

Sampler JJ

Date: 03/16/16

Time 5AM

Customer Trinity



Sieve	MEASURED	MEASURED	MEASURED	Target	
	WEIGHTS	C%R	C%P	MIN	MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	200.0	35.1	64.9	80.0	100.0
#4	523.0	91.8	8.2	5.0	40.0
#8	556.0	97.5	2.5	0.0	20.0
#16	560.0	98.2	1.8	0.0	10.0
Pan	570.0	100.0	0.0	0.0	0.0

% MOISTURE	18.6				
Gross Weight	1671	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	49	Lab B/W			
Wet Weight	676				
Dry Weight	570				

APPENDIX E

PO0036PC7

Amendment 50 to PO00036

Quarterly Dust Readings

Quarterly Formal Survey For Attachment 50
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
04/22/16	9:00am	#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			
04/22/16	10:30am	E14	Tower Screen		X	SF
04/22/16	10:30am	#29	Radial Stacker		X	SF
04/22/16	10:30am	#26	K-3 Blue Belt		X	SF
04/22/16	10:30am	#25	K-4 Blue Belt		X	SF
04/22/16	12:00pm	E1	Grizzly Housing		X	SF
04/22/16	1200pm	E2	Syntron #1		X	SF
04/22/16	11:10am	#15	Kiln Feed Tank Conveyor		X	SF
04/22/16	11:15am	#18	K-4 Discharge Conveyor		X	SF
04/22/16	11:15am	#19	K-3 Discharge Conveyor		X	SF
04/22/16	11:30am	#20	K-3 Feed Conveyor		X	SF
04/22/16	11:30am	#21	K-4 Feed Conveyor		X	SF
04/22/16	11:20am	#24	K-4 Incline Conveyor		X	SF
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
04/22/16	1:30pm	N/A	Sand Loop Building		X	SF
Not in use		Finish End	9 Tank Silo			
04/22/16	9:00am	E30	Vertical Impact Crusher		X	SF
04/22/16	1:45pm	Raw Material	Raw Material Processing Shed		X	SF
04/22/16	2:00pm	Kiln Area	K-3 & K-4 Baghouse Stack		X	SF
04/22/16	2:00pm	Kiln Area	Kiln Feed Tanks		X	SF
04/25/16	9:35am	#33	O'Brian Discharge		X	SF
		#49	#9 Tank Discharge			
4/2 5/16	9:35am	#48	Crusher Oversize Return		X	SF
04/25/16	9:40am	#40	Yogi Discharge 5/16		X	SF
04/22/16	12:00pm	E3	Syntron #2		X	SF
04/25/16	9:30am	#47	Symons Feed Belt		X	SF
Not in use		#46	Crusher Bypass			
04/25/16	9:30am	#45	Crusher Discharge		X	SF
04/25/16	9:40am	#42	5/16 Crossover Belt		X	SF
04/25/16	9:40am	#41	Yogi Discharge 1/4		X	SF
04/25/16	9:45am	#36	Overstrom Discharge		X	SF
04/22/16	2:00pm	Raw Plant	Kiln Dust Baghouse		X	SF
04/25/16	2:05pm	Kiln Deck	Lime System Baghouse		X	SF
04/25/16	2:05pm	Finish End	Finish End Baghouse		X	SF
04/25/16	1:35pm	E3	Syntron #3		X	SF
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scw Conveyor			
04/25/16	9:20am	E18	K-4 Vibrating Conveyor		X	SF
04/25/16	9:20am	E17	K-3 Vibrating Conveyor		X	SF
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			

x

Quarterly Formal Survey For Attachment 5C
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
06/29/16		#30	Bunker Incline Belt		X	Eric
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
06/29/16		E14	Tower Screen		X	Eric
06/29/16		#29	Radial Stacker		X	Eric
06/29/16		#26	K-3 Blue Belt		X	Eric
06/29/16		#25	K-4 Blue Belt		X	Eric
06/29/16		E1	Grizzly Housing		X	Eric
06/29/16		E2	Syntron #1		X	Eric
06/29/16		#15	Kiln Feed Tank Conveyor		X	Eric
06/29/16		#18	K-4 Discharge Conveyor		X	Eric
06/29/16		#19	K-3 Discharge Conveyor		X	Eric
06/29/16		#20	K-3 Feed Conveyor		X	Eric
06/29/16		#21	K-4 Feed Conveyor		X	Eric
06/29/16		#24	K-4 Incline Conveyor		X	Eric
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
06/29/16		N/A	Sand Loop Building		X	Eric
Not in use		Finish End	9 Tank Silo			
06/29/16		E30	Vertical Impact Crusher		X	Eric
06/29/16		Raw Material	Raw Material Processing Shed		X	Eric
06/29/16		Kiln Area	K-3 & K-4 Baghouse Stack		X	Eric
06/29/16		Kiln Area	Kiln Feed Tanks		X	Eric
06/29/16		#33	O'Brian Discharge		X	Eric
		#49	#9 Tank Discharge			
06/29/16		#48	Crusher Oversize Return		X	Eric
06/29/16		#40	Yogi Discharge 5/16		X	Eric
06/29/16		E3	Syntron #2		X	Eric
06/29/16		#47	Symons Feed Belt		X	Eric
Not in use		#46	Crusher Bypass			
06/29/16		#45	Crusher Discharge		X	Eric
06/29/16		#42	5/16 Crossover Belt		X	Eric
06/29/16		#41	Yogi Discharge 1/4		X	Eric
06/29/16		#36	Overstrom Discharge		X	Eric
06/29/16		Raw Plant	Kiln Dust Baghouse		X	Eric
06/29/16		Kiln Deck	Lime System Baghouse		X	Eric
06/29/16		Finish End	Finish End Baghouse		X	Eric
06/29/16		E3	Syntron #3		X	Eric
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scw Conveyor			
06/29/16		E18	K-4 Vibrating Conveyor		X	Eric
06/29/16		E17	K-3 Vibrating Conveyor		X	Eric
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			

Quarterly Formal Survey For Attachment 5C
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
09/12/16		#30	Bunker Incline Belt		X	Eric
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
09/12/16		E14	Tower Screen		X	Eric
09/12/16		#29	Radial Stacker		X	Eric
09/12/16		#26	K-3 Blue Belt		X	Eric
09/12/16		#25	K-4 Blue Belt		X	Eric
09/12/16		E1	Grizzly Housing		X	Eric
09/12/16		E2	Syntron #1		X	Eric
09/12/16		#15	Kiln Feed Tank Conveyor		X	Eric
09/12/16		#18	K-4 Discharge Conveyor		X	Eric
09/12/16		#19	K-3 Discharge Conveyor		X	Eric
09/12/16		#20	K-3 Feed Conveyor		X	Eric
09/12/16		#21	K-4 Feed Conveyor		X	Eric
09/12/16		#24	K-4 Incline Conveyor		X	Eric
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
09/12/16		N/A	Sand Loop Building		X	Eric
Not in use		Finish End	9 Tank Silo			
09/12/16		E30	Vertical Impact Crusher		X	Eric
09/12/16		Raw Material	Raw Material Processing Shed		X	Eric
09/12/16		Kiln Area	K-3 & K-4 Baghouse Stack		X	Eric
09/12/16		Kiln Area	Kiln Feed Tanks		X	Eric
09/12/16		#33	O'Brian Discharge		X	Eric
		#49	#9 Tank Discharge			
09/12/16		#48	Crusher Oversize Return		X	Eric
09/12/16		#40	Yogi Discharge 5/16		X	Eric
09/12/16		E3	Syntron #2		X	Eric
09/12/16		#47	Symons Feed Belt		X	Eric
Not in use		#46	Crusher Bypass			
09/12/16		#45	Crusher Discharge		X	Eric
09/12/16		#42	5/16 Crossover Belt		X	Eric
09/12/16		#41	Yogi Discharge 1/4		X	Eric
09/12/16		#36	Overstrom Discharge		X	Eric
09/12/16		Raw Plant	Kiln Dust Baghouse		X	Eric
09/12/16		Kiln Deck	Lime System Baghouse		X	Eric
09/12/16		Finish End	Finish End Baghouse		X	Eric
09/12/16		E3	Syntron #3		X	Eric
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scw Conveyor			
09/12/16		E18	K-4 Vibrating Conveyor		X	Eric
09/12/16		E17	K-3 Vibrating Conveyor		X	Eric
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			

Quarterly Formal Survey For Attachment 5C
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
11/28/16	10am	#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			
11/28/16	9:45am	E14	Tower Screen		X	SF
11/28/16	9:45am	#29	Radial Stacker		X	SF
11/28/16	9:45am	#26	K-3 Blue Belt		X	SF
11/28/16	9:45am	#25	K-4 Blue Belt		X	SF
11/28/16	10:05am	E1	Grizzly Housing		X	SF
11/28/16	10:05am	E2	Syntron #1		X	SF
11/28/16	10:35	#15	Kiln Feed Tank Conveyor		X	SF
11/28/16	10:35	#18	K-4 Discharge Conveyor		X	SF
11/28/16	10:35	#19	K-3 Discharge Conveyor		X	SF
11/28/16	10:20am	#20	K-3 Feed Conveyor		X	SF
11/28/16	10:20am	#21	K-4 Feed Conveyor		X	SF
11/28/16	10:20am	#24	K-4 Incline Conveyor		X	SF
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
11/28/16	10:00am	N/A	Sand Loop Building		X	SF
Not in use		Finish End	9 Tank Silo			
11/28/16	10:00am	E30	Vertical Impact Crusher		X	SF
11/28/16	12:05pm	Raw Material	Raw Material Processing Shed		X	SF
11/28/16	12:25pm	Kiln Area	K-3 & K-4 Baghouse Stack		X	SF
11/28/16	12:25am	Kiln Area	Kiln Feed Tanks		X	SF
11/28/16	10:10am	#33	O'Brian Discharge		X	SF
Not in use		#49	#9 Tank Discharge			
11/28/16	10:05am	#48	Crusher Oversize Return		X	SF
11/28/16	10:10am	#40	Yogi Discharge 5/16		X	SF
11/28/16	10:05am	E3	Syntron #2		X	SF
11/28/16	10:00am	#47	Symons Feed Belt		X	SF
Not in use		#46	Crusher Bypass			
11/28/16	10:00am	#45	Crusher Discharge		X	SF
11/28/16	10:10am	#42	5/16 Crossover Belt		X	SF
11/28/16	10:10am	#41	Yogi Discharge 1/4		X	SF
11/28/16	10:10am	#36	Overstrom Discharge		X	SF
11/28/16	12:30pm	Raw Plant	Kiln Dust Baghouse		X	SF
11/28/16	10:25am	Kiln Deck	Lime System Baghouse		X	SF
11/28/16	10:25am	Finish End	Finish End Baghouse		X	SF
11/28/16	10:00am	E3	Syntron #3		X	SF
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scew Conveyor			
11/28/16	9:45am	E18	K-4 Vibrating Conveyor		X	SF
11/28/16	9:45am	E17	K-3 Vibrating Conveyor		X	SF
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			

Quarterly Formal Survey For Attachment 5C
Part 70 Permit # 0036

4rd 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
01/09/17	9:30am	#30	Bunker Incline Belt		X	SF
01/09/17	9am	E18	K-4 Vibrating Conveyor		X	SF
01/09/17	9am	E17	K-3 Vibrating Conveyor		X	SF
01/09/17	9am	E14	Tower Screen		X	SF
01/09/17	9am	#29	Radial Stacker		X	SF
01/09/17	9am	#26	K-3 Blue Belt		X	SF
01/09/17	9am	#25	K-4 Blue Belt		X	SF
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
01/30/17	11:20am	#15	Kiln Feed Tank Conveyor		X	SF
01/30/17	11:25am	#18	K-4 Discharge Conveyor		X	SF
01/30/17	11:30am	#19	K-3 Discharge Conveyor		X	SF
01/30/17	11:35am	#20	K-3 Feed Conveyor		X	SF
01/30/17	11:35am	#21	K-4 Feed Conveyor		X	SF
01/30/17	11:35am	#24	K-4 Incline Conveyor		X	SF
01/30/17	11:20am	Kiln Area	K-3 & K-4 Baghouse Stack		X	SF
01/30/17	11:20am	Kiln Area	Kiln Feed Tanks		X	SF
01/30/17	11:20am	Raw Plant	Kiln Dust Baghouse		X	SF
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
01/30/17	11:20am	Raw Material	Raw Material Processing Shed		X	SF
02/03/17	11:30am	E1	Grizzly Housing		X	SF
02/03/17	11:30am	E2	Syntron #1		X	SF
02/03/17	11:30am	E3	Syntron #2		X	SF
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scw Conveyor			
01/09/17	9:30am	N/A	Sand Loop Building		X	SF
01/09/17	9:30am	E30	Vertical Impact Crusher		X	SF
01/09/17	9:50am	#48	Crusher Oversize Return		X	SF
01/09/17	9:30am	#45	Crusher Discharge		X	SF
01/09/17	9:30am	E3	Syntron #3		X	SF
01/09/17	9:30am	#47	Symons Feed Belt		X	SF
01/09/17	9:40am	#33	O'Brian Discharge		X	SF
01/09/17	9:40am	#40	Yogi Discharge 5/16		X	SF
01/09/17	9:40am	#41	Yogi Discharge 1/4		X	SF
01/09/17	9:40am	#42	5/16 Crossover Belt		X	SF
01/09/17	9:50am	#36	Overstrom Discharge		X	SF
01/09/17	10:00am	Kiln Deck	Lime System Baghouse		X	SF
01/09/17	10:00am	Finish End	Finish End Baghouse		X	SF
Not in use		Finish End	9 Tank Silo			
Not in use		#49	#9 Tank Discharge			
Not in use		#52	Hopper Stacker			
Not in use		#39	9 Tank Discharge			
Not in use		#46	Crusher Bypass			

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 4/6/16 Time 8am

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 Conversion Belt Dust Suppression System:

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

Operating Malfunction
 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 Donker

Signature [Signature]

Date 4/6/16



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 4/20/16 Time 8am

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 Coersion Belt Dust Suppresion System:

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

Operating Malfunction
 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 Duncker

Signature [Handwritten Signature]

Date 4/20/16



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 5/11/16 Time 9:30

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 Coersion Belt Dust Suppression System:

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

Operating Malfunction
 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 [Signature]

Date 5/11/16



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 5/25/16 Time 8am

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 Conversion Belt Dust Suppression System:

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

Operating Malfunction
 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 5/25/16



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 6/8/16 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 has been removed

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

Sand Conversion Belt Dust Suppression System:

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

Operating Malfunction
 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 Duncker

Signature [Signature]

Date 6/8/16



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 6/22/16 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 Conversion Belt Dust Suppression System:

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

Operating Malfunction

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 Dunken

Signature [Signature]

Date 6/22/16



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 7/6/16 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;

Out of service, equipment has been removed

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

Sand Conversion Belt Dust Suppression System:

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

Operating Malfunction

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 DeLo

Signature [Signature]

Date 7/6/16



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 7/20/16 Time 9:30 am

Kiln Cooler(s)/ water sprays equipment

Inspect for proper operations:

	<u>K-3</u>	<u>K-4</u>
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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 Coersion Belt Dust Suppresion System:

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

	<u>Operating</u>	<u>MalfunTION</u>
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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 Dinker

Signature [Handwritten Signature]

Date 7/20/16



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 8/3/16 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 Coverion 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 Decker

Signature [Signature]

Date 8/3/16



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 8/17/16 Time 10a

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Operating Malfunction

YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [Handwritten Signature]

Date 8/17/16



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 9/1/16 Time 9am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Operating Malfunction
 YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunbar

Signature [Signature]

Date 9/1/16



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 9/14/16 Time 8:30

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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

Power Screen Dust Suppression System:

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

Operating Malfunction
 YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Duncker

Signature [Handwritten Signature]

Date 9/14/16



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 9/28/16 Time 8am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Operating Malfunction

YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunken

Signature [Handwritten Signature]

Date 9/28/16



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 10/12/16 Time 8:30am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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

Power Screen Dust Suppression System:

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

Operating Malfunction

YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) David Dunken

Signature [Signature]

Date 10/12/16



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 10/26/16 Time 8:30

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Operating Malfunction
 YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Donker

Signature [Handwritten Signature]

Date 10/26/16



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 11/9/16 Time 9am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Operating

Malfunction

YES NO

YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician

Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [Handwritten Signature]

Date 11/9/16



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

11/22/16

Time

10:00

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppresion System

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)

Power Screen Dust Suppresion System:

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

Operating

Malfunction

YES

NO

YES

NO

Note: If yes give explanation and action taken;

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

Maint. Technician

Signature/Date: _____

Inspected By (print name)

Daniel Duncker

Signature

[Handwritten Signature]

Date

11/22/16



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 12-7-16 Time 8:30am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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

Power Screen Dust Suppression System:

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

Operating Malfunction
 YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dinker

Signature [Signature]

Date _____



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 12-21-16 Time 9am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

Inspect for proper operations:

	<u>K-3</u>	<u>K-4</u>
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> 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

Power Screen Dust Suppression System:

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

	<u>Operating</u>	<u>Malfunction</u>
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [Handwritten Signature]

Date 12-21-16



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 1/4/2017 Time 9am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [Handwritten Signature]

Date 1/4/17



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 1/18/2017 Time 9am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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

Power Screen Dust Suppression System:

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

Operating Malfunction
 YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [Signature]

Date 1/18/2017



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 2-2-17 Time 9:30

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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

Power Screen Dust Suppression System:

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

Operating Malfunction

YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) David Dunker

Signature [Signature]

Date 2-2-17



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 2-15-17 Time 10a

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Operating Malfunction

YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunker

Signature [Signature]

Date 2-15-17



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 3-8-17 Time 9am

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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

Power Screen Dust Suppression System:

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

Operating Malfunction

YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Dunks

Signature [Signature]

Date 3-8-17



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 3-22-17 Time 9a

Kiln Cooler(s)/ water sprays equipment/Sand Conversion Belt Dust Suppression System

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)

Power Screen Dust Suppression System:

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

Operating Malfunction
 YES NO YES NO

Note: If yes give explanation and action taken;

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

Maint. Technician
Signature/Date: _____

Inspected By (print name) Daniel Duker

Signature [Signature]

Date 3-22-17

APPENDIX G

PO0036PC2 Condition 3

CEMS Log

LWFP LLC DBA Trinity Frazier Park
Permit Number 0036

Break down Periods
GM-31 SO2 Break down summary
April 1, 2016 - March 31, 2017

Device	Date	Period	Comment
GM-32	5/23/2016	4:00pm	Excess emissions on Kin #3 CEMS error in reporting
GM-32	9/10/2016	4:00am	K-3 Excess emissions on Kin #3 Operator error
			K-4 Excess emissions on Kin #4 Operator error
GM-32	1/12/2017	4:00pm	K-3 excess emissions due to weather conditions wet and snowing conditions plugging the lime chute.

Data_Periods_16/17



Support Log Report

Generated: May 08, 2017

Trinity Industries Inc. (TXI Pacific Custom Materials)
 Support log entries from 05/10/2016 to 06/03/2016

Project summary

Project Type	Comprehensive Contract
Project Status	Inactive
Expiry Date	June 03, 2016
Prepaid Hours	8.5
Hours Spent	3
Billable Hours	0
Balance	8.5

	Date	Entered By	Description	Hours Spent	Cost Code	Hours Billed
1	05/23/2016	Trevor Lawrence	<p>Contact: Eric Fletcher</p> <p>Issue: CEMServer won't launch on primary.</p> <p>Resolution: removed / reinstalled the license module. License file was deleted after reinstall so I had a new license generated and then CEMServer launched.</p> <p>After CEMServer launched, Kiln 3 flowsic was not communicating. Did some troubleshooting and it appeared to be a problem with the analyzer. Had them power cycle the analyzer and then it started communicating again.</p> <p>Status: Closed</p>	3.00	0%	0.00

Pacific Custom Materials
Permit Number 0036
PO0036PC3 Condition 2

PM Emissions
Summary sheet
April 1, 2015 - March 31, 2016

Device	Date	Period	Comment
Visuals	April	2015	Visuals were done no dust seen.
Visuals	May	2015	Visuals were done no dust seen.
Visuals	June	2015	Visuals were done no dust seen.
Visuals	July	2015	Visuals were done no dust seen.
Visuals	August	2015	Visuals were done no dust seen.
Visuals	September	2015	Visuals were done no dust seen.
Visuals	October	2015	Visuals were done no dust seen.
Visuals	November	2015	Visuals were done no dust seen.
Visuals	December	2015	Visuals were done no dust seen.
Visuals	January	2016	Visuals were done no dust seen.
Visuals	February	2016	Visuals were done no dust seen.
Visuals	March	2016	Visuals were done no dust seen.

Missing_Data_Periods_15/16

**Trinity ES&C
PO0036PC4 Condition 2**

Summary of Stand-By Feeder Usage

April 1, 2016 – March 31, 2017

Month	Syntron Primary Feed (hrs)	Stand-By Feed (hrs)
April 2016	685.40	30
May 2016	633	16
June 2016	614.8	0
July 2016	613.6	9
August 2016	635.7	0
September 2016	612.28	0
October 2016	671.42	0
November 2016	678.22	0
December 2016	622.59	0
January 2017	592.13	110
February 2017	335.78	166
March 2017	519.9	5