Arcosa lightweight LWFP LLC

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

May 14, 2020

Mr. Ed Swede
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, California 93003

RE: Title V Annual Compliance Report

Dear: Mr. Swede:

Enclosed is the 2019 to 2020 Title V Annual Compliance Certification with supporting documentation.

Certification by Responsible Official
I certify that based on a belief formed after reasonable inquiry, the statements and information in this Annual Compliance Certification are true, accurate and complete.

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

Sincerely,

Enclosure
Donald Cuddy
Production Manager

Donald Cuddy

Richard Stemen
Environmental/QC Technical Lead

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
SIGNATURE COVER FORM

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

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

Confidentiality

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

Certification by Responsible Official

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

Signature and Title of Responsible Official:	Date:
Donald Landeta Title: Production Manager	05-14-2020

Time Period Covered by Compliance Certification

04 / 01 / 2020 (MM/DD/YY) to 03 / 31 / 2020 (MM/DD/YY)

Ventura County
Air Pollution
Control District

RESPONSIBLE OFFICIAL'S CERTIFICATION FORM

Ventura County APCD Rule 33.9 requires that "*any document, including reports, schedule of compliance progress reports and compliance certifications, required by a Part 70 permit shall be certified by a responsible official.*" Therefore, this form shall be signed by the company's Responsible Official and submitted with all such reports, including, but not limited to semi-annual reports, deviation and emergency reports and any periodic reports required by a Part 70 permit. However, when submitting your Annual Compliance Certifications, please use the form titled Annual Compliance Certification Signature Cover Form.

Semi-annual reports, deviations and emergency reports and any periodic reports required by your Part 70 permit should be submitted to:

Ed Swede
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

Certification by Responsible Official

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

Signature and Title of Responsible Official: Signature: Donald Loudon Title: Production Manager	Date: 05-14-2020

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - NOx Compliance Testing (Three Run Average)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
2.98 lb/hr	6.9 lb/hr	TRC Source Testing	October 11,2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 NOx (RATA Results - ppmvd , Dry)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
6.5% Relative Accuracy	Equal to or lesser than 20% of the Reference Method	TRC Source Testing	October 9,2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - NOx (RATA Results -lb/hr)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
5.7% Relative Accuracy	Equal to or lesser than 20% of the Reference Method	TRC Source Testing	October 9,2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - CO Compliance Testing (Three Run Average)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
39.6 ppmvd (Dry)	2000 ppmvd	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - CO (RATA Results - ppmvd - Average of Test)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.7% Relative Accuracy	RA Equal to or lesser than 10% of applicable standard	TRC Source Testing	October 9,2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - CO (Rata Results - lbs/hr)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
5.5% Relative Accuracy	RA Equal to or lesser than 10% of applicable standard	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - PM10 Compliance Testing (Three Run Average) - Rule #52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0171 gr/dscf	0.0677 gr/dscf		October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - PM10 Compliance Testing (Three Run Average) - Rule 53			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
2.49 lbs/hr	12.54 lbs/hr	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - PM Compliance Testing (Three Run Average) - PO00036PC3			PM
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.19 lbs/ton process weight	0.2748 lbs/ton process weight	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - Stack Flow (RATA Results in DSTFM)			Stack Flow
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
2.0% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 11, 2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 Compliance Testing (Three Run Average)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
4.46 lbs/hr	7.61 lbs/hr	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 (RATA Results - ppmvd, Dry)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
10.2% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 9, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 (Rata Results - lbs/hr)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
8.6% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 (RATA Results, ppmvd Dry @ 15% O2)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
12.3% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - SO2 Compliance Testing - SO2 Compliance Testing - Rul32 54.B.1.a.10 (ppmvd @15% O2)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
24.9 ppmvd	--------	TRC Source Testing	October 11, 2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - O2 (Rata Results)			O2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
-0.1 Relative Accuracy	RA Equal to or lesser than 10% of applicable standard	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 NOx @ 3% O2 Compliance Testing (Three Run Average)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
69.1 ppmvd	-----	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #3 - NOx (RATA Results - ppmvd @ 3%O2 Dry)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
10.2 % Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 NOx Compliance Testing (Three Run Average)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
2.19 lb/hr	5.6 lb/hr	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 NOx RATA Results - ppmvd, Dry)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
11% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - NOx (RATA Results - lb/hr)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
5.3% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - NOx (Compliance Testing @ 3% O2 - Three Run Average)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
61.4 ppmvd	-----	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - NOx (RATA Results @ 3% O2 - ppmvd)			NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
15.1% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - CO (Compliance Testing - Three Run Average)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
35.5 ppmvd	2,000 ppmvd	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 CO (RATA RESULTS - ppmvd)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.6% Relative Accuracy	RA Equal to or lesser than 10% of applicable standard	TRC Source Testing	October 09, 2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - CO (RATA Results - lb/hr)			CO
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
10% Relative Accuracy	RA Equal to or lesser than 10% of applicable standard	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - PM10 (Compliance Testing - Three Run Average) - Rule 52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0198 gr/dscf	0.0673 gr/dscf	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - PM10 Compliance Testing (Three RunAverage) - Rule 53			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
2.96 lb/hr	12.78 lb/hr	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - PM Compliance Testing - (Three Run Average) - PO00036PC3			PM
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.21 lb/tons process weight	0.2748 lb/ton process weight	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - Stack Flow (RATA Results - dscfm			Stack Flow
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
7.7% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #4 -SO2 Compliance Testing (ThreeRun Average)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
4.15 lb/hr	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 (RATA Results - ppmvd, Dry)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
10.4% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 (RATA Results - lb/hr)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
6.2% Relative Accuracy	RA Equal to or lesser than 20% of The Reference Method	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 (RATA Results - ppmvd, Dry @ 15% O2)			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
8.7% Relative Accuracy	RA Equal to or lesser than 1% Difference for % O2	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln #4 - SO2 Compliance Testing -Rule 54.B.1.10 (ppmvd @ 15% O2			SO2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
26.7 ppmvd	-----	TRC Source Testing	October 11, 2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description:			B. Pollutant:
Kiln #4 -O2 - Compliance Testing (Three Run Average)			O2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
15.62% ppmvd	-----	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Kiln#4 - O2 (RATA Results)			O2
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.2% Relative Accuracy	RA Equal to or lesser than 1% Difference for % O2	TRC Source Testing	October 11, 2019

A. Emission Unit Description:			B. Pollutant:
Raw Plant Baghouse - PM10 Compliance Testing (Three Run Average) -Rule -52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0046gr/dscf	0.0859 gr/dscf	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Raw Plant Baghouse - PM10 Compliance Testing (Three Run Average) - Rule 53			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.36 lb/hr	15.71 lb/hr	TRC Source Testing	October 09, 2019

A. Emission Unit Description:			B. Pollutant:
Finished End Baghouse - PM10 Compliance Testing (Three Run Average) -Rule 52			PM10
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
0.0005 gr/dscf	0.1545 gr/dscf	TRC Source Testing	October 09, 2019

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Emission Unit Description: Finished End Baghouse - PM10 Compliance Testing (Three Run Average) -Rule 53			B. Pollutant: PM10
C. Measured Emission Rate: 0.01 lb/hr	D. Limited Emission Rate: 14.8 lb/hr	E. Specific Source Test or Monitoring Record Citation: TRC Source Testing	F. Test Date: October 09, 2019

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

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

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

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

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC2 - Condition #7	D. Frequency of monitoring: Annual RATA - see attached Source Test Form
B. Description: Annual RATA Testing for CEMS.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable ARB Method 100 and ARB Method 2
C. Method of monitoring: - Annual Realative Accuracy Testing of CO and NOx CEMS using ARB Method 100 for NOx and CO and Stack Oxygen. ARB Method 2 for exhaust flow.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #1	D. Frequency of monitoring: Production records Attached in Appendix A
B. Description: Production limit parameters and particulate matter emission limits for Kilns #3 and #4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Daily, monthly and 12 month rolling average records of lightweight aggregate	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #2	D. Frequency of monitoring: Annual - see attached Source test Form
B. Description: Particulate matter emission limits for Kiln #3 and #4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 5
C. Method of monitoring: - Particulate emissions are limited to 0.2748 lbs/hr of lightweight aggreged process for each Kiln #3 and #4. Testing by CARB Method 5 to be done once every 12 months.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC5 - Condition #5	D. Frequency of monitoring: Fuel delivery data is attached in Appendix C
B. Description: Rule 26 - Extrusion Process using Diesel #2 or Bio-diesel certification of fuels shall not exceed 15 ppm sulfur and supplier or site specific testing per delivery.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Sulfur testing data of supplier testing data provided in ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC5 - Condition #6	D. Frequency of monitoring: Fuel delivery data is attached in Appendix C
B. Description: Extrusion Proces using Bio-diesel supplier certification that deliveries meet ASTM D-6751.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Recordkeeping of deliveries. - Submittal of data in ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC6 - Condition #2 and #3	D. Frequency of monitoring: Quarterly analysis attached in Appendix D
B. Description: Finish product moisture content shall be maintained at greater than or equal to 3% Moisture by weight. The K 3 and K4 Martin Finished Product screw Conveyors (E36 and E37) and the K4 Finished Product Bucket Elevators (E8 and E9).	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Quarterly sampling done on belts #25 and #26 using current version of ASTM Test Method C566. - Quarterly Reports - ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment 50 -Rule 50 - Opacity - Condition #1	D. Frequency of monitoring: ACC and per requirement shownbelow in Conditions #2,#3, and #4
B. Description: General Applicable Requirements No discharge from any single source air contaminats for period aggregating more than 3 minutes that are darker in shade than Ringelmann Chart - #1 a published by US Bureau of Mines, unless by Rule 50.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Routine, periodic surveillance and visual inspections with details per Conditions #2, #3 and #4. - ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 50- Rule 50 -Opacity -Condition #2	D. Frequency of monitoring: ACC and periodic routine surveys and inspections.
B. Description: General Applicable Requirement Periodic survey and visual inspections. A record shall be kept of visable emissions other than uncombined water greater than 0% for periods agregating more than 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 hours, permittee shall provide verbal notification to the District within the subsquent 24 hours.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Periodic surveys and visible inspection. - Records maintained and submitted to the District upon request. - ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 50 -Rule 50 - Opacity - Condition #3	D. Frequency of monitoring: Visible Emissions in Appendix E
B. Description: General Applicable Requirements On a quarterly basis, verify all emission units are complying with Rule 50.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Opacity via EPA Method 9
C. Method of monitoring: - Submit quarterly compliance verifications with ACC and shall include a formal survey identifying the date, time, emision unit and verification that there are no visible emission other than combined water greater than 0% or 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 perios aggregating 3 minutes in any 1 hour equalivalent to 20% opacity and greater as determined by a person certifed to read EPA Method 9 or other approved method.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment 50 - Rule 50 -Condition #4	D. Frequency of monitoring: ACC and per FDRP
B. Description: General Applicable Requirements Maintain and implement a Fugitive Dust Reduction Plan (FDRP), The FDRP shall include: the use of dust suppressant or chemical stabilizer, use of paved area and rumble gates or gravel pads to minimize track-out and use of posted speed limits on unpaved haul roads.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Records and reports shall be maintained at the facility (and submitted to the District upon Request). - Monitoring, recordkeeping and report required by FDRP. Fugitive Dust Plan was prepared June 6, 2006. Records are maintained for application of water and routine plant surveillance.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 54.B.1-36 - Rule 54.B.1	D. Frequency of monitoring: ACC
B. Description: General Applicable Requirements Per Rule 54, for units excluding Klins #3 and #4, that combust gas or liquid fuels. No discharges of sulfur compounds (that are liquid or gas at the standard conditions in excess of 300 ppm by volume from any combustion operation.	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 & 16 A & B, as applicable.
C. Method of monitoring: - ACC - O2 Monitoring requirement is to be installed under Rule 54.B.1, installed by September 2014. So that sulfur dioxide concentrations can be reported on a dry basis, corrected to 15%. - Exhaust gas oxygen content.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): I H. *Excursions, exceedances, or other non-compliance? (Y or N): Y *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 54.B.2 - Sulfur Compounds	D. Frequency of monitoring: ACC
B. Description: Ganeral Applicable Requirements Rule 54.B.2-36 - Sulfur compounds from combustion units excluding Klins #3 and #4. Sulfur compounds that are gas or liquid at standard condition shall show no results in average ground or sea level concentrations at or beyond the property line in excess of 0.25 ppmv averaged over a 1 hour period or 0.04 ppmv averaged over any 24 hour period. Upon district request, determine ground or sea level concentrations of SO2.	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 & 16 A & B, as applicable
C. Method of monitoring: - ACC - This facility is not required to maintain fuel or exhaust analysis to demonstrate compliance with Rule 54.B.2, because there are no additional procees combustion emission units and Kilns #3 and #4 are excluded.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #3	D. Frequency of monitoring: Recordkeeping
B. Description: Particulate and opacity emission limits for Kilns #3 and #4. Monitoring and recordkeeping requirements are contained in condition 5, specifically 5.b.3. (Rule 26)	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Kilns are to have baghouses installed and no visible emmissions from Kiln: hoods, seals and exhaust ducts (upstream of the baghouses). Records are to be kept on-site per other conditionsof permit.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #4	D. Frequency of monitoring: Baghouse Leak detector montored during affected source operating hours
B. Description: -Opacity limits for Kilns #3 and #4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 9 and Method 22
C. Method of monitoring: - Permittee shall not discharge into the atmosphere more than 3 minutes in one hour darker than Ringelman #1 or 20% opacity. - The baghouse is equipped with CPM 750 baghouse leak detector with alarm indicator when the alarm indicates a leak, the Kiln operator will do a visible inspection for dust. (EPA Method 9 and EPA Method 22)	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #5	D. Frequency of monitoring: Daily, monthly and quarterly logs
B. Description: Kilns #3 and #4 baghouse inspection observations and recordkeeping	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Daily, weekly and quarterly baghouse inspection logs.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #6	D. Frequency of monitoring: Annual - Stack Test per Condition #2
B. Description: Particulate Matter per VCAPCD Rules 52 and 53 for Kilns #3 and #4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Annual Stack Testing CARB Method 5. Permit PO00036PC3 Condition #2 is deemed more stringent then Rules 52 and 53 so monitoring requirements for this rule meets this requirement (as stated by PO00036PC3 Condition #7).	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #7	D. Frequency of monitoring: Annual - see attached Source Test Form
B. Description: Particulate Matter limits per VCAPCD Rules 52and 53 for Kiln #3 and #4. Compliance Evaluation Condition. Stating with Permit PO00036PC3 - Condition #2 is more stringent than Rules 52 and 53, so than Condition #2 shall be used for Rules 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 PO00036PC3 - Condition #2	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC3 - Condition #8	D. Frequency of monitoring: Annual - see attached Source Test Form
B. Description: Particulate Matter emissioin limits and recordkeeping for CAM for Kiln #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): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

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

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

A. Attachment # or Permit Condition #: PO00036PC5 - Condition #1	D. Frequency of monitoring: Recordkeeping
B. Description: Rule 26 - Extrusion Process using Diesel #2 or Bio-diesel only.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Recordkeeping	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC5 - Condition #2	D. Frequency of monitoring: Recordkeeping
B. Description: Rule 26 - Extrusion Process using Diesel #2 or Bio-diesel annual use 150,000 gallons/year.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Recordkeeping	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC5 - Condition #3	D. Frequency of monitoring: Recordkeeping and VCAPCD Monthly Report
B. Description: Rule 26 - Extrusion Process using Diesel #2 used as an additive and Bio-diesel and shall be summed for the previious 12 calendar months.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Recordkeeping - VCACPD Monthly Report	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC5 -Condition #4	D. Frequency of monitoring: - Monthly Report to VCAPCD
B. Description: Extrusion Process using Diesel #2 or Bio-diesel reporting to VCAPCD monthly of deliveries, amount and supplier.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Monthly Report to VCAPCD	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment 64.B.1 Sulfur content gaseuos fuels	D. Frequency of monitoring: ACC
B. Description: General Applicable Requirements Rule 64.B.1 - Sulfur Content of Fuels No fuel 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.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable SCAQMD 307-94, ASTM D1072-90, ASTM D4180-88 or ASTM 4084 (If applicable)
C. Method of monitoring: - ACC - No testing required if gas is PUC quality and only PUC regulated Natural Gas purchases (bills) are maintained.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 64.B.2 - Sulfur Content Liquid Fuels	D. Frequency of monitoring: ACC
B. Description: General Applicable Requirements Rule 64.B.2 Sulfur Content of Fuel - Liquid Fuel Requirements No burning of liquid fuels with sulfur in excess of 5% by weight. If only ARB - quality reformulated gasoline or ARB - certified diesel fuel is being combusted at the facility, it will be assumed the the permitted is complying with Rule 64 without additional periodic monitoring requirements. But records must be maintained to substantiate the use of these.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Facility only uses ARB - certified liquid fuels and maintains records of the fuels - If other than ARB reformulated gasoline of ARB certified diesel fuels is being combusted, the permitted shall obtain the fuel suppliers certification or shall test the sulfur content of the fuel and the fuel suppliers certification or fuel test per each delivery shall be submitted with the ACC.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 74.6	D. Frequency of monitoring: ACC
B. Description: General Applicable Requirements Rule 74.6 Solvent cleaning and degreasing Maintain current solvent information Routine survillance of solvent cleaning activities. Upon request, solvent testing. If applicable, measurement of freeboard height and drain hole area for cold cleaners.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - The facility uses Non-ROC and aerosol solvents except per Condition #11. Only surface cleaners with non-reactive organic compounds are used (citrus oil based products) . The facility shall maintain records showing the solvents used.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC2 - 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 #3 and #4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Daily and monthly records of natural gas consumption - Twelve month rolling records of natural gas consumption - ACC including natural gas consumption	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC2 - Condition #2	D. Frequency of monitoring: ACC - see attached Source Test Form
B. Description: Rules 26, 68 and 103 NOx and CO emission limits for Kilns #3 and #4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 100
C. Method of monitoring: - ACC - Once every 12 months NOx, CO andO2 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 Kilns 3 and 4 respectively. - Hourly emissions of CO are limited to 2000 PPM for Kiln 3 and 4	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): I H. *Excursions, exceedances, or other non-compliance? (Y or N): Y *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC2 - Condiion #3	D. Frequency of monitoring: Annual - see attachedSource Test Form and Appendix G CEMS Log
B. Description: Rules 103 NOx annd CO CEMS for Kiln #3 and #4. Per 40 CFR Part 51, Appendix P, Sections 3.0 to 3.9.5.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Annual RATA
C. Method of monitoring: - ACC - CEMS installed for NOx nad CO - Relative Accuracy (RA) for CEMS every 12 Months and NOx, CO and O2 monitored ARB 100. Exhaust flow monitored ARB Method 2. -Monthly reports have been submitted, summary attached.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): I H. *Excursions, exceedances, or other non-compliance? (Y or N): Y *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC2 - Condition #4	D. Frequency of monitoring: Annual - see attached Source Test Form
B. Description: Rule 103.B.2. Recordkeeping NOx and CO CEMS for Kilns #3 and #4	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Annual RATA
C. Method of monitoring: - ACC - Record average concentrations, calibrations and other requirements of CEMS - Monthly reports previouly submitted, summary attached.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): Y *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC2 - Condition #5	D. Frequency of monitoring: Within in 96 hours NOX and CO violations reported in writing
B. Description: Reporting emissions violations	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: - District Rule 103-96 hour written notification of violations of NOx and/or CO.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC2 - Condition #6	D. Frequency of monitoring: CEM continuous data collection during affected source operating hours
B. Description: - CEMS Data	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: - CEMS measure concentration in parts per million by volume (ppmv) and calculates mass emission rates to pounds per hour (lbs/hr).	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC7 - Conditions #1, #2, #5 and #6	D. Frequency of monitoring: Quarterly readings are attached in Appendix E
B. Description: 40CFR Part 60, Subpart OOO visual dust limits and monitoring.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Quarterly dust evaluation of affected sources per applicable emission limits in Rule 50 and 40CFR Part 60, Subpart OOO requiremnets utilizing EPA Method 9 or other methods as approved by VCAPCD.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC7 -Conditions #3 and #4	D. Frequency of monitoring: Water Spray Logs are in Appendix F
B. Description: Installation and monitoring of water sprays for fugitive dust control. The Permittee shall inspect all water spray to ensure that it is working properly every two weeks	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Recordkeeping Log of inspections conducted every two weeks on water spray equipment.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

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

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

A. Attachment # or Permit Condition #: PO00036PC9 - Conditions #5 and #6	D. Frequency of monitoring: Monthly lime reports and CEM data provided to VCAPCD
B. Description: SOx real time data access and monthly lime usage report.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Monthly reports to VCAPCD of the amount and data of lime deliveries. - SOx CEMS data is provided to VCAPCD by real time modern access.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC10, Conditions #5 & #6	D. Frequency of monitoring: Daily, weekly, quarterly and anually.
B. Description: Rules 26, 50, 52 and 53: Partculate Matter Emission Requirements for the Raw Material Baghouse	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Methods 5 and 9
C. Method of monitoring: - ACC - Daily, weekly and quarterly baghouse inspections. - PM Source Test every twelve (12) months.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC11 - Condition #1	D. Frequency of monitoring: ACC; monthly and twelve-month rolling average
B. Description: Permitted Throughput and Comsumption Limit Table Material processed at the Portable Screening Plant shall not exceed 1,080,000 tons per year. The permittee shall maintain records and monthly reports of the tons of material processed through the Portable Screeniong Plant. (Rule 26)	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Monthly records and twelve-month rolling average.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC11 - Condition #2	D. Frequency of monitoring: ACC; and recordkeeping at the site.
B. Description: Water Sprays, or an equivalent moisture content greater than or equal to 3% by weight shall be used and maintained where and when necessary to control fugitive emissions from the screening plant and stockpiles. Moisture Content shall be determined every six months using the most recent version of ASTM Method C-566. The moisture content results shall be dated and maintained at the facility and shall be submitted to the District with the ACC. (Rule 26)	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Six month records kept at the facility.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment 74.11.1 - Water Heaters and Boilers	D. Frequency of monitoring: ACC
B. Description: General Applicable Requirements Rule 74.211.1 Large Water Heaters and Small Boilers After December 31, 2000, no installation of any new unit with the rate heat input capacity of greater than or equal to 75,000 BTU/hr at this stationary source. Application may be made in the future installation of large water heater or small boilers.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - N/A, there are no water heater, boilers, steam generators or process heaters with a rated heat input capacity of greater than 75,000 BTU/hr at this stationary source. - Application may be made in the future installation of large water heater or small boiler.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 74.22 - Central Furnace	D. Frequency of monitoring: ACC
B. Description: General Applicable Requirements Rule 73.22 - 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 nanagrams 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.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Not required. Application to potential future installations. Except per Condition #3 All current heaters were installed prior to May 31, 1995.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment 74.2	D. Frequency of monitoring: ACC and routine periodic monitoring
B. Description: Rule 74.2 Architectural Coating 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 non-flat coatings< 15 gram/liter of coating, excluding water, exempt compounds and colorant; VOC content of non-flat high gloss coatings, 250 gram/liter of coating, excluding water, exempt organics. None used during this reporting period.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable VOC: EPA Method 24 / CARB Method 432; Acid content: ASTM D1613-95; Metal : SCAQMD 311-91
C. Method of monitoring: - ACC - Routine surveillance and periodic inspection of coatings used for containers with volume >1 liter and excluding aerosol coatings; maintain VOC records of inspections and actions taken, including maintaining records for non-exempt coatings used at the site, if any. Submit information to District upon request.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 74.29 - N3 Soil Decontamination	D. Frequency of monitoring: ACC
B. Description: Rule 74.29 Soil Decontamination Operations	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - No monitoring necessary; no soil decontamination / aeration took place at the facility during the compliance period.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Rule 26 and 40 CFR Part 60 Subpart OOO, 08.31.83	D. Frequency of monitoring: ACC; as requested by the VCAPCD
B. Description: Standards of Performance for Nonmetallic Mineral Processing Facilities for equipment installed after August 31,1983 and before April 22, 2008.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable None requested in addition to required compliance testing, EPA Methods 5, 9, 17 and 22
C. Method of monitoring: - Source Tests and opacity readings unpon request of VCAPCD. - EPA Methods 5, 9, 17 and 22 - ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC10 - rev 261 - Condition #2	D. Frequency of monitoring: ACC and Source Test
B. Description: General Applicable Requirements The Permittee shall not discharge into the atmosphere from the exhaust stack of the Raw Plant Material Baghouse particulate matter in excess of the following limits: Meet particulate Matter (PM) emissions of Rule 26 & 52, as shown by: 1. By Annual Source Test for PM with Method CARB 5 2. Per Rule 26, submit test protol 30 days prior to the test report and results to be submitted to APCD within 45 days after test	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable See atteched Source Test Summary Form
C. Method of monitoring: - ACC - Source Test results	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC10 - rev 261 - Condition #3	D. Frequency of monitoring: ACC and recordkeeping.
B. Description: As Per Rule 26, baghouse dust collectors for applicable equipment maintained in good working order and dust handled in an enclosed screw conveyor.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Maintenance Records	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036 PC11 - Condition #3	D. Frequency of monitoring: ACC and recordkeeping.
B. Description: The Moisture results shall be dated and maintained at the facility and shall be submitted to the District with the ACC. (Rule 26)	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Initial Method 9 Source Test - ACC and recordkeeping	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION

PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment 55 - Condition #6	D. Frequency of monitoring: ACC and recordkeeping.
B. Description: General Applicabl Reequirements Comply with recordkeeping requirement in Rule 55, as applicable.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Records and reports maintained at the facility.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 55 - Condition #7	D. Frequency of monitoring: ACC and recordkeeping.
B. Description: Permittee shall certify on a annual basis that all applicable sources of dust at the stationary source are operating in compliance with Rule 55.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Recordkeeping	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC10 - rev 261 - Condition #1	D. Frequency of monitoring: ACC
B. Description: Rule 26 -New Source Review Raw Material Baghouse shall be installed to meet specified requirements and control particulate emissions from specific equipment	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

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

A. Attachment # or Permit Condition #: PO00036PC1 - Condition #1	D. Frequency of monitoring: Monthly throughput and consumption records (Attached in Appendix A & B as applicable)
B. Description: Rule 26 General Recordkeeping	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Submittal of ACC - Monthly records of throughput and consumption	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: PO00036PC1 - Condition #2	D. Frequency of monitoring: Annual compliance statement. Recordkreeping of nonexempt solvent usage - N/A for this reporting period.
B. Description: Rule 29 Solvent Recordkeeping	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: Records of solvent purchases and usage. As applicable to VCACPD rules. Solvent used for facility maintenance amd repair exempt (Rule 23.F.7 - not including by contractors) . Nonfillable aerosol <2% organic solvents exempt. Solvents used by the facility are exempt by Rule 23.F.7 and 23.F.10.a & b. Facility only uses non-volitile (<2% organic) citrus oil based cleaning agents and non-refillable aerosol cleaning products.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: 40 CFR Part 60 Subpart OOO (4.22.08), Condition #4	D. Frequency of monitoring: ACC; rountine and periodic visible emission monitoring
B. Description: Any transfer point on an enclosed conveyor belt must comply with the above limits or the enclosure must have no visible emissions from vent. The vent shall comply with the limits for Condition #1.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Rountine periodic visible emissions monitoring	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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

A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO (4.22.08), Condition #6, #7 & #8	D. Frequency of monitoring: ACC, recordkeeping
B. Description: Condition #6: Emission concentration and opacity limits shall not apply to truck dumping of nonmetallic minerals, start-up, shut-down or malfunction. Condition #7:The permittee shall maintain records of occurances and duration of start-up, shut-down or malfunction. Condition #8: Upon request by the District, the permittee shall perform emissions tests to determine compliance with the emissions limits and opacity requirements	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Not Applicable
C. Method of monitoring: - ACC - Recordkeeping	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO (4.22.08), Condition #13	D. Frequency of monitoring: ACC and Quarterly Observations Records
B. Description: The permittee shall report any changes in the process material from saturated to unsatutated 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.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Quarterly Inspection	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 55- Fugitive Dust , Condition #1	D. Frequency of monitoring: ACC; Rountine periodic observations and recordkeeping.
B. Description: As Per Applicable Requiements of Rule 55.B.1 No discharge of fugitive dust from applicable source and track-out more than 50 feet from the property boundary or more than midway across adjacent roadway.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Method 9
C. Method of monitoring: - ACC - Montoring , recordkeeping and reports required by the Fugitive Dust Reduction Plan (FDRP). The FDRP includes: the use of dust suppressant/chemical stablizer, use of paved area or gravel pads to minimize track-out and use of posted speed limit signs on unpaved haul roads.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 55 - Fugitive Dust, Condition #2	D. Frequency of monitoring: ACC; Periodic observations and recordkeeping
B. Description: As Per General Applicatible requirements Rule 55.B.2 No discharge of fugitive dusts from applicable source such that emission from source creates equal to / greater than 20% opacity for more than 3 minutes (cumulative) within any 1 hour.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Periodic routine visible observations - ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: Attachment 55 - Fugitive Dust , Condition #3	D. Frequency of monitoring: Periodic visible observations, recordkeeping and ACC
B. Description: No track-out to extend 25 feet or more in length unless specific control measure is ultilized: either track-out area improvement, track-out prevention or track-out removal.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - Records of periodic observations - ACC	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 55 - Fugitive Dust, Condition #4	D. Frequency of monitoring: ACC and recordkeeping.
B. Description: As Per General Applicable Requirement for Rule 55 All track-out to be removed at the end of each operating day.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A
C. Method of monitoring: - ACC - Records and reports mintained at the facility.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: Attachment 55 - Fugitive Dust, Condition #5	D. Frequency of monitoring: ACC and recordkeeping
B. Description: As Per General Applicable Requirements, Rule 55 Permittee will comply with specific activity requirements, as designated in Rule 55 for: Earth-moving, bulk material hauling and truck activities.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Upon District request, source test as per EPA Methods: 6, 6A, 6C, 8, 15, 16A & 6B; as applicable
C. Method of monitoring: - ACC - Records and reports maintained at the facility	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

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

A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO (4.22.08), Conditions #10 & #11	D. Frequency of monitoring: ACC, recordkeeping
B. Description: Condition # 10: A wet scrubber shall be equipped with a calibrated continous monitoring of: a) Pressure loss of the gas stream b) Scrubbing liquid flow rate. Condition # 11: The permittee shall maintain record of continuous monitoring of the wet scrubber	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: - N/A, no wet scrubbers have been installed after April 22, 2008 - ACC -Recordkeeping	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO (4.22.08), Condition #12	D. Frequency of monitoring: ACC; rountine and periodic visible emission montoring; Recordkeeping
B. Description: The permittee shall submit written reports to the District of results of all performance tests to demonstrate complicance with emission concentrations and opacity limits, including Method 9 and Method 22 observations.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Method 9 and Method 22
C. Method of monitoring: - ACC - Logs of rountine periodic monitoring and visible emission monitoring	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #: PO00036PC10 - Rev 261 - Condition #4	D. Frequency of monitoring: ACC and routine periodic monitoring
B. Description: Per Rule 50, no discharge if air contaminments for more than 3 minutes (cumulative) in any 1 hour period equal to / greater than 20% opacity.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: Method 9
C. Method of monitoring: - ACC - Routine observation records of periodic monitoring	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

A. Attachment # or Permit Condition #: 40 CFR Part 60, Subpart OOO (4.22.08) Condition #2	D. Frequency of monitoring: Rountine and periodic visible monitoring
B. Description: Fugitive emissions from belt conveyor transfer points shall not exhabit greater or equal to 10% opacity	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable: N/A
C. Method of monitoring: - Submittal of Annual Compliance Certification (ACC) - Facility records for rountine periodic visible emissions monitoring	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form

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

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9 - Condition #6	Kiln #4 SO2 Mass Rate / GM32	Begin: 05-02-2019 / 08:02 End: 05-02-2109 / 08:55 When Discovered: Date & Time 05-02-2019 / 08:19
D. Parameters monitored:	E. Limit:	F. Actual:
SO2 CEMS	8.28 lb/hr	8.55 lb/hr
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC3 - Condition #6	Kiln #4 SO2 Mass Rate / GM32	Begin: 05-31-2019 / 14:00 End: 05-31-2019 / 15:00 When Discovered: Date & Time 05-31-2019 / 14:08
D. Parameters monitored:	E. Limit:	F. Actual:
SO2 CEMS	8.28 lb/hr	14.82 lb/hr
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC3 - Condition #6	Kiln #4 SO2 Mass Rate / GM32	Begin: 06-05-2019 / 06:30 End: 06-05-2019 / 06:45 When Discovered: Date & Time 06-05-2019 / 06:35
D. Parameters monitored:	E. Limit:	F. Actual:
SO2 CEMS	8.28 lb/hr	11.12 lb/hr
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition #3	Kiln #4 NOx Emissions / GM32	Begin: 07-24-2019 / 14:02 End: 07-24-2019 / 14:22 When Discovered: Date & Time 07-24-2019 / 14:08
D. Parameters monitored:	E. Limit:	F. Actual:
NOX (lb/hr)	5.6 lb/hr	9.58 lb/hr
G. Probable Cause of Deviation: See Attached Log	H. Corrective actions taken: See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC3 - Condition #6	Kiln #4 SO2 Emissions / GM32	Begin: 08-08-2019 /11:02 End: 08-08-2019 / 12:17 When Discovered: Date & Time
D. Parameters monitored:	E. Limit:	F. Actual:
SO2 CEMS	8.28 lb/hr	9.21 lb/hr
G. Probable Cause of Deviation: See Attached Log	H. Corrective actions taken: See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition #3	Kiln #4 - NOx Emissions / GM32	Begin: 09-02-2019 / 13:50 End: 09-02-2019 / 14:35 When Discovered: Date & Time 09-02-2019 / 15:02
D. Parameters monitored:	E. Limit:	F. Actual:
NOX (lb/hr)	5.6 lb/hr	11.89 lb/hr
G. Probable Cause of Deviation: See Attached Log	H. Corrective actions taken: See Attached Log	

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition #3	Kiln #4 - CO Monitor / GM35	Begin: 10-13-2019 / 08:00 End: 10-25-2020 / 09:00 When Discovered: Date & Time 10-13-2019 / 08:30
D. Parameters monitored:	E. Limit:	F. Actual:
CO CEMS	N/A	N/A
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition #2	Kiln #4 - CO Monitor / GM35	Begin: 11-16-19 / 22:33 End: 11-16-2019 / 22:45 When Discovered: Date & Time 11-16-19 / 22:40
D. Parameters monitored:	E. Limit:	F. Actual:
CO CEMS	2000 ppmvd	2206 ppmvd
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC2 - Condition #3	Kiln #4 - CO Monitor / GM35	Begin: 12-20-2019 / 03:00 End: 01-01-2020 / 08:20 When Discovered: Date & Time 12-20-2019 / 04:00
D. Parameters monitored:	E. Limit:	F. Actual:
CO CEMS	N/A	N/A
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION
DEVIATION SUMMARY FORM

Period Covered by Compliance Certification: 04 / 01 / 19 (MM/DD/YY) to 03 / 31 / 20 (MM/DD/YY)

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9 - Condition #6	Kiln #3 - O2 Monitor	Begin: 3-10-2020 / 08:00 End: 03-14-2020 / 14:00 When Discovered: Date & Time 3-10-2020 / 08:30
D. Parameters monitored:	E. Limit:	F. Actual:
O2 CEMS	N/A	N/A
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9 - Condition #6	Kiln #4 - O2 Monitor	Begin: 03-14-2020 / 8:02 End: 3-20-2020 / 14:00 When Discovered: Date & Time 03-14-2020 / 8:25
D. Parameters monitored:	E. Limit:	F. Actual:
O2 CEMS	N/A	N/A
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

A. Attachment # or Permit Condition #:	B. Equipment description:	C. Deviation Period: Date & Time
PO00036PC9 - Condition #6	Kiln #3 - O2 Monitor	Begin: 03-17-2020 / 08:00 End: 3-24-2020 / 08:02 When Discovered: Date & Time 03-17-2020 / 08:30
D. Parameters monitored:	E. Limit:	F. Actual:
O2 CEMS	N/A	N/A
G. Probable Cause of Deviation:	H. Corrective actions taken:	
See Attached Log	See Attached Log	

APPENDIX A

PO0036PC1 Condition #1
PO0036PC3 Condition #1

General Production and Throughput Data

Raw Material Extruder
Annual Lightweight Aggregate Produced

Daily & Monthly Raw Material Processed (Clay)

April	Extruder #1 (tons)	Hours Run	Total
4/1/2019	82	1.9	82
4/2/2019	593	13.7	593
4/3/2019	186	4.3	186
4/4/2019	671	15.5	671
4/5/2019	420	9.7	420
4/6/2019	402	9.3	402
4/7/2019	411	9.5	411
4/8/2019	454	10.5	454
4/9/2019	138	3.2	138
4/10/2019	515	11.9	515
4/11/2019	593	13.7	593
4/12/2019	796	18.4	796
4/13/2019	575	13.3	575
4/14/2019	199	4.6	199
4/15/2019	450	10.4	450
4/16/2019	402	9.3	402
4/17/2019	614	14.2	614
4/18/2019	640	14.8	640
4/19/2019	502	11.6	502
4/20/2019	502	11.6	502
4/21/2019	584	13.5	584
4/22/2019	610	14.1	610
4/23/2019	627	14.5	627
4/24/2019	645	14.9	645
4/25/2019	593	13.7	593
4/26/2019	714	16.5	714
4/27/2019	727	16.8	727
4/28/2019	623	14.4	623
4/29/2019	476	11	476
4/30/2019	342	7.9	342
April	15085	348.7	15085

May	Extruder #1 (tons)	Hours Run	Total
5/1/2019	446	10.3	446
5/2/2019	441	10.2	441
5/3/2019	433	10	433
5/4/2019	671	15.5	671
5/5/2019	688	15.9	688
5/6/2019	433	10	433
5/7/2019	519	12	519
5/8/2019	523	12.1	523
5/9/2019	653	15.1	653
5/10/2019	502	11.6	502
5/11/2019	662	15.3	662
5/12/2019	601	13.9	601
5/13/2019	606	14	606
5/14/2019	389	9	389
5/15/2019	597	13.8	597
5/16/2019	645	14.9	645
5/17/2019	623	14.4	623
5/18/2019	588	13.6	588
5/19/2019	692	16	692
5/20/2019	696	16.1	696
5/21/2019	428	9.9	428
5/22/2019	394	9.1	394
5/23/2019	662	15.3	662
5/24/2019	692	16	692
5/25/2019	251	5.8	251
5/26/2019	826	19.1	826
5/27/2019	523	12.1	523
5/28/2019	203	4.7	203
5/29/2019	0	0	0
5/30/2019	0	0	0
5/31/2019	0	0	0
May	15388	355.7	15388

June	Extruder #1 (tons)	Hours Run	Total
6/1/2019	0	0	0
6/2/2019	0	0	0
6/3/2019	0	0	0
6/4/2019	0	0	0
6/5/2019	0	0	0
6/6/2019	0	0	0
6/7/2019	0	0	0
6/8/2019	0	0	0
6/9/2019	0	0	0
6/10/2019	0	0	0
6/11/2019	376	8.7	376
6/12/2019	355	8.2	355
6/13/2019	355	8.2	355
6/14/2019	420	9.7	420
6/15/2019	316	7.3	316
6/16/2019	424	9.8	424
6/17/2019	506	11.7	506
6/18/2019	273	6.3	273
6/19/2019	562	13	562
6/20/2019	472	10.9	472
6/21/2019	662	15.3	662
6/22/2019	264	6.1	264
6/23/2019	497	11.5	497
6/24/2019	653	15.1	653
6/25/2019	666	15.4	666
6/26/2019	549	12.7	549
6/27/2019	545	12.6	545
6/28/2019	839	19.4	839
6/29/2019	645	14.9	645
6/30/2019	727	16.8	727
June	10106	233.6	10106

July	Extruder #1 (tons)	Hours Run	Total
7/1/2019	619	14.3	619
7/2/2019	645	14.9	645
7/3/2019	653	15.1	653
7/4/2019	727	16.8	727
7/5/2019	696	16.1	696
7/6/2019	303	7	303
7/7/2019	861	19.9	861
7/8/2019	571	13.2	571
7/9/2019	389	9	389
7/10/2019	580	13.4	580
7/11/2019	584	13.5	584
7/12/2019	510	11.8	510
7/13/2019	649	15	649
7/14/2019	705	16.3	705
7/15/2019	744	17.2	744
7/16/2019	601	13.9	601
7/17/2019	554	12.8	554
7/18/2019	774	17.9	774
7/19/2019	610	14.1	610
7/20/2019	476	11	476
7/21/2019	688	15.9	688
7/22/2019	601	13.9	601
7/23/2019	43	1	43
7/24/2019	571	13.2	571
7/25/2019	489	11.3	489
7/26/2019	766	17.7	766
7/27/2019	519	12	519
7/28/2019	701	16.2	701
7/29/2019	472	10.9	472
7/30/2019	614	14.2	614
7/31/2019	506	11.7	506
July	18221	421.2	18221

August	Extruder #1 (tons)	Hours Run	Total
8/1/2019	562	13	562
8/2/2019	95	2.2	95
8/3/2019	0	0	0
8/4/2019	0	0	0
8/5/2019	0	0	0
8/6/2019	0	0	0
8/7/2019	601	13.9	601
8/8/2019	627	14.5	627
8/9/2019	472	10.9	472
8/10/2019	554	12.8	554
8/11/2019	640	14.8	640
8/12/2019	506	11.7	506
8/13/2019	571	13.2	571
8/14/2019	480	11.1	480
8/15/2019	649	15	649
8/16/2019	472	10.9	472
8/17/2019	437	10.1	437
8/18/2019	303	7	303
8/19/2019	376	8.7	376
8/20/2019	532	12.3	532
8/21/2019	536	12.4	536
8/22/2019	584	13.5	584
8/23/2019	653	15.1	653
8/24/2019	636	14.7	636
8/25/2019	489	11.3	489
8/26/2019	208	4.8	208
8/27/2019	575	13.3	575
8/28/2019	463	10.7	463
8/29/2019	774	17.9	774
8/30/2019	99	2.3	99
8/31/2019	463	10.7	463
August	13359	308.8	13359

September	Extruder #1 (tons)	Hours Run	Total
9/1/2019	225	5.2	225
9/2/2019	476	11	476
9/3/2019	779	18	779
9/4/2019	562	13	562
9/5/2019	182	4.2	182
9/6/2019	510	11.8	510
9/7/2019	311	7.2	311
9/8/2019	303	7	303
9/9/2019	372	8.6	372
9/10/2019	350	8.1	350
9/11/2019	337	7.8	337
9/12/2019	234	5.4	234
9/13/2019	376	8.7	376
9/14/2019	311	7.2	311
9/15/2019	264	6.1	264
9/16/2019	463	10.7	463
9/17/2019	692	16	692
9/18/2019	519	12	519
9/19/2019	519	12	519
9/20/2019	506	11.7	506
9/21/2019	363	8.4	363
9/22/2019	385	8.9	385
9/23/2019	658	15.2	658
9/24/2019	502	11.6	502
9/25/2019	658	15.2	658
9/26/2019	485	11.2	485
9/27/2019	554	12.8	554
9/28/2019	519	12	519
9/29/2019	346	8	346
9/30/2019	480	11.1	480
September	13242	306.1	13242

Ocobter	Extruder #1 (tons)	Hours Run	Total
10/1/2019	584	13.5	584
10/2/2019	411	9.5	411
10/3/2019	532	12.3	532
10/4/2019	597	13.8	597
10/5/2019	389	9	389
10/6/2019	389	9	389
10/7/2019	705	16.3	705
10/8/2019	627	14.5	627
10/9/2019	623	14.4	623
10/10/2019	684	15.8	684
10/11/2019	645	14.9	645
10/12/2019	696	16.1	696
10/13/2019	606	14	606
10/14/2019	614	14.2	614
10/15/2019	342	7.9	342
10/16/2019	134	3.1	134
10/17/2019	216	5	216
10/18/2019	355	8.2	355
10/19/2019	346	8	346
10/20/2019	489	11.3	489
10/21/2019	389	9	389
10/22/2019	268	6.2	268
10/23/2019	138	3.2	138
10/24/2019	286	6.6	286
10/25/2019	95	2.2	95
10/26/2019	571	13.2	571
10/27/2019	350	8.1	350
10/28/2019	476	11	476
10/29/2019	273	6.3	273
10/30/2019	562	13	562
10/31/2019	459	10.6	459
October	13852	320.2	13852

November	Extruder #1 (tons)	Hours Run	Total
11/1/2019	0	0	0
11/2/2019	0	0	0
11/3/2019	0	0	0
11/4/2019	0	0	0
11/5/2019	0	0	0
11/6/2019	0	0	0
11/7/2019	0	0	0
11/8/2019	0	0	0
11/9/2019	0	0	0
11/10/2019	0	0	0
11/11/2019	0	0	0
11/12/2019	0	0	0
11/13/2019	0	0	0
11/14/2019	0	0	0
11/15/2019	0	0	0
11/16/2019	0	0	0
11/17/2019	0	0	0
11/18/2019	0	0	0
11/19/2019	0	0	0
11/20/2019	0	0	0
11/21/2019	0	0	0
11/22/2019	0	0	0
11/23/2019	0	0	0
11/24/2019	0	0	0
11/25/2019	0	0	0
11/26/2019	0	0	0
11/27/2019	0	0	0
11/28/2019	0	0	0
11/29/2019	0	0	0
11/30/2019	0	0	0
November	0	0	0

December	Extruder #1 (tons)	Hours Run	Total
12/1/2019	0	0.0	0
12/2/2019	0	0.0	0
12/3/2019	0	0.0	0
12/4/2019	0	0.0	0
12/5/2019	0	0.0	0
12/6/2019	0	0.0	0
12/7/2019	0	0.0	0
12/8/2019	0	0.0	0
12/9/2019	0	0.0	0
12/10/2019	0	0.0	0
12/11/2019	0	0.0	0
12/12/2019	0	0.0	0
12/13/2019	0	0.0	0
12/14/2019	0	0.0	0
12/15/2019	0	0.0	0
12/16/2019	0	0.0	0
12/17/2019	0	0.0	0
12/18/2019	0	0.0	0
12/19/2019	0	0.0	0
12/20/2019	0	0.0	0
12/21/2019	0	0.0	0
12/22/2019	0	0.0	0
12/23/2019	0	0.0	0
12/24/2019	0	0.0	0
12/25/2019	0	0.0	0
12/26/2019	0	0.0	0
12/27/2019	0	0.0	0
12/28/2019	0	0.0	0
12/29/2019	0	0.0	0
12/30/2019	0	0.0	0
12/31/2019	0	0.0	0
December	0	0	0

January	Extruder #1 (tons)	Hours Run	Total
1/1/2020	532	12.3	532
1/2/2020	459	10.6	459
1/3/2020	549	12.7	549
1/4/2020	536	12.4	536
1/5/2020	567	13.1	567
1/6/2020	588	13.6	588
1/7/2020	692	16.0	692
1/8/2020	696	16.1	696
1/9/2020	571	13.2	571
1/10/2020	467	10.8	467
1/11/2020	857	19.8	857
1/12/2020	571	13.2	571
1/13/2020	467	10.8	467
1/14/2020	472	10.9	472
1/15/2020	415	9.6	415
1/16/2020	368	8.5	368
1/17/2020	571	13.2	571
1/18/2020	394	9.1	394
1/19/2020	203	4.7	203
1/20/2020	212	4.9	212
1/21/2020	433	10.0	433
1/22/2020	398	9.2	398
1/23/2020	69	1.6	69
1/24/2020	441	10.2	441
1/25/2020	376	8.7	376
1/26/2020	385	8.9	385
1/27/2020	385	8.9	385
1/28/2020	381	8.8	381
1/29/2020	376	8.7	376
1/30/2020	463	10.7	463
1/31/2020	350	8.1	350
January	14246	329.3	14246

February	Extruder #1 (tons)	Hours Run	Total
2/1/2020	324	7.5	324
2/2/2020	346	8.0	346
2/3/2020	316	7.3	316
2/4/2020	294	6.8	294
2/5/2020	337	7.8	337
2/6/2020	337	7.8	337
2/7/2020	342	7.9	342
2/8/2020	324	7.5	324
2/9/2020	320	7.4	320
2/10/2020	450	10.4	450
2/11/2020	333	7.7	333
2/12/2020	355	8.2	355
2/13/2020	346	8.0	346
2/14/2020	407	9.4	407
2/15/2020	333	7.7	333
2/16/2020	303	7.0	303
2/17/2020	359	8.3	359
2/18/2020	437	10.1	437
2/19/2020	216	5.0	216
2/20/2020	290	6.7	290
2/21/2020	476	11.0	476
2/22/2020	709	16.4	709
2/23/2020	549	12.7	549
2/24/2020	623	14.4	623
2/25/2020	381	8.8	381
2/26/2020	420	9.7	420
2/27/2020	614	14.2	614
2/28/2020	368	8.5	368
2/29/2020	900	20.8	900
February	11810	273	11810

March	Extruder #1 (tons)	Hours Run	Total
3/1/2020	472	10.9	472
3/2/2020	307	7.1	307
3/3/2020	575	13.3	575
3/4/2020	571	13.2	571
3/5/2020	571	13.2	571
3/6/2020	376	8.7	376
3/7/2020	684	15.8	684
3/8/2020	298	6.9	298
3/9/2020	562	13	562
3/10/2020	216	5	216
3/11/2020	549	12.7	549
3/12/2020	424	9.8	424
3/13/2020	203	4.7	203
3/14/2020	311	7.2	311
3/15/2020	290	6.7	290
3/16/2020	324	7.5	324
3/17/2020	303	7	303
3/18/2020	459	10.6	459
3/19/2020	584	13.5	584
3/20/2020	549	12.7	549
3/21/2020	355	8.2	355
3/22/2020	545	12.6	545
3/23/2020	463	10.7	463
3/24/2020	614	14.2	614
3/25/2020	381	8.8	381
3/26/2020	411	9.5	411
3/27/2020	428	9.9	428
3/28/2020	575	13.3	575
3/29/2020	485	11.2	485
3/30/2020	342	7.9	342
3/31/2020	381	8.8	381
March	13610	303.7	13610

138917 yearly total

Daily & Monthly Material Produced

12 Month rolling totals

April Production	Kiln #3 (tons)	Kiln #4 (tons)	Total
4/1/2019	0	138	138
4/2/2019	0	158	158
4/3/2019	0	203	203
4/4/2019	58	204	263
4/5/2019	159	55	214
4/6/2019	149	132	145
4/7/2019	155	132	287
4/8/2019	156	165	322
4/9/2019	47	75	122
4/10/2019	73	137	210
4/11/2019	0	0	0
4/12/2019	106	174	280
4/13/2019	137	183	320
4/14/2019	158	210	368
4/15/2019	158	158	316
4/16/2019	159	161	320
4/17/2019	98	119	218
4/18/2019	89	92	180
4/19/2019	156	153	309
4/20/2019	154	196	351
4/21/2019	138	210	348
4/22/2019	155	201	356
4/23/2019	152	183	335
4/24/2019	163	197	360
4/25/2019	159	191	350
4/26/2019	154	193	347
4/27/2019	137	16	305
4/28/2019	140	171	311
4/29/2019	145	182	327
4/30/2019	161	158	318
	3,516	4,547	8,081

Apr-18	11,366
May-18	11,376
Jun-18	6,320
Jul-18	12,001
Aug-18	8,807
Sep-18	10,148
Oct-18	10,981
Nov-18	12,115
Dec-18	8,402
Jan-19	10,750
Feb-19	8,449
Mar-19	6,837
114,267	**monthy rolling**

	Kiln #3 (tons)	Kiln #4 (tons)	Total		
5/1/2019	172	203	375		
5/2/2019	161	205	371		
5/3/2019	171	166	338		
5/4/2019	145	181	327		
5/5/2019	171	187	358		
5/6/2019	172	189	360		
5/7/2019	173	124	298		
5/8/2019	70	205	275		
5/9/2019	2	208	210		
5/10/2019	111	196	307		
5/11/2019	169	203	372		
5/12/2019	137	220	358		
5/13/2019	84	227	311		
5/14/2019	0	0	0		
5/15/2019	0	0	0		
5/16/2019	0	0	0		
5/17/2019	0	0	0		
5/18/2019	0	0	0		
5/19/2019	0	0	0		
5/20/2019	0	0	0		
5/21/2019	0	0	0		
5/22/2019	0	0	0		
5/23/2019	0	0	0		
5/24/2019	0	0	0		
5/25/2019	0	0	0		
5/26/2019	0	0	0		
5/27/2019	0	0	0		
5/28/2019	0	0	0		
5/29/2019					
5/30/2019					
5/31/2019					
	1,738	2,514	4,260	**107,151**	**monthy rolling**

	Kiln #3 (tons)	Kiln #4 (tons)	Total		
6/1/2019					
6/2/2019					
6/3/2019					
6/4/2019					
6/5/2019					
6/6/2019					
6/7/2019					
6/8/2019					
6/9/2019					
6/10/2019					
6/11/2019					
6/12/2019					
6/13/2019					
6/14/2019					
6/15/2019					
6/16/2019					
6/17/2019					
6/18/2019					
6/19/2019					
6/20/2019					
6/21/2019					
6/22/2019					
6/23/2019					
6/24/2019					
6/25/2019					
6/26/2019					
6/27/2019					
6/28/2019					
6/29/2019					
6/30/2019					
June Total	-	-	-	**100,831**	**monthy rolling**

July Production	Kiln #3 (tons)	Kiln #4 (tons)	Total
7/1/2019	0	0	0
7/2/2019	0	0	0
7/3/2019	0	0	0
7/4/2019	0	0	0
7/5/2019	0	0	0
7/6/2019	0	0	0
7/7/2019	0	0	0
7/8/2019	0	0	0
7/9/2019	0	0	0
7/10/2019	0	0	0
7/11/2019	0	0	0
7/12/2019	0	0	0
7/13/2019	0	0	0
7/14/2019	0	0	0
7/15/2019	0	0	0
7/16/2019	0	0	0
7/17/2019	0	0	0
7/18/2019	0	0	0
7/19/2019	0	0	0
7/20/2019	0	0	0
7/21/2019	0	0	0
7/22/2019	0	0	0
7/23/2019	0	0	0
7/24/2019	0	0	0
7/25/2019	0	0	0
7/26/2019	0	0	0
7/27/2019	0	0	0
7/28/2019	0	0	0
7/29/2019	0	0	0
7/30/2019	0	0	0
7/31/2019	0	0	0
July Total	-	-	-

88,830 **monthy rolling**

August Production	Kiln #3 (tons)	Kiln #4 (tons)	Total
8/1/2019	0	0	0
8/2/2019	0	0	0
8/3/2019	0	0	0
8/4/2019	0	0	0
8/5/2019	0	0	0
8/6/2019	0	0	0
8/7/2019	0	0	0
8/8/2019	0	0	0
8/9/2019	0	0	0
8/10/2019	0	0	0
8/11/2019	0	0	0
8/12/2019	0	0	0
8/13/2019	0	0	0
8/14/2019	0	0	0
8/15/2019	0	0	0
8/16/2019	0	0	0
8/17/2019	0	0	0
8/18/2019	0	0	0
8/19/2019	0	0	0
8/20/2019	0	0	0
8/21/2019	0	0	0
8/22/2019	0	0	0
8/23/2019	0	0	0
8/24/2019	0	0	0
8/25/2019	0	0	0
8/26/2019	0	0	0
8/27/2019	0	0	0
8/28/2019	0	0	0
8/29/2019	0	0	0
8/30/2019	0	0	0
8/31/2019	0	0	0
August Total	-	-	-

80,023 **monthy rolling**

September Product	Kiln #3 (tons)	Kiln #4 (tons)	Total
9/1/2019	0	0	0
9/2/2019	0	0	0
9/3/2019	0	0	0
9/4/2019	0	0	0
9/5/2019	0	0	0
9/6/2019	0	0	0
9/7/2019	0	0	0
9/8/2019	0	0	0
9/9/2019	0	0	0
9/10/2019	0	0	0
9/11/2019	0	0	0
9/12/2019	0	0	0
9/13/2019	0	0	0
9/14/2019	0	0	0
9/15/2019	0	0	0
9/16/2019	0	0	0
9/17/2019	0	0	0
9/18/2019	0	0	0
9/19/2019	0	0	0
9/20/2019	0	0	0
9/21/2019	0	0	0
9/22/2019	0	0	0
9/23/2019	0	0	0
9/24/2019	0	0	0
9/25/2019	0	0	0
9/26/2019	0	0	0
9/27/2019	0	0	0
9/28/2019	0	0	0
9/29/2019	0	0	0
9/30/2019	0	0	0
September Total	-	-	-

69,875 **monthy rolling**

October Production	Kiln #3 (tons)	Kiln #4 (tons)	Total
10/1/2019	0	0	0
10/2/2019	0	0	0
10/3/2019	0	0	0
10/4/2019	0	0	0
10/5/2019	0	0	0
10/6/2019	0	0	0
10/7/2019	0	0	0
10/8/2019	0	0	0
10/9/2019	0	0	0
10/10/2019	0	0	0
10/11/2019	0	0	0
10/12/2019	0	0	0
10/13/2019	0	0	0
10/14/2019	0	0	0
10/15/2019	0	0	0
10/16/2019	0	0	0
10/17/2019	0	0	0
10/18/2019	0	0	0
10/19/2019	0	0	0
10/20/2019	0	0	0
10/21/2019	0	0	0
10/22/2019	0	0	0
10/23/2019	0	0	0
10/24/2019	0	0	0
10/25/2019	0	0	0
10/26/2019	0	0	0
10/27/2019	0	0	0
10/28/2019	0	0	0
10/29/2019	0	0	0
10/30/2019	0	0	0
10/31/2019	0	0	0
October Total	**-**	**-**	**-**

58,894 **monthy rolling**

November Producti	Kiln #3 (tons)	Kiln #4 (tons)	Total		
11/1/2019	0	0	0		
11/2/2019	0	0	0		
11/3/2019	0	0	0		
11/4/2019	0	0	0		
11/5/2019	0	0	0		
11/6/2019	0	0	0		
11/7/2019	0	0	0		
11/8/2019	0	0	0		
11/9/2019	0	0	0		
11/10/2019	0	0	0		
11/11/2019	0	0	0		
11/12/2019	0	0	0		
11/13/2019	0	0	0		
11/14/2019	0	0	0		
11/15/2019	0	0	0		
11/16/2019	0	0	0		
11/17/2019	0	0	0		
11/18/2019	0	0	0		
11/19/2019	0	0	0		
11/20/2019	0	0	0		
11/21/2019	0	0	0		
11/22/2019	0	0	0		
11/23/2019	0	0	0		
11/24/2019	0	0	0		
11/25/2019	0	0	0		
11/26/2019	0	0	0		
11/27/2019	0	0	0		
11/28/2019	0	0	0		
11/29/2019	0	0	0		
11/30/2019	0	0	0		
November Total	**-**	**-**	**-**	**46,779**	**monthy rolling**

December Producti	Kiln #3 (tons)	Kiln #4 (tons)	Total		
12/1/2019	0	0	0		
12/2/2019	0	0	0		
12/3/2019	0	0	0		
12/4/2019	0	0	0		
12/5/2019	0	0	0		
12/6/2019	0	0	0		
12/7/2019	0	0	0		
12/8/2019	0	0	0		
12/9/2019	0	0	0		
12/10/2019	0	0	0		
12/11/2019	0	0	0		
12/12/2019	0	0	0		
12/13/2019	0	0	0		
12/14/2019	0	0	0		
12/15/2019	0	0	0		
12/16/2019	0	0	0		
12/17/2019	0	0	0		
12/18/2019	0	0	0		
12/19/2019	0	0	0		
12/20/2019	0	0	0		
12/21/2019	0	0	0		
12/22/2019	0	0	0		
12/23/2019	0	0	0		
12/24/2019	0	0	0		
12/25/2019	0	0	0		
12/26/2019	0	0	0		
12/27/2019	0	0	0		
12/28/2019	0	0	0		
12/29/2019	0	0	0		
12/30/2019	0	0	0		
12/31/2019	0	0	0		
December Total	-	-	-	**38,377**	**monthy rolling**

January Production	Kiln #3 (tons)	Kiln #4 (tons)	Total		
1/1/2020	0	0	0		
1/2/2020	0	0	0		
1/3/2020	0	0	0		
1/4/2020	0	0	0		
1/5/2020	0	0	0		
1/6/2020	0	0	0		
1/7/2020	0	0	0		
1/8/2020	0	0	0		
1/9/2020	0	0	0		
1/10/2020	0	0	0		
1/11/2020	0	0	0		
1/12/2020	0	0	0		
1/13/2020	0	0	0		
1/14/2020	0	0	0		
1/15/2020	0	0	0		
1/16/2020	0	0	0		
1/17/2020	0	0	0		
1/18/2020	0	0	0		
1/19/2020	0	0	0		
1/20/2020	0	0	0		
1/21/2020	0	0	0		
1/22/2020	0	0	0		
1/23/2020	0	0	0		
1/24/2020	0	0	0		
1/25/2020	0	0	0		
1/26/2020	0	0	0		
1/27/2020	0	0	0		
1/28/2020	0	0	0		
1/29/2020	0	0	0		
1/30/2020	0	0	0		
1/31/2020	0	0	0		
January Total	-	-	-	**27,627**	**monthy rolling**

February Productio	Kiln #3 (tons)	Kiln #4 (tons)	Total
2/1/2020	0	0	0
2/2/2020	0	0	0
2/3/2020	0	0	0
2/4/2020	0	0	0
2/5/2020	0	0	0
2/6/2020	0	0	0
2/7/2020	0	0	0
2/8/2020	0	0	0
2/9/2020	0	0	0
2/10/2020	0	0	0
2/11/2020	0	0	0
2/12/2020	0	0	0
2/13/2020	0	0	0
2/14/2020	0	0	0
2/15/2020	0	0	0
2/16/2020	0	0	0
2/17/2020	0	0	0
2/18/2020	0	0	0
2/19/2020	0	0	0
2/20/2020	0	0	0
2/21/2020	0	0	0
2/22/2020	0	0	0
2/23/2020	0	0	0
2/24/2020	0	0	0
2/25/2020	0	0	0
2/26/2020	0	0	0
2/27/2020	0	0	0
2/28/2020	0	0	0
	0	0	0
February Total	-	-	-

19,178 **monthy rolling**

March Production	Kiln #3 (tons)	Kiln #4 (tons)	Total	
3/1/2020	0	0	0	
3/2/2020	0	0	0	
3/3/2020	0	0	0	
3/4/2020	0	0	0	
3/5/2020	0	0	0	
3/6/2020	0	0	0	
3/7/2020	0	0	0	
3/8/2020	0	0	0	
3/9/2020	0	0	0	
3/10/2020	0	0	0	
3/11/2020	0	0	0	
3/12/2020	0	0	0	
3/13/2020	0	0	0	
3/14/2020	0	0	0	
3/15/2020	0	0	0	
3/16/2020	0	0	0	
3/17/2020	0	0	0	
3/18/2020	0	0	0	
3/19/2020	0	0	0	
3/20/2020	0	0	0	
3/21/2020	0	0	0	
3/22/2020	0	0	0	
3/23/2020	0	0	0	
3/24/2020	0	0	0	
3/25/2020	0	0	0	
3/26/2020	0	0	0	
3/27/2020	0	0	0	
3/28/2020	0	0	0	
3/29/2020	0	0	0	
3/30/2020	0	0	0	**12,341 monthy rolling**
3/31/2020	0	0	0	
March Total	-	-	-	Yearly total

12,341 Yearly total

APPENDIX B

PO0036PC2 Condition #1

Natural Gas Consumption

Daily & Monthly Natural Gas Useage

March Production	Kiln #3 mcf	Kiln #4 mcf	Main Gas
4/1/2019	530	2	532
4/2/2019	0	639	639
4/3/2019	0	710	710
4/4/2019	457	708	1165
4/5/2019	722	207	929
4/6/2019	768	0	768
4/7/2019	704	623	1327
4/8/2019	725	699	1424
4/9/2019	354	490	844
4/10/2019	457	573	1030
4/11/2019	0	0	0
4/12/2019	857	941	1798
4/13/2019	720	748	1468
4/14/2019	781	793	1574
4/15/2019	713	653	1366
4/16/2019	766	654	1420
4/17/2019	487	614	1101
4/18/2019	601	504	1105
4/19/2019	743	654	1397
4/20/2019	756	748	1504
4/21/2019	722	785	1507
4/22/2019	764	765	1529
4/23/2019	756	746	1502
4/24/2019	758	791	1549
4/25/2019	746	785	1531
4/26/2019	722	722	1444
4/27/2019	716	754	1470
4/28/2019	700	714	1414
4/29/2019	727	743	1470
4/30/2019	741	668	1409
	0	0	0
	18,493	18,433	36,926

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
5/1/2019	758	728	1486
5/2/2019	741	744	1485
5/3/2019	764	629	1393
5/4/2019	665	691	1356
5/5/2019	792	705	1497
5/6/2019	767	710	1477
5/7/2019	744	499	1243
5/8/2019	336	718	1054
5/9/2019	88	730	818
5/10/2019	546	735	1281
5/11/2019	773	720	1493
5/12/2019	652	718	1370
5/13/2019	519	781	1300
5/14/2019	705	782	1487
5/15/2019	808	820	1628
5/16/2019	603	683	1286
5/17/2019	443	443	886
5/18/2019	778	831	1609
5/19/2019	809	507	1316
5/20/2019	629	649	1278
5/21/2019	817	605	1422
5/22/2019	808	446	1254
5/23/2019	638	83	721
5/24/2019	303	48	351
5/25/2019	549	220	769
5/26/2019	759	503	1262
5/27/2019	504	0	504
5/28/2019	974	0	974
5/29/2019	696	322	1018
5/30/2019	772	547	1319
5/31/2019	764	486	1250

	20,504	17,083	37,587
	Kiln #3 mcf	**Kiln #4 mcf**	**Main Gas**
6/1/2019	745	409	1154
6/2/2019	772	227	999
6/3/2019	338	384	722
6/4/2019	459	590	1049
6/5/2019	449	676	1125
6/6/2019	586	668	1254
6/7/2019	586	668	1254
6/8/2019	712	736	1448
6/9/2019	790	689	1479
6/10/2019	600	629	1229
6/11/2019	601	448	1049
6/12/2019	301	748	1049
6/13/2019	721	732	1453
6/14/2019	713	474	1187
6/15/2019	735	634	1369
6/16/2019	826	755	1581
6/17/2019	789	694	1483
6/18/2019	783	427	1210
6/19/2019	765	698	1463
6/20/2019	721	736	1457
6/21/2019	785	658	1443
6/22/2019	781	732	1513
6/23/2019	816	720	1536
6/24/2019	790	764	1554
6/25/2019	794	711	1505
6/26/2019	781	659	1440
6/27/2019	795	759	1554
6/28/2019	703	708	1411
6/29/2019	754	708	1462
6/30/2019	706	756	1462
	0	0	0
	20,697	19,197	39,894

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
7/1/2019	756	644	1400
7/2/2019	172	801	973
7/3/2019	561	783	1344
7/4/2019	810	746	1556
7/5/2019	427	521	948
7/6/2019	782	743	1525
7/7/2019	757	739	1496
7/8/2019	782	752	1534
7/9/2019	768	747	1515
7/10/2019	407	623	1030
7/11/2019	779	712	1491
7/12/2019	737	726	1463
7/13/2019	775	715	1490
7/14/2019	771	707	1478
7/15/2019	762	692	1454
7/16/2019	743	697	1440
7/17/2019	440	716	1156
7/18/2019	412	709	1121
7/19/2019	747	716	1463
7/20/2019	774	736	1510
7/21/2019	770	728	1498
7/22/2019	786	566	1352
7/23/2019	766	724	1490
7/24/2019	749	615	1364
7/25/2019	713	665	1378
7/26/2019	461	682	1143
7/27/2019	773	464	1237
7/28/2019	245	133	378
7/29/2019	0	0	0
7/30/2019	0	0	0
7/31/2019	0	0	0

	18,425	18,802	37,227
	Kiln #3 mcf	**Kiln #4 mcf**	**Main Gas**
8/1/2019	0	0	0
8/2/2019	0	0	0
8/3/2019	0	0	0
8/4/2019	0	0	0
8/5/2019	0	0	0
8/6/2019	57	489	546
8/7/2019	8	675	683
8/8/2019	0	739	739
8/9/2019	43	726	769
8/10/2019	678	737	1415
8/11/2019	755	734	1489
8/12/2019	766	727	1493
8/13/2019	783	745	1528
8/14/2019	781	540	1321
8/15/2019	525	769	1294
8/16/2019	850	733	1583
8/17/2019	702	784	1486
8/18/2019	771	801	1572
8/19/2019	786	797	1583
8/20/2019	722	602	1324
8/21/2019	0	877	877
8/22/2019	0	765	765
8/23/2019	0	765	765
8/24/2019	125	750	875
8/25/2019	786	519	1305
8/26/2019	736	0	736
8/27/2019	441	212	653
8/28/2019	763	309	1072
8/29/2019	506	298	804
8/30/2019	761	454	1215
8/31/2019	806	756	1562
	13,151	16,303	29,454

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
9/1/2019	759	711	1470
9/2/2019	594	575	1169
9/3/2019	753	727	1480
9/4/2019	692	577	1269
9/5/2019	747	753	1500
9/6/2019	747	742	1489
9/7/2019	700	674	1374
9/8/2019	699	706	1405
9/9/2019	778	704	1482
9/10/2019	797	730	1527
9/11/2019	796	733	1529
9/12/2019	761	756	1517
9/13/2019	542	663	1205
9/14/2019	758	751	1509
9/15/2019	618	743	1361
9/16/2019	254	783	1037
9/17/2019	0	780	780
9/18/2019	0	751	751
9/19/2019	0	724	724
9/20/2019	0	457	457
9/21/2019	0	834	834
9/22/2019	93	812	905
9/23/2019	580	824	1404
9/24/2019	743	832	1575
9/25/2019	407	818	1225
9/26/2019	478	610	1088
9/27/2019	667	762	1429
9/28/2019	696	813	1509
9/29/2019	580	766	1346
9/30/2019	6	205	211
	0		
	15,245	21,316	36,561

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
10/1/2019	0	835	835
10/2/2019	0	846	846
10/3/2019	0	841	841
10/4/2019	0	831	831
10/5/2019	0	834	834
10/6/2019	0	736	736
10/7/2019	0	788	788
10/8/2019	0	767	767
10/9/2019	0	765	765
10/10/2019	0	785	785
10/11/2019	0	511	511
10/12/2019	0	410	410
10/13/2019	0	815	815
10/14/2019	0	855	855
10/15/2019	0	847	847
10/16/2019	0	794	794
10/17/2019	0	300	300
10/18/2019	0	848	848
10/19/2019	0	798	798
10/20/2019	0	783	783
10/21/2019	0	715	715
10/22/2019	0	777	777
10/23/2019	0	691	691
10/24/2019	302	227	529
10/25/2019	749	0	749
10/26/2019	781	0	781
10/27/2019	798	0	798
10/28/2019	767	0	767
10/29/2019	862	0	862
10/30/2019	850	0	850
10/31/2019	800	0	800

	5,109	17,399	22,508
	Kiln #3 mcf	**Kiln #4 mcf**	**Main Gas**
11/1/2019	750	0	750
11/2/2019	658	539	1197
11/3/2019	0	827	827
11/4/2019	0	797	797
11/5/2019	0	810	810
11/6/2019	0	749	749
11/7/2019	0	824	824
11/8/2019	0	834	834
11/9/2019	0	829	829
11/10/2019	0	804	804
11/11/2019	0	802	802
11/12/2019	0	835	835
11/13/2019	0	834	834
11/14/2019	0	785	785
11/15/2019	0	220	220
11/16/2019	0	807	807
11/17/2019	0	841	841
11/18/2019	0	838	838
11/19/2019	0	725	725
11/20/2019	0	846	846
11/21/2019	0	796	796
11/22/2019	0	803	803
11/23/2019	0	790	790
11/24/2019	0	809	809
11/25/2019	0	257	257
11/26/2019	0	0	0
11/27/2019	814	935	1749
11/28/2019	805	713	1518
11/29/2019	631	682	1313
11/30/2019	131	585	716
	0	0	0
	3,789	**20,916**	**24,705**

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
12/1/2019	0	471	471
12/2/2019	0	760	760
12/3/2019	0	750	750
12/4/2019	0	762	762
12/5/2019	0	784	784
12/6/2019	0	779	779
12/7/2019	0	700	700
12/8/2019	0	724	724
12/9/2019	0	795	795
12/10/2019	0	791	791
12/11/2019	0	125	125
12/12/2019	0	778	778
12/13/2019	0	868	868
12/14/2019	0	888	888
12/15/2019	0	891	891
12/16/2019	0	816	816
12/17/2019	140	845	985
12/18/2019	337	588	925
12/19/2019	817	860	1677
12/20/2019	737	624	1361
12/21/2019	807	752	1559
12/22/2019	817	410	1227
12/23/2019	622	730	1352
12/24/2019	707	719	1426
12/25/2019	476	658	1134
12/26/2019	435	705	1140
12/27/2019	192	671	863
12/28/2019	45	497	542
12/29/2019	636	759	1395
12/30/2019	609	750	1359
12/31/2019	484	464	948

	7,861	21,243	29,104
	Kiln #3 mcf	Kiln #4 mcf	Main Gas
1/1/2020	621	751	1372
1/2/2020	510	758	1268
1/3/2020	604	753	1357
1/4/2020	737	720	1457
1/5/2020	799	724	1523
1/6/2020	767	725	1492
1/7/2020	763	738	1501
1/8/2020	809	755	1564
1/9/2020	816	764	1580
1/10/2020	799	233	1032
1/11/2020	807	801	1608
1/12/2020	738	760	1498
1/13/2020	819	772	1591
1/14/2020	386	765	1151
1/15/2020	0	853	853
1/16/2020	0	826	826
1/17/2020	0	883	883
1/18/2020	0	822	822
1/19/2020	679	0	679
1/20/2020	661	0	661
1/21/2020	863	0	863
1/22/2020	827	0	827
1/23/2020	415	0	415
1/24/2020	848	0	848
1/25/2020	852	0	852
1/26/2020	841	0	841
1/27/2020	844	0	844
1/28/2020	840	0	840
1/29/2020	863	0	863
1/30/2020	848	0	848
1/31/2020	869	0	869
	20,225	**13,403**	**33,628**

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
2/1/2020	842	0	842
2/2/2020	854	0	854
2/3/2020	878	0	878
2/4/2020	805	0	805
2/5/2020	739	0	739
2/6/2020	864	0	864
2/7/2020	841	0	841
2/8/2020	864	0	864
2/9/2020	847	0	847
2/10/2020	880	0	880
2/11/2020	840	0	840
2/12/2020	849	0	849
2/13/2020	847	0	847
2/14/2020	835	0	835
2/15/2020	863	0	863
2/16/2020	857	0	857
2/17/2020	838	0	838
2/18/2020	824	0	824
2/19/2020	713	0	713
2/20/2020	908	0	908
2/21/2020	713	869	1582
2/22/2020	738	902	1640
2/23/2020	749	898	1647
2/24/2020	704	857	1561
2/25/2020	670	813	1483
2/26/2020	639	479	1118
2/27/2020	660	639	1299
2/28/2020	662	765	1427
2/29/2020	689	780	1469
	0	0	0
	0	0	0
	23,012	**7,002**	**30,014**

	Kiln #3 mcf	Kiln #4 mcf	Main Gas
3/1/2020	693	793	1486
3/2/2020	700	611	1311
3/3/2020	649	713	1362
3/4/2020	747	810	1557
3/5/2020	486	541	1027
3/6/2020	851	966	1817
3/7/2020	735	859	1594
3/8/2020	570	590	1160
3/9/2020	650	690	1340
3/10/2020	0	461	461
3/11/2020	0	568	568
3/12/2020	290	568	858
3/13/2020	907	0	907
3/14/2020	530	743	1273
3/15/2020	488	407	895
3/16/2020	88	343	431
3/17/2020	877	769	1646
3/18/2020	678	715	1393
3/19/2020	726	671	1397
3/20/2020	696	495	1191
3/21/2020	491	113	604
3/22/2020	0	971	971
3/23/2020	0	720	720
3/24/2020	0	720	720
3/25/2020	0	794	794
3/26/2020	0	660	660
3/27/2020	223	703	926
3/28/2020	0	724	724
3/29/2020	0	715	715
3/30/2020	0	635	635
3/31/2020	0	660	660
	12,075	**19,728**	**31,803**

APPENDIX C

PO00036PC5 Condition #5 and #6

Bio-diesel Supply and Delivery Data

Bio Diesel and Red Dye Diesel Received f

			Bio B-99 Only	Red Dye Diesel Only
	Date Received	Gallons	Raw Tank	Mobile Equipment Tank
Jan-19	1/2/2019		6,992	
Total			6,992	
Feb-19	7-Feb		6,941	
Total			6,941	
Mar-19	1-Mar			6,732
Total				6,732
Apr-19	17-Apr			6,705
	24-Apr		6,949	
Total			6,949	6,705
May-19	16-May			6,698
	31-May		6,956	
Total			6,956	6,698
Jun-19	28-Jun			5,943
Total				5,943
Jul-19	15-Jul		6,411	
Total			6,411	
Aug-19	13-Aug			6,585
	27-Aug		6,805	
Total			6,805	6,585
Sep-19	20-Sep			6,599
Total				6,599
Oct-19	23-Oct		6,997	
	24-Oct			6,697
Total			6,997	6,697
Nov-19	26-Nov			560
Total				560
Dec-19			6,509	
Dec-19				6,976
Total			6,509	6,976
	Yearly Total	Biodiesel	54,560	
	Yearly Total	Red diesel	53,495	

Biosoy and Red Dye Diesel Received for 2020

#2 red &
Bio Diesel

			Bio B-99 Only	Red Dye Diesel Only
	Date Received	Gallons	Raw Tank	Mobile Equipment Tank
Feb-20	6-Feb		7,000	
Feb-20	27-Feb		7,000	6,786
Mar-20	27-Mar		6,980	
			6,980	
Apr-20	2-Apr			6,792
				6,792

Yearly Total Biodiesel 13,980
Yearly Total Red diesel 13,578

REG Renewable Energy Group	Biodiesel Tank Report	Page 1 of 1

Reference Number: 326-90005-190510-T18	**Report Date:** May 10, 2019
Product Type: B99.9	**Maxum**

ASTM D6751 Biodiesel Report

Test Parameter		Result[1]	ASTM Limit	Units	Test Method (current revision)
Cloud point:		5°C *(41°F)*	Report	°C	D2500
Free Glycerin:		0.006	0.020, max	% mass	D6584
Total Glycerin		0.047	0.240, max	% mass	D6584
Monoglycerides:		0.158	N/A	% mass	D6584
Diglycerides:		0.004	N/A	% mass	D6584
Triglycerides:		0.000	N/A	% mass	D6584
Water & Sediment:		< 0.01	0.050, max	% volume	D2709
Acid Number:		0.24	0.50, max	mg KOH/g	D664
Relative Density @ 60°F:		0.8830	N/A	N/A	D1298
Visual Inspection:		1 @ 70°F	N/A	Haze rating	D4176, Procedure 2
Oxidation Stability (110 °C):		10.9***	3, min	hrs	*EN 15751*
Flash point (closed cup):		173	93, min	°C	D93
Alcohol Control	Methanol Content	n/a	0.2, max	% volume	*EN 14110*
	Flashpoint	173	130, min	°C	D93
Moisture:		0.015	N/A	% mass	E203
Cold Soak Filtration:		116***	360	seconds	D7501
Sulfur:		3.5	15	ppm	D5453
Sodium & Potassium Combined:		< 1.0	5, max	ppm (µg/g)	*EN 14538*
Calcium & Magnesium Combined:		< 1.0	5, max	ppm (µg/g)	*EN 14538*
Phosphorus:		<0.001	0.001, max	% mass	D4951
Carbon Residue:		<0.010	0.050, max	% mass	D4530
Sulfated Ash:		0.005	0.020, max	% mass	D874
Kinematic Viscosity at 40 °C:		4.276	1.9-6.0	$mm^2/sec.$	D445
Copper Corrosion (3 hrs at 50 °C):		1A	No. 3, max	N/A	D130
Distillation at 90% Recovered:		352	360, max	°C	D1160
Cetane Number:		53.1	47, min	N/A	D613

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

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

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

Prepared by: Kelsey L. Erickson (Name) — REG Ames (Location) — May 10, 2019 (Date)

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

NATX 252356

REG Renewable Energy Group	Biodiesel Certificate of Analysis FM.LAB.001a Biodiesel Certificate of Analysis-REG 20151130	BQ-9000 Producer

Lot Number:	710-90001-190801-T26	**Product Type:**	REG-9000/1
Inlet Seal Number:	275803	**OS:**	E

ASTM D6751 Analysis of REG-9000® Biodiesel

Property		Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:		-1.5 *(29)*	Report	Report	°C *(°F)*	D7397
Free Glycerin:		0.007	0.020, max	0.014	% mass	D6584
Total Glycerin:		0.037	0.240, max	0.16	% mass	D6584
Monoglycerides[1]:		0.116	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:		0.21	0.50, max	0.40	mg KOH/g	D664
Visual Inspection[1]:		1 @ 79.8°F	N/A	1	Haze rating	D4176, Procedure 2
Relative Density at 60°F[1]:		0.8825	N/A	0.87 – 0.89	N/A	D1298
Oxidation Stability (110 °C):		11.4	3, min	6.0	hrs	*EN 15751*
Flash point (closed cup):		185.0	93, min	93	°C	D93
Alcohol Control	**Option 1: Methanol**	N/A	0.2, max	0.2	% mass	*EN 14110*
	Option 2: Flashpoint	185.0	130, min	130	°C	D93
Moisture[1]:		0.027	N/A	0.040, max	% mass	E203
Cold Soak Filtration:		90	360	200	seconds	D7501
Sulfur:		2.5	15	15	ppm (mg/kg)	D7039
Sodium & Potassium Combined:		0.1 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Calcium & Magnesium Combined:		0.0 *	5, max	1.5	ppm (mg/kg)	*EN 14538*
Total Contamination[1]:		0.9 *	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:		4.031 *	1.9-6.0	3.8 – 5.0	$mm^2/sec.$	D445
Copper Corrosion (3 hrs at 50 °C):		1a *	No. 3, max	No. 1a	N/A	D130
Distillation at 90% Recovered:		350 *	360, max	360	°C	D1160
Cetane Number:		48.3 *	47, min	47	N/A	D613

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

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

Prepared by: Carrie Rahn Lab Technician/ REG Albert Lea,LLC 8/2/2019

Name Title Location Date

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

Biodiesel Certificate of Analysis

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

BQ-9000 Producer

Lot Number:	711-90005-191007-T4	**Product Type:**	REG-9000/5
Inlet Seal Number:	286949	**OS:**	E

ASTM D6751 Analysis of REG-9000® Biodiesel

Property		Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:		6.3 *(43)*	Report	Report	**°C** *(°F)*	D7397
Free Glycerin:		0.007	0.020, max	0.014	**% mass**	D6584
Total Glycerin:		0.033	0.240, max	0.16	**% mass**	D6584
Monoglycerides[1]:		0.101	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:		0.12	0.50, max	0.40	**mg KOH/g**	D664
Visual Inspection[1]:		1 @ 76.6°F	N/A	1	**Haze rating**	D4176, Procedure 2
Relative Density at 60°F[1]:		0.8770	N/A	0.87 – 0.89	**N/A**	D1298
Oxidation Stability (110 °C):		16.7	3, min	6.0	**hrs**	*EN 15751*
Flash point (closed cup):		176.5	93, min	93	**°C**	D93
Alcohol Control	**Option 1: Methanol**	N/A	0.2, max	0.2	**% mass**	*EN 14110*
	Option 2: Flashpoint	176.5	130, min	130	**°C**	D93
Moisture[1]:		0.012	N/A	0.040, max	**% mass**	E203
Cold Soak Filtration:		94	360	200	**seconds**	D7501
Sulfur:		1.6	15	15	**ppm (mg/kg)**	D7039
Sodium & Potassium Combined:		0.2 *	5, max	1.5	**ppm (mg/kg)**	*EN 14538*
Calcium & Magnesium Combined:		0.1 *	5, max	1.5	**ppm (mg/kg)**	*EN 14538*
Total Contamination[1]:		0.6 *	N/A	15,max	**mg/L**	D7321
Ester Content[1]:		99.6 *	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:		4.128 *	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:		53.1 *	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: SARA PENNING LAB TECHNICIAN REG Newton, LLC 10/08/2019

Name Title Location Date

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

REG Renewable Energy Group	Biodiesel Certificate of Analysis FM.LAB.001g Biodiesel Certificate of Analysis-REG CSFBT 20171207	BQ-9000 Producer

Lot Number:	710-90001-200301-T26	**Product Type:**	REG-9000/1
Inlet Seal Number:	275753	**OS:**	D

ASTM D6751 Analysis of REG-9000® Biodiesel

Property		Value	ASTM D6751 Limit	REG-9000® Limit	Units	Test Method (current revision)
Cloud point:		-0.7 (32)	Report	Report	°C (°F)	D7397
Free Glycerin:		0.006	0.020, max	0.014	% mass	D6584
Total Glycerin:		0.015	0.240, max	0.16	% mass	D6584
Monoglycerides[1]:		0.037	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:		0.21	0.50, max	0.40	mg KOH/g	D664
Visual Inspection[1]:		1 @ 76.8°F	N/A	1	Haze rating	D4176, Procedure 2
Relative Density at 60°F[1]:		0.8813	N/A	0.87 – 0.89	N/A	D1298
Oxidation Stability (110 °C):		9.8	3, min	6.0	hrs	*EN 15751*
Flash point (closed cup):		177.0	93, min	93	°C	D93
Alcohol Control	**Option 1: Methanol**	N/A	0.2, max	0.2	% mass	*EN 14110*
	Option 2: Flashpoint	177.0	130, min	130	°C	D93
Moisture[1]:		0.008	N/A	0.040, max	% mass	E203
Cold Soak Filtration:		79	360	200	seconds	D7501
Cold Soak Filter Blocking Tendency[1]:		1.0	N/A	Report	N/A	CAN/CGSB-3.0 No. 142.0
Sulfur:		2.2	15	15	ppm (mg/kg)	D7039
Sodium & Potassium Combined:		0.1	5, max	1.5	ppm (mg/kg)	*EN 14538*
Calcium & Magnesium Combined:		0.1	5, max	1.5	ppm (mg/kg)	*EN 14538*
Total Contamination[1]:		1.2 *	N/A	15, max	mg/L	D7321
Ester Content[1]:		97.9 *	N/A	97, min	% mass	*EN 14103*
Phosphorus:		0.0000 *	0.001, max	0.001	% mass	D4951
Carbon Residue:		0.005 *	0.050, max	0.050	% mass	D4530
Sulfated Ash:		0.005 *	0.020, max	0.020	% mass	D874
Kinematic Viscosity at 40 °C:		4.038 *	1.9-6.0	3.8 – 5.0	$mm^2/sec.$	D445
Copper Corrosion (3 hrs at 50 °C):		1a *	No. 3, max	No. 1a	N/A	D130
Distillation at 90% Recovered:		350 *	360, max	360	°C	D1160
Cetane Number:		48.6 *	47, min	47	N/A	D613

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

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

Prepared by: Kim Williams Lab Supervisor I / REG Albert Lea,LLC 3/06/2020 Rev 1

Name Title Location Date

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

APPENDIX D

PO00036PC6

Finished Product Moisture Data

Arcosa Frazier Park

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

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

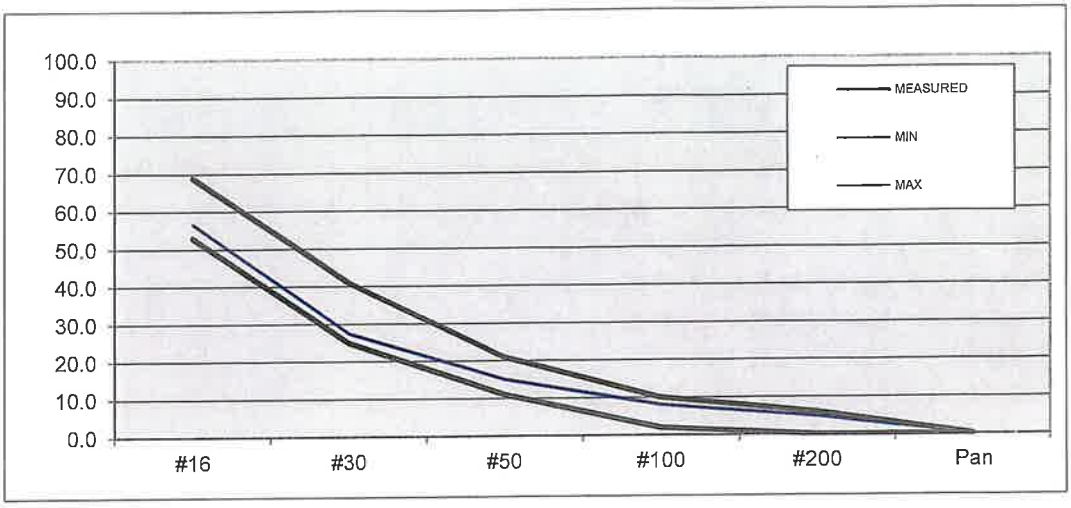
Ticket # Title 5

Sampler JJ

Date: 04/23/19

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	45.0	7.8	92.2	96.0	90.0
#16	250.0	43.3	56.7	69.0	53.0
#30	419.0	72.5	27.5	41.0	25.0
#50	491.0	84.9	15.1	21.0	11.0
#100	531.0	91.9	8.1	10.0	2.0
#200	550.0	95.2	4.8	6.0	0.0
Pan	578.0	100.0	0.0	0.0	0.0

% MOISTURE	13.0
Bucket Weigh	57.5
Wet Weight	653
Dry Weight	578

Lab B/W

Arcosa Frazier Park

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

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

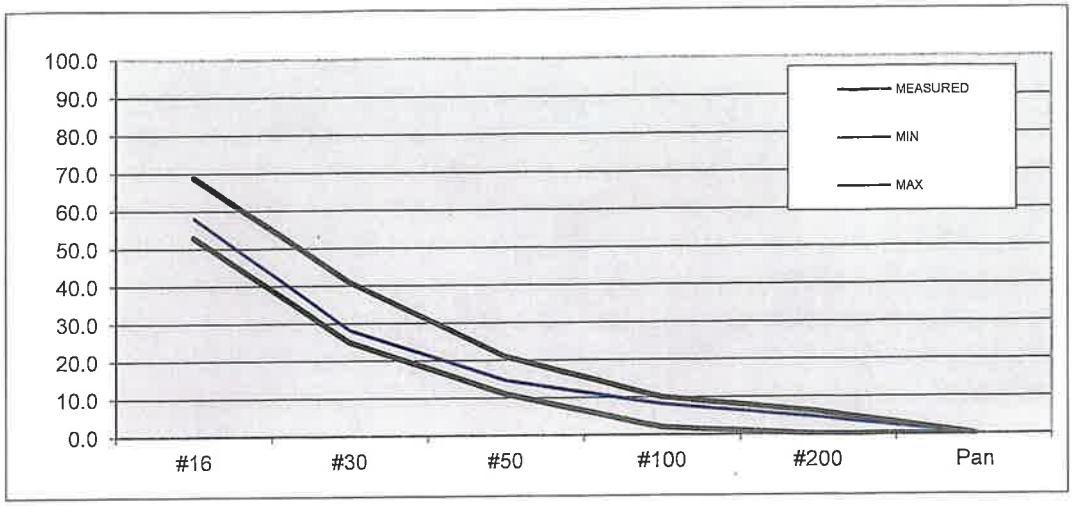
Ticket # Title 5

Sampler JJ

Date: 05/06/19

TIME:

Customer



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

% MOISTURE	12.7			
Bucket Weigh	54.8	Lab B/W	54	MB
Wet Weight	676			
Dry Weight	600			

Arcosa Frazier Park

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

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

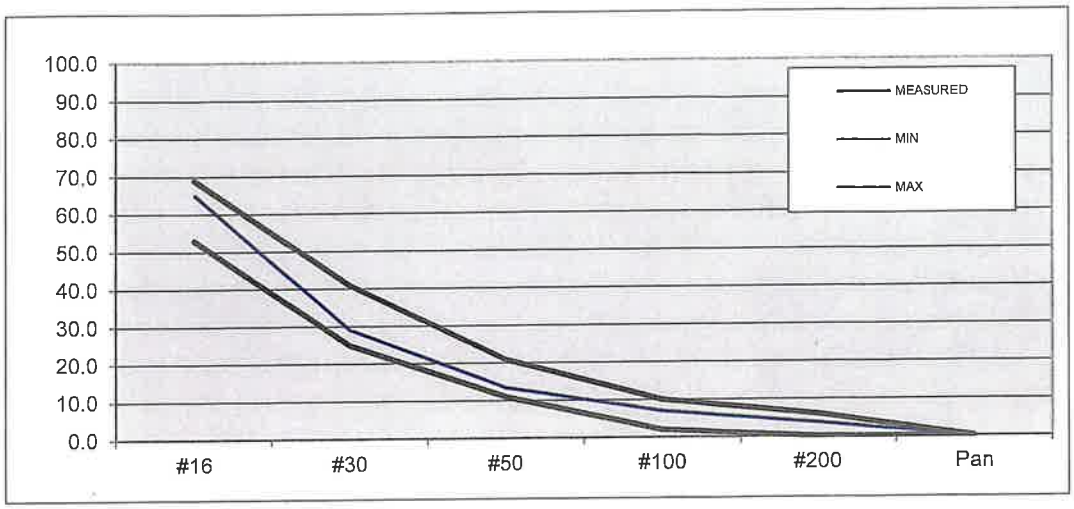
Ticket # Title 5

Sampler JJ

Date: 06/17/19

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	2.0	0.3	99.7	96.0	90.0
#16	209.0	34.8	65.2	69.0	53.0
#30	425.0	70.8	29.2	41.0	25.0
#50	519.0	86.5	13.5	21.0	11.0
#100	558.0	93.0	7.0	10.0	2.0
#200	578.0	96.3	3.7	6.0	0.0
Pan	600.0	100.0	0.0	0.0	0.0

% MOISTURE 13.0

Bucket Weigh 53.6

Wet Weight 678

Dry Weight 600

Lab B/W

Arcosa Frazier Park

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

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

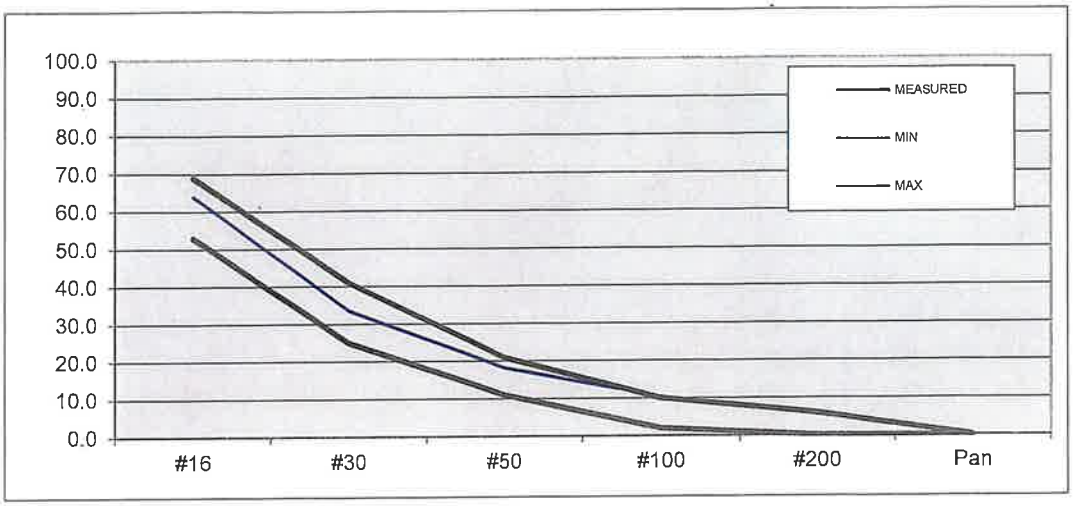
Ticket # Title 5

Sampler JJ

Date: 07/05/19

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	18.0	3.1	96.9	96.0	90.0
#16	207.0	36.0	64.0	69.0	53.0
#30	382.0	66.4	33.6	41.0	25.0
#50	470.0	81.7	18.3	21.0	11.0
#100	515.0	89.6	10.4	10.0	2.0
#200	543.0	94.4	5.6	6.0	0.0
Pan	575.0	100.0	0.0	0.0	0.0

% MOISTURE	12.7
Bucket Weigh	54.4
Wet Weight	648
Dry Weight	575

Lab B/W

Arcosa Frazier Park

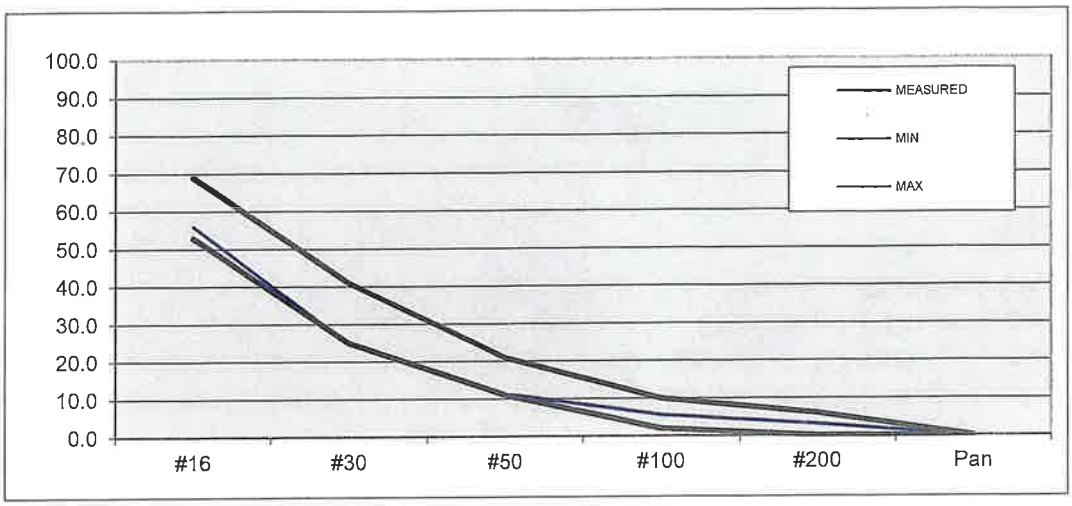
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

ASTM Light Weight Analysis **#1 Sand** **Trinity Frazier Park**

Ticket # Title 5 **Sampler** JJ

Date: 08/03/19 **TIME:**

Customer



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

% MOISTURE 12.1

Bucket Weigh 55.4 Lab B/W

Wet Weight 660

Dry Weight 589

Arcosa Frazier Park

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

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

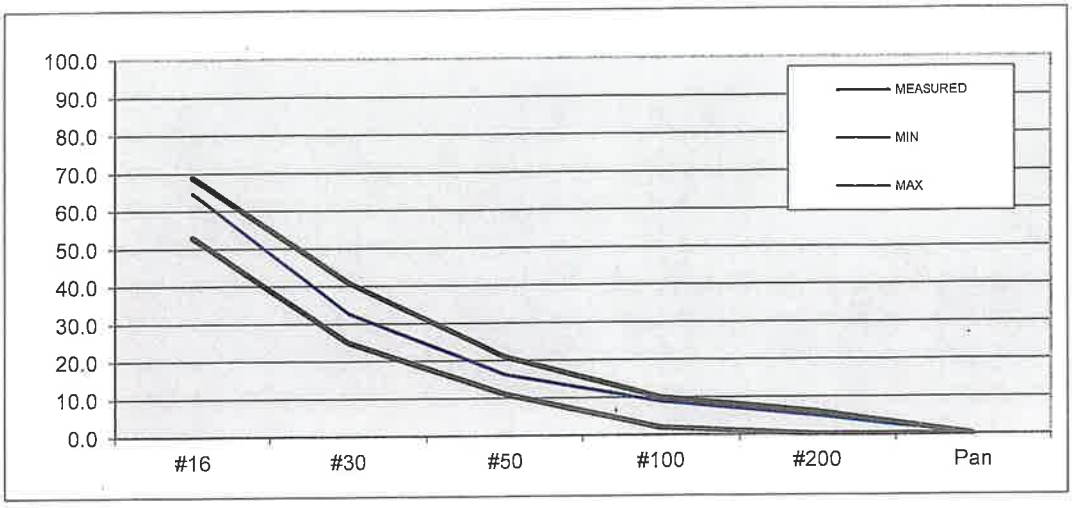
Ticket # Title 5

Sampler JJ

Date: 09/17/19

TIME: 11:30

Customer



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

% MOISTURE 15.3

Bucket Weigh 55

Wet Weight 672

Dry Weight 583

Lab B/W

Arcosa Frazier Park

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

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

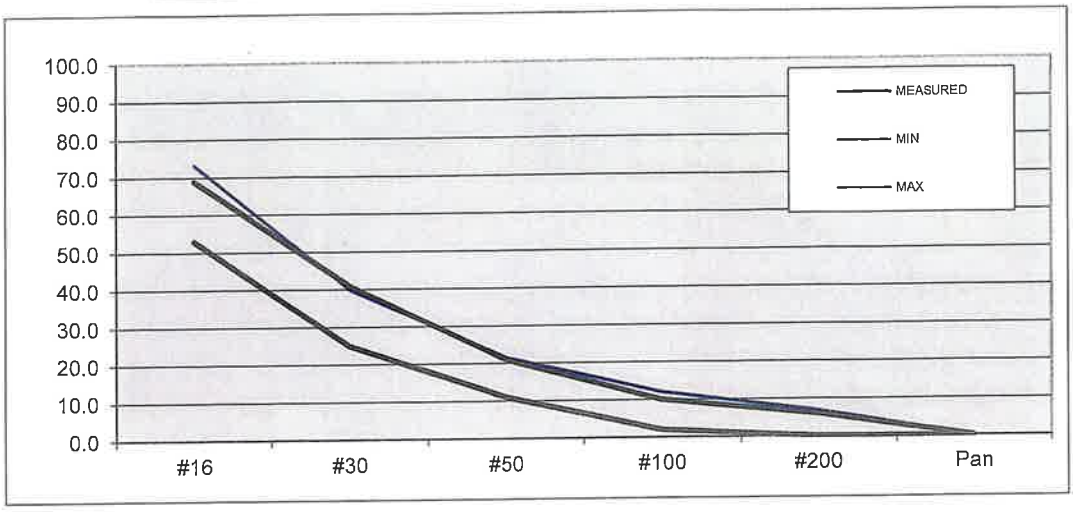
Ticket # Title 5

Sampler JJ

Date: 10/14/19

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	14.0	2.3	97.7	96.0	90.0
#16	160.0	26.7	73.3	69.0	53.0
#30	359.0	59.9	40.1	41.0	25.0
#50	470.0	78.5	21.5	21.0	11.0
#100	527.0	88.0	12.0	10.0	2.0
#200	558.0	93.2	6.8	6.0	0.0
Pan	599.0	100.0	0.0	0.0	0.0

% MOISTURE 10.5

Bucket Weigh	55
Wet Weight	662
Dry Weight	599

Lab B/W

Arcosa Frazier Park

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

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

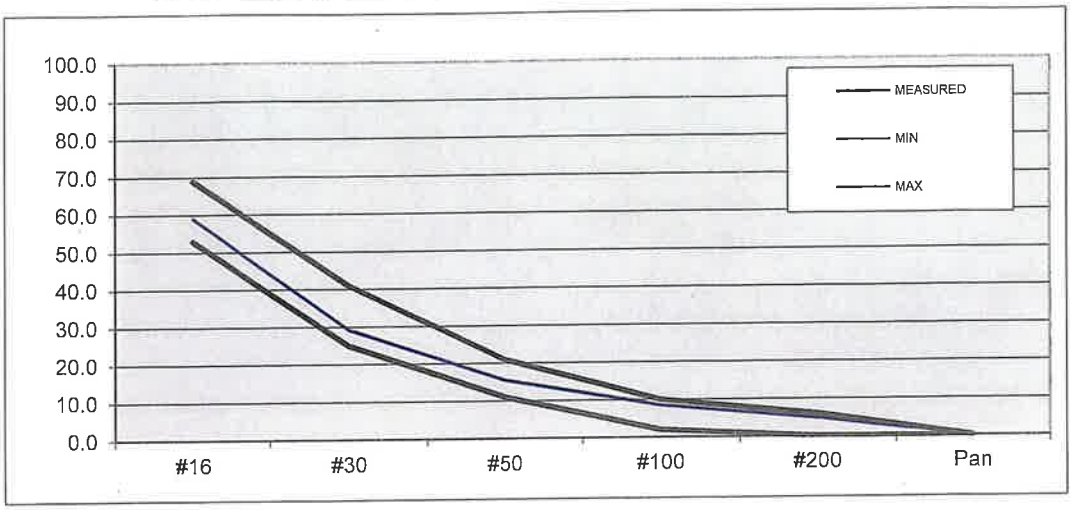
Ticket # Title 5

Sampler JJ

Date: 11/12/19

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	35.0	5.8	94.2	96.0	90.0
#16	245.0	40.9	59.1	69.0	53.0
#30	424.0	70.8	29.2	41.0	25.0
#50	506.0	84.5	15.5	21.0	11.0
#100	548.0	91.5	8.5	10.0	2.0
#200	570.0	95.2	4.8	6.0	0.0
Pan	599.0	100.0	0.0	0.0	0.0

% MOISTURE 12.5

Bucket Weigh 54.8

Wet Weight 674

Dry Weight 599

Lab B/W

Arcosa Frazier Park

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

ASTM Light Wieght Analysis #1 Sand

Trinity Frazier Park

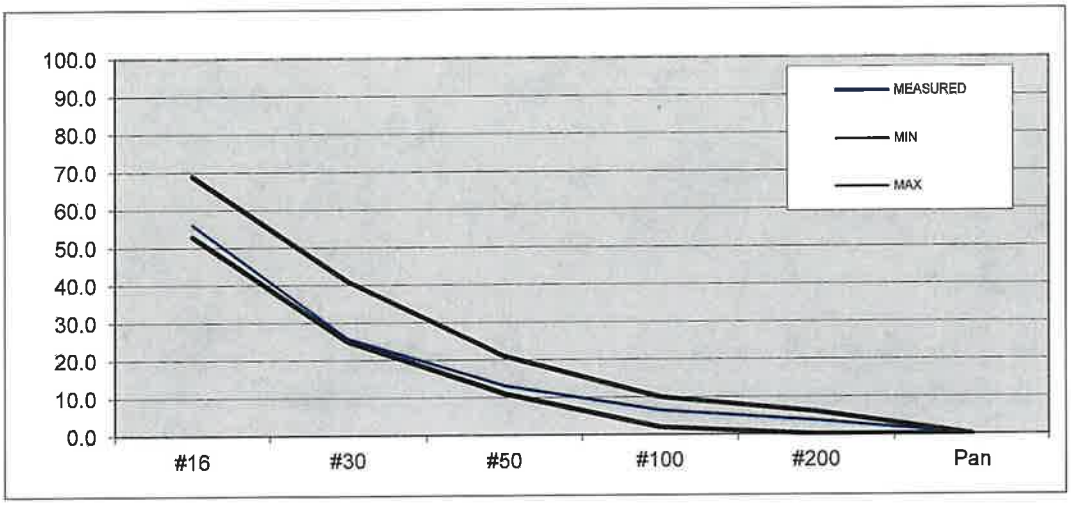
Ticket # Sand Sample

Sampler JJ

Date: 12/07/19

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	56.0	9.1	90.9	96.0	90.0
#16	271.0	43.9	56.1	69.0	53.0
#30	459.0	74.3	25.7	41.0	25.0
#50	537.0	86.9	13.1	21.0	11.0
#100	578.0	93.5	6.5	10.0	2.0
#200	595.0	96.3	3.7	6.0	0.0
Pan	618.0	100.0	0.0	0.0	0.0

% MOISTURE	8.7			
Bucket Weigh	55.6	Lab B/W	55.5	HS
Wet Weight	672			
Dry Weight	618			

Arcosa Frazier Park

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

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

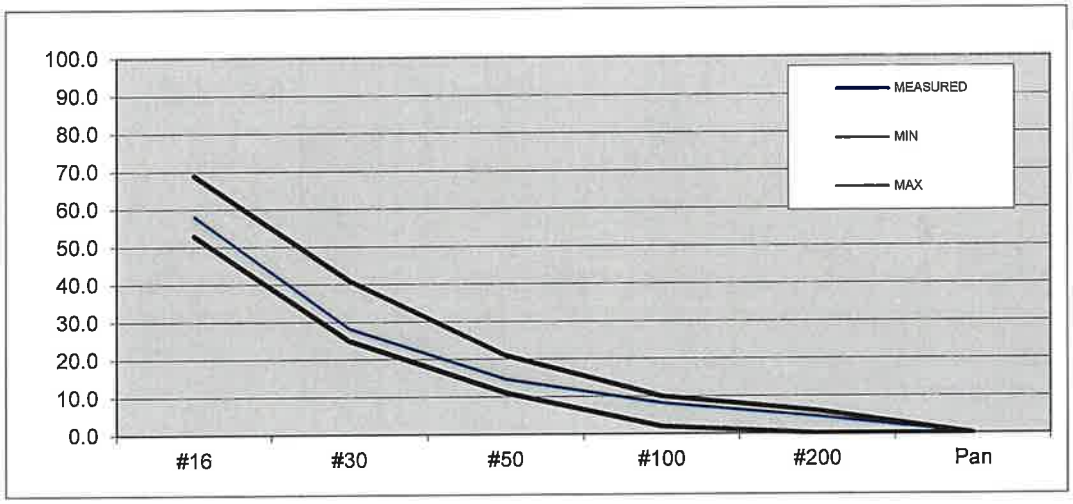
Ticket # Title 5

Sampler JJ

Date: 01/06/20

TIME:

Customer



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

% MOISTURE	12.7			
Bucket Weigh	54.8	Lab B/W	54	MB
Wet Weight	676			
Dry Weight	600			

Arcosa Frazier Park

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

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

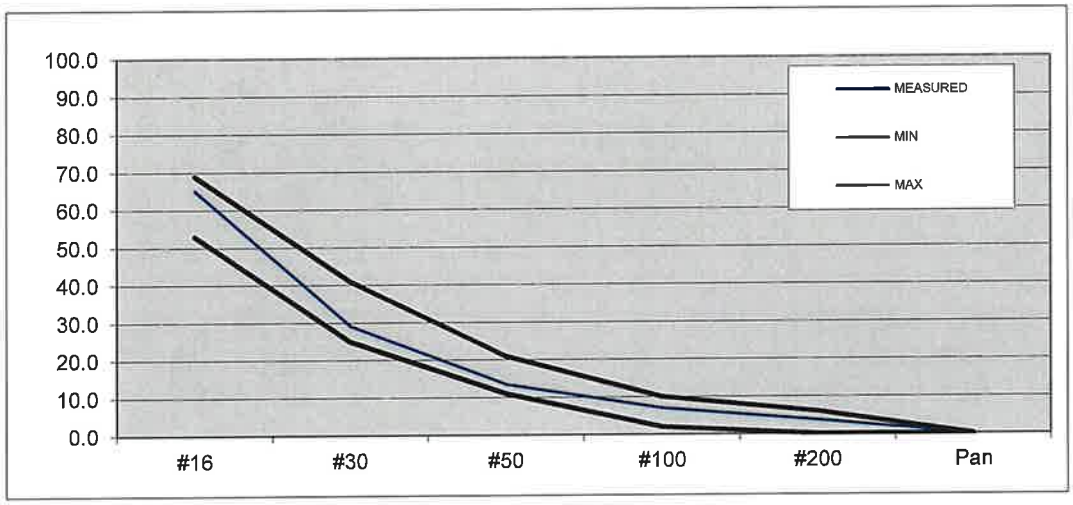
Ticket # Title 5

Sampler JJ

Date: 02/27/20

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	2.0	0.3	99.7	96.0	90.0
#16	209.0	34.8	65.2	69.0	53.0
#30	425.0	70.8	29.2	41.0	25.0
#50	519.0	86.5	13.5	21.0	11.0
#100	558.0	93.0	7.0	10.0	2.0
#200	578.0	96.3	3.7	6.0	0.0
Pan	600.0	100.0	0.0	0.0	0.0

% MOISTURE	13.0
Bucket Weigh	53.6
Wet Weight	678
Dry Weight	600

Lab B/W

Arcosa Frazier Park

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

ASTM Light Weight Analysis #1 Sand

Trinity Frazier Park

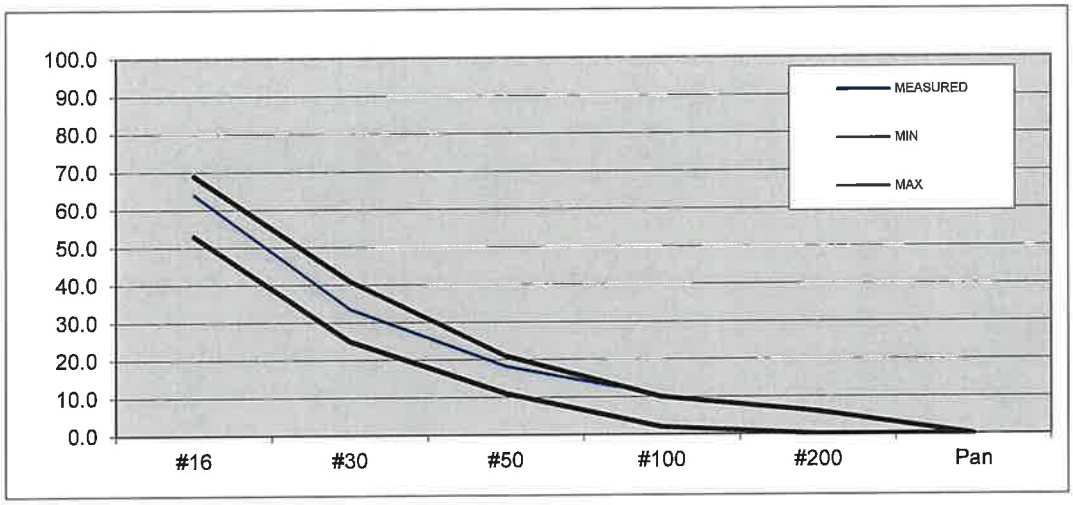
Ticket # Title 5

Sampler JJ

Date: 03/05/20

TIME:

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	0.0	0.0	100.0	100.0	100.0
#8	18.0	3.1	96.9	96.0	90.0
#16	207.0	36.0	64.0	69.0	53.0
#30	382.0	66.4	33.6	41.0	25.0
#50	470.0	81.7	18.3	21.0	11.0
#100	515.0	89.6	10.4	10.0	2.0
#200	543.0	94.4	5.6	6.0	0.0
Pan	575.0	100.0	0.0	0.0	0.0

% MOISTURE	12.7
Bucket Weigh	54.4
Wet Weight	648
Dry Weight	575

Lab B/W

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

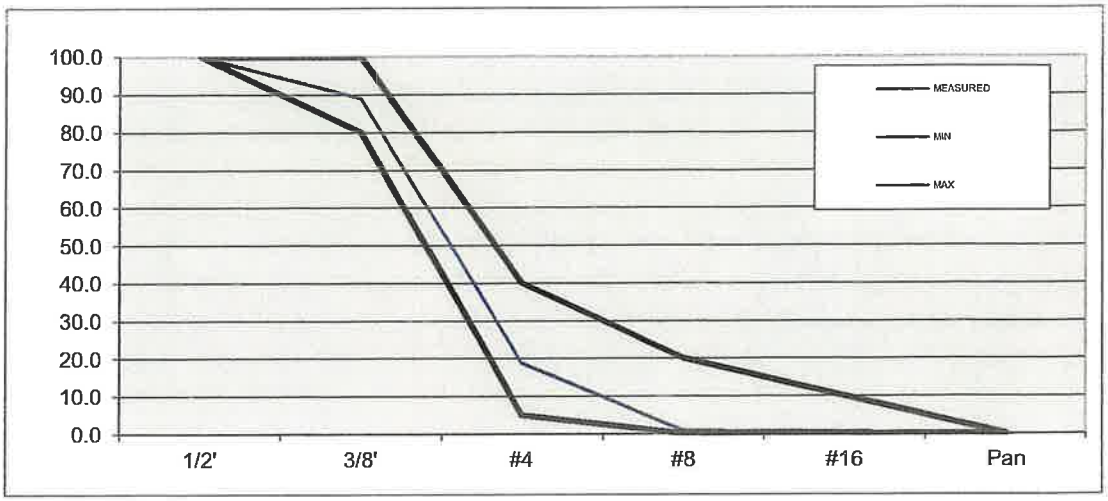
Ticket # Stacker

Sampler JJ

Date: 04/15/19

Time 12PM

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	64.0	11.0	89.0	80.0	100.0
#4	474.0	81.2	18.8	5.0	40.0
#8	579.0	99.1	0.9	0.0	20.0
#16	581.0	99.5	0.5	0.0	10.0
Pan	584.0	100.0	0.0	0.0	0.0

% MOISTURE	17.0				
Gross Weight	1675	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	45.5	Lab B/W			
Wet Weight	683				
Dry Weight	584				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

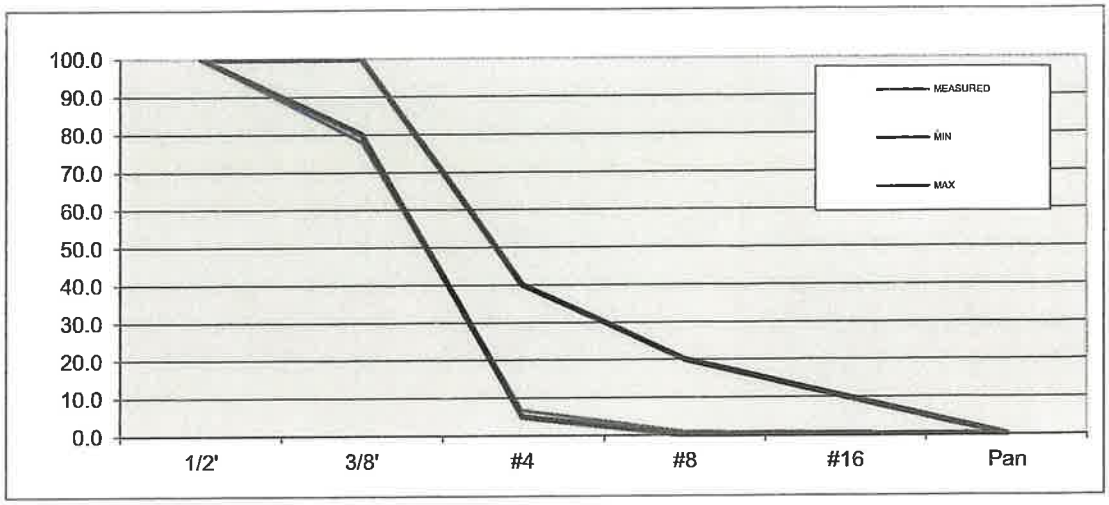
Ticket # Stacker

Sampler JJ

Date: 05/22/19

Time 7am

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	126.0	22.0	78.0	80.0	100.0
#4	536.0	93.4	6.6	5.0	40.0
#8	569.0	99.1	0.9	0.0	20.0
#16	571.0	99.5	0.5	0.0	10.0
Pan	574.0	100.0	0.0	0.0	0.0

% MOISTURE	21.3				
Gross Weight	1687	Tare Weight	1395	Sp. Gravity	1.72
Bucket Weight	52	Lab B/W			
Wet Weight	696				
Dry Weight	574				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

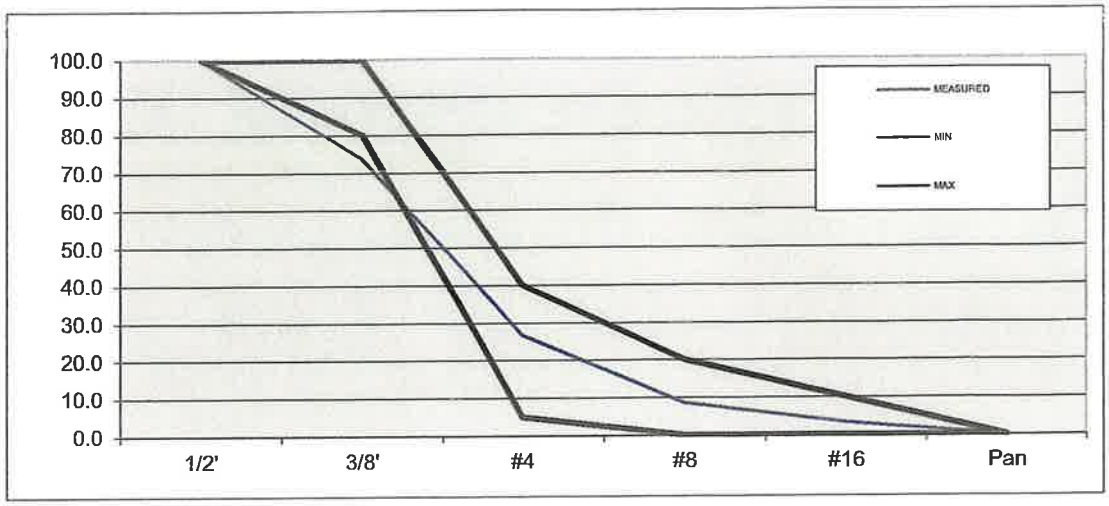
Ticket # Stacker

Sampler JJ

Date: 06/08/19

Time 10am

Customer Trinity



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	141.0	26.4	73.6	80.0	100.0
#4	392.0	73.3	26.7	5.0	40.0
#8	489.0	91.4	8.6	0.0	20.0
#16	517.0	96.6	3.4	0.0	10.0
Pan	535.0	100.0	0.0	0.0	0.0

% MOISTURE	26.4				
Gross Weight	1665	Tare Weight	1395	Sp. Gravity	1.67
Bucket Weight	47.5	Lab B/W			
Wet Weight	676				
Dry Weight	535				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

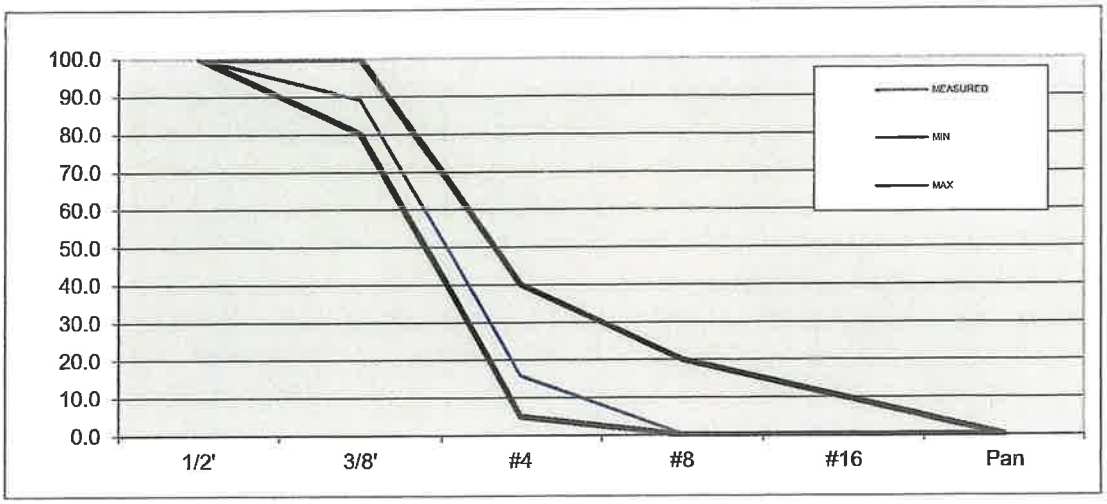
Ticket # Stacker

Sampler JJ

Date: 07/12/19

Time 12PM

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	65.0	11.0	89.0	80.0	100.0
#4	499.0	84.1	15.9	5.0	40.0
#8	591.0	99.7	0.3	0.0	20.0
#16	592.0	99.8	0.2	0.0	10.0
Pan	593.0	100.0	0.0	0.0	0.0

% MOISTURE	14.2				
Gross Weight	1668	Tare Weight	1395	Sp. Gravity	1.68
Bucket Weight	49	Lab B/W			
Wet Weight	677				
Dry Weight	593				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

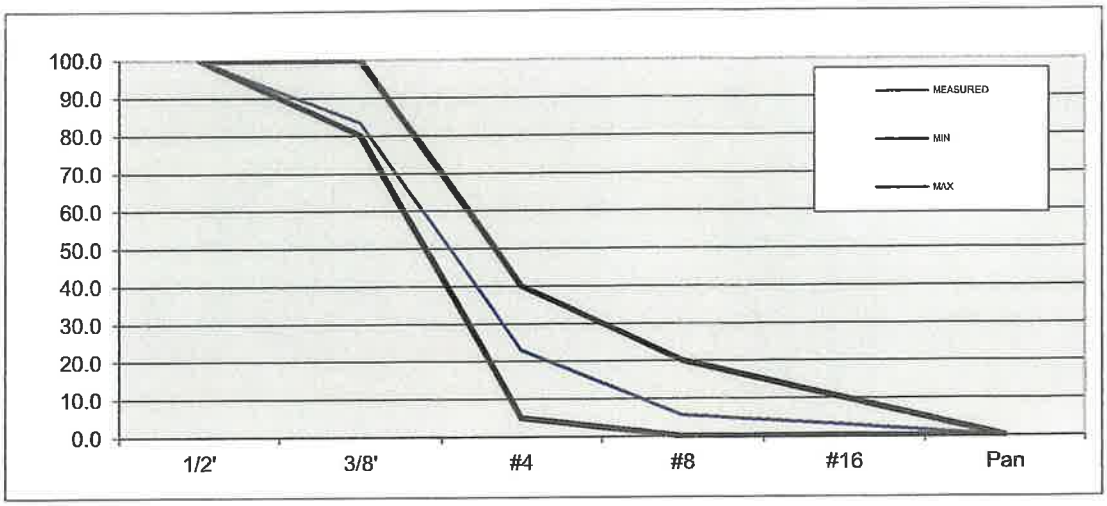
Ticket # Stacker

Sampler JJ

Date: 08/06/19

Time 8am

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	100.0	16.6	83.4	80.0	100.0
#4	465.0	77.0	23.0	5.0	40.0
#8	570.0	94.4	5.6	0.0	20.0
#16	586.0	97.0	3.0	0.0	10.0
Pan	604.0	100.0	0.0	0.0	0.0

% MOISTURE	14.6				
Gross Weight	1681	Tare Weight	1395	Sp. Gravity	1.70
Bucket Weight	49	Lab B/W			
Wet Weight	692				
Dry Weight	604				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

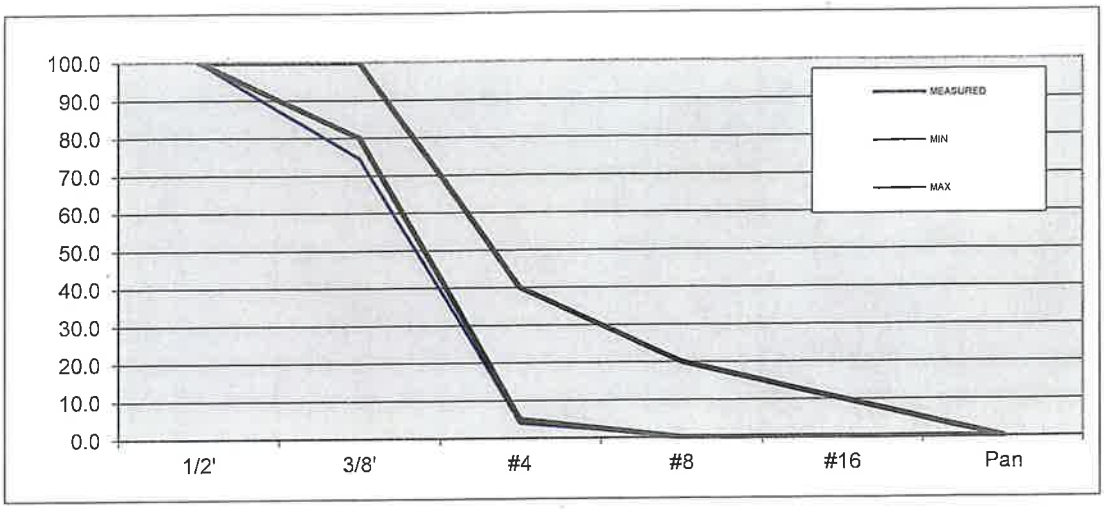
Ticket # Stacker

Sampler JJ

Date: 09/13/19

Time 2pm

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	152.0	25.4	74.6	80.0	100.0
#4	574.0	96.0	4.0	5.0	40.0
#8	596.0	99.7	0.3	0.0	20.0
#16	597.0	99.8	0.2	0.0	10.0
Pan	598.0	100.0	0.0	0.0	0.0

% MOISTURE	15.2				
Gross Weight	1678	Tare Weight	1395	Sp. Gravity	1.70
Bucket Weight	45.5	Lab B/W			
Wet Weight	689				
Dry Weight	598				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

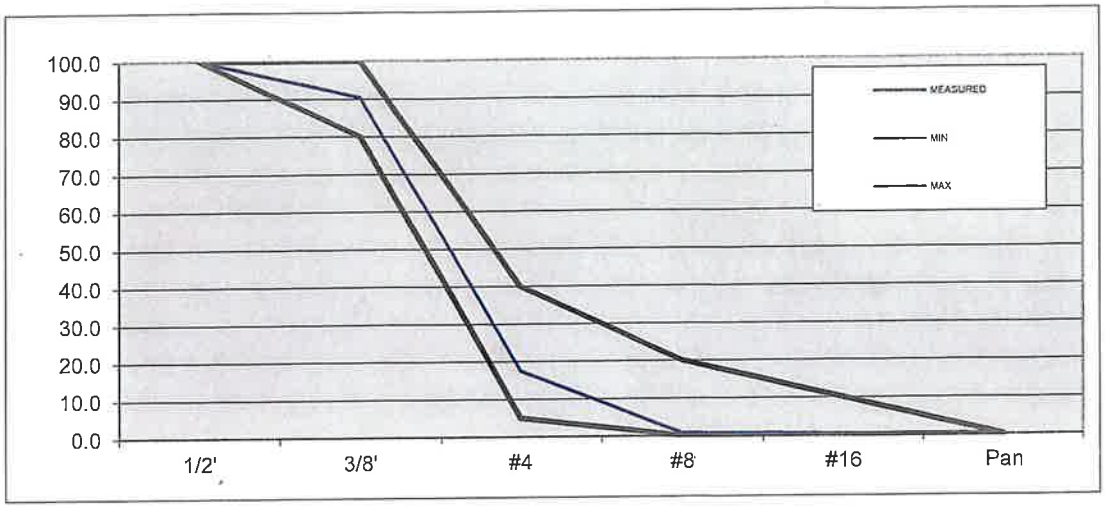
Ticket # Stacker

Sampler JJ

Date: 10/22/19

Time 2PM

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	57.0	9.6	90.4	80.0	100.0
#4	490.0	82.5	17.5	5.0	40.0
#8	590.0	99.3	0.7	0.0	20.0
#16	592.0	99.7	0.3	0.0	10.0
Pan	594.0	100.0	0.0	0.0	0.0

% MOISTURE	14.3				
Gross Weight	1670	Tare Weight	1395	Sp. Gravity	1.68
Bucket Weight	48.5	Lab B/W			
Wet Weight	679				
Dry Weight	594				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

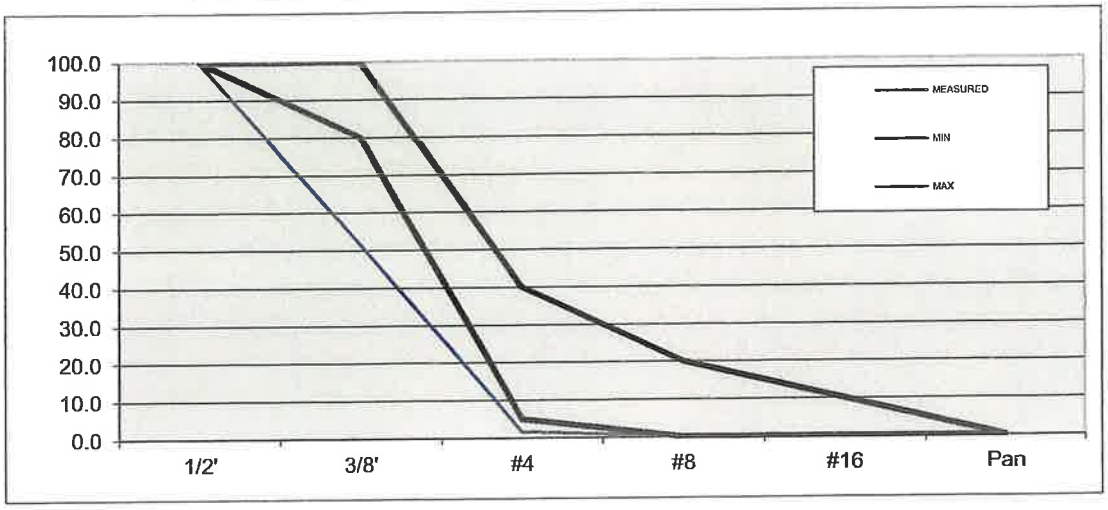
Ticket # Stacker

Sampler JJ

Date: 11/04/19

Time 12AM

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	302.0	48.3	51.7	80.0	100.0
#4	615.0	98.4	1.6	5.0	40.0
#8	623.0	99.7	0.3	0.0	20.0
#16	624.0	99.8	0.2	0.0	10.0
Pan	625.0	100.0	0.0	0.0	0.0

% MOISTURE	7.7				
Gross Weight	1664	Tare Weight	1395	Sp. Gravity	1.67
Bucket Weight	45	Lab B/W			
Wet Weight	673				
Dry Weight	625				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

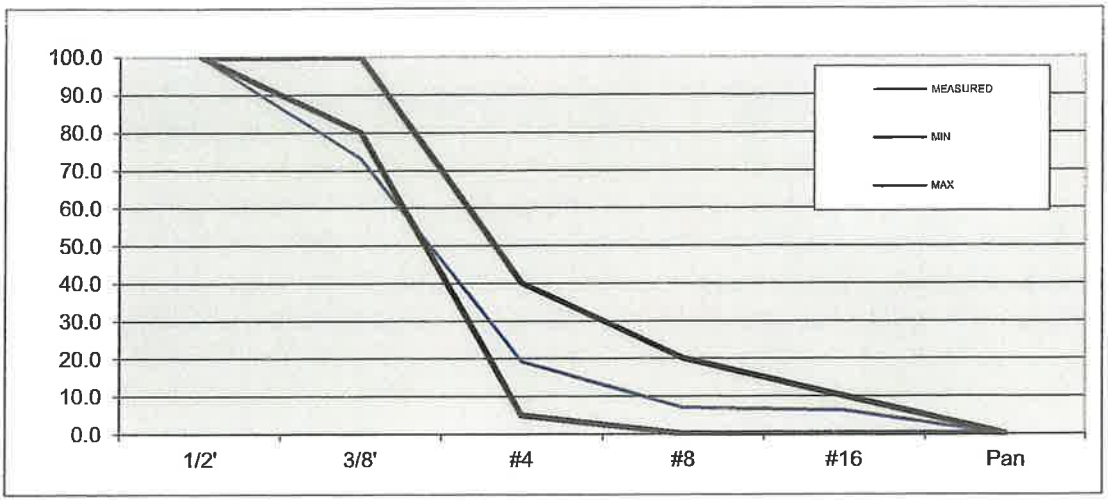
Ticket # Stacker

Sampler JJ

Date: 12/12/19

Time 10AM

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	160.0	26.8	73.2	80.0	100.0
#4	482.0	80.7	19.3	5.0	40.0
#8	555.0	93.0	7.0	0.0	20.0
#16	560.0	93.8	6.2	0.0	10.0
Pan	597.0	100.0	0.0	0.0	0.0

% MOISTURE	13.6				
Gross Weight	1665	Tare Weight	1395	Sp. Gravity	1.66
Bucket Weight	50.5	Lab B/W			
Wet Weight	678				
Dry Weight	597				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

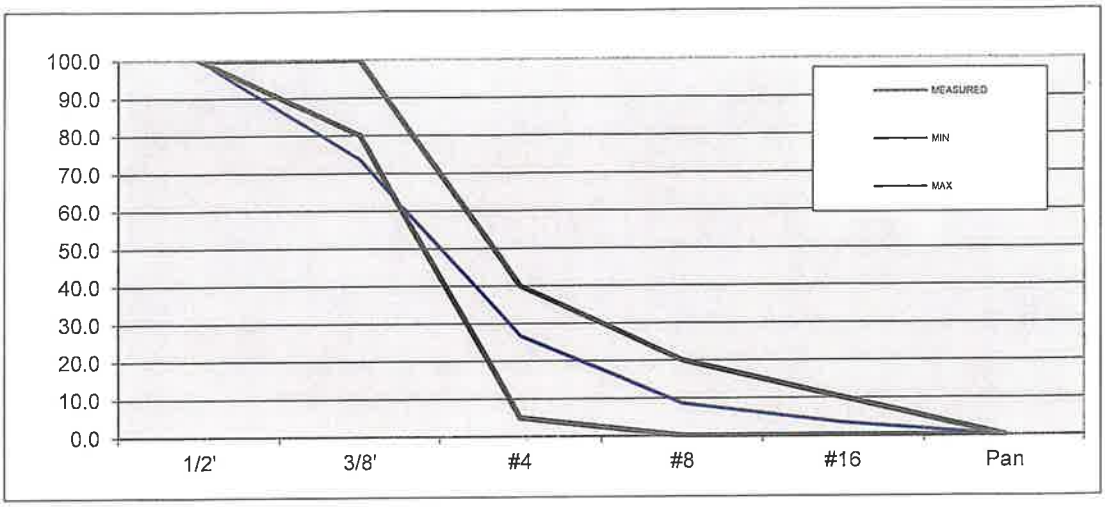
Ticket # Stacker

Sampler JJ

Date: 01/20/20

Time 10am

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	141.0	26.4	73.6	80.0	100.0
#4	392.0	73.3	26.7	5.0	40.0
#8	489.0	91.4	8.6	0.0	20.0
#16	517.0	96.6	3.4	0.0	10.0
Pan	535.0	100.0	0.0	0.0	0.0

% MOISTURE	26.4				
Gross Weight	1665	Tare Weight	1395	Sp. Gravity	1.67
Bucket Weight	47.5	Lab B/W			
Wet Weight	676				
Dry Weight	535				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

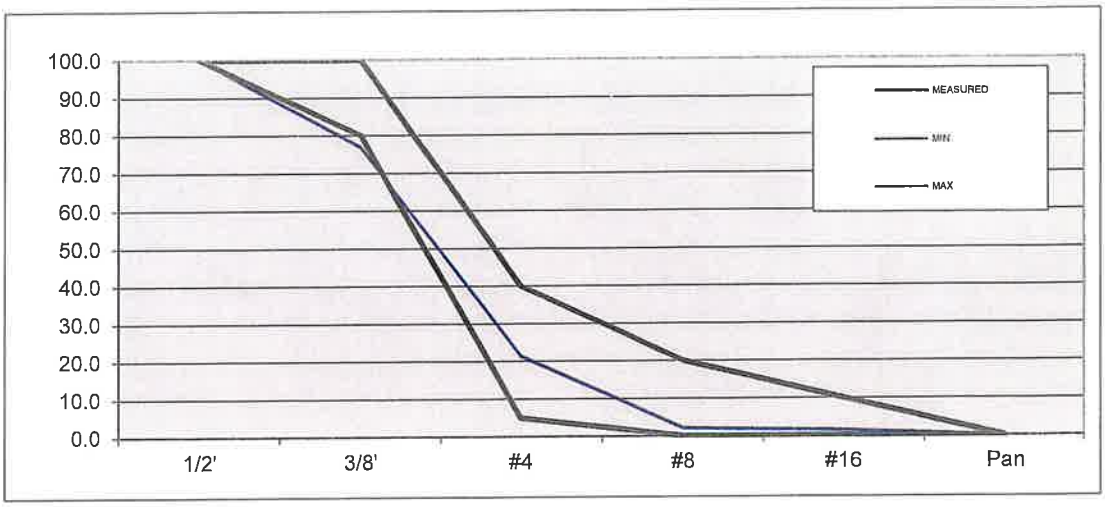
Ticket # Stacker

Sampler JJ

Date: 02/04/20

Time 8AM

Customer



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
1/2'	0.0	0.0	100.0	100.0	100.0
3/8'	127.0	23.0	77.0	80.0	100.0
#4	433.0	78.6	21.4	5.0	40.0
#8	539.0	97.8	2.2	0.0	20.0
#16	543.0	98.5	1.5	0.0	10.0
Pan	551.0	100.0	0.0	0.0	0.0

% MOISTURE	24.1				
Gross Weight	1675	Tare Weight	1395	Sp. Gravity	1.69
Bucket Weight	50	Lab B/W			
Wet Weight	684				
Dry Weight	551				

Arcosa Frazier Park

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

ASTM Light Weight Analysis

Trinity Frazier Park

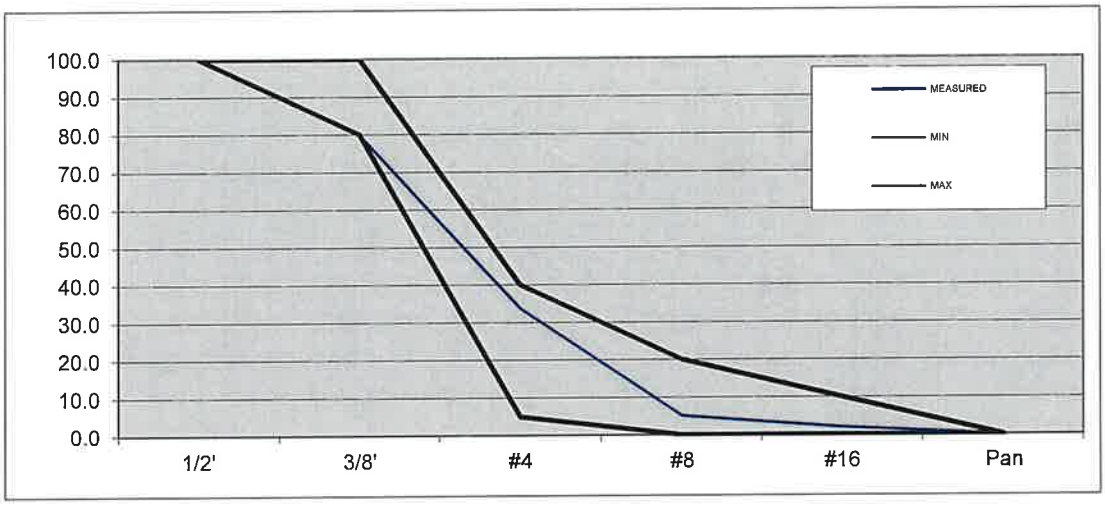
Ticket # Stacker

Sampler JJ

Date: 03/06/20

Time 8AM

Customer



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

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

Arcosa Frazier Park

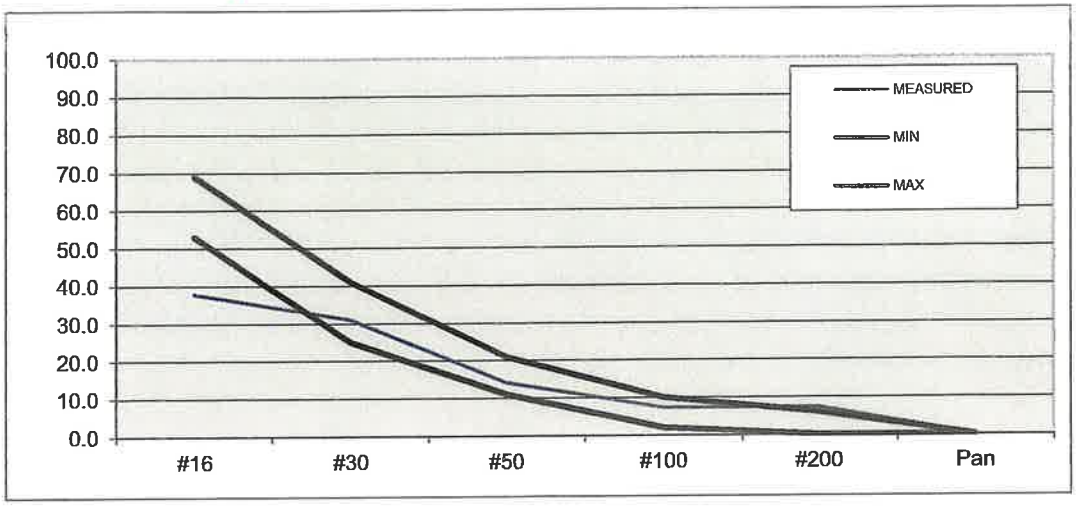
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 03/12/19 **TIME:**

Customer Trinity ES&C **Manager**



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

Sample Locations

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

% MOISTURE 18.2

Bucket Weigh 68

Wet Weight 500

Dry Weight 423

Lab B/W 68 JJ

Arcosa Frazier Park

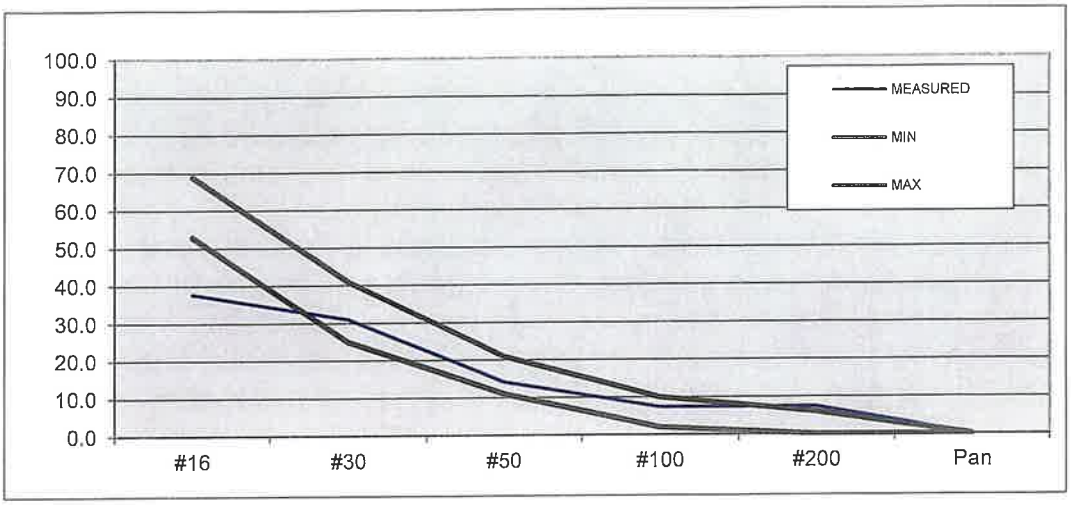
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 04/10/19 **TIME:**

Customer Trinity ES&C **Manager**



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

Sample Locations

1	18.20%
2	16.10%
3	14.90%
4	28.00%

% MOISTURE 18.2

Bucket Weigh 68

Wet Weight 500

Dry Weight 423

Lab B/W

Arcosa Frazier Park

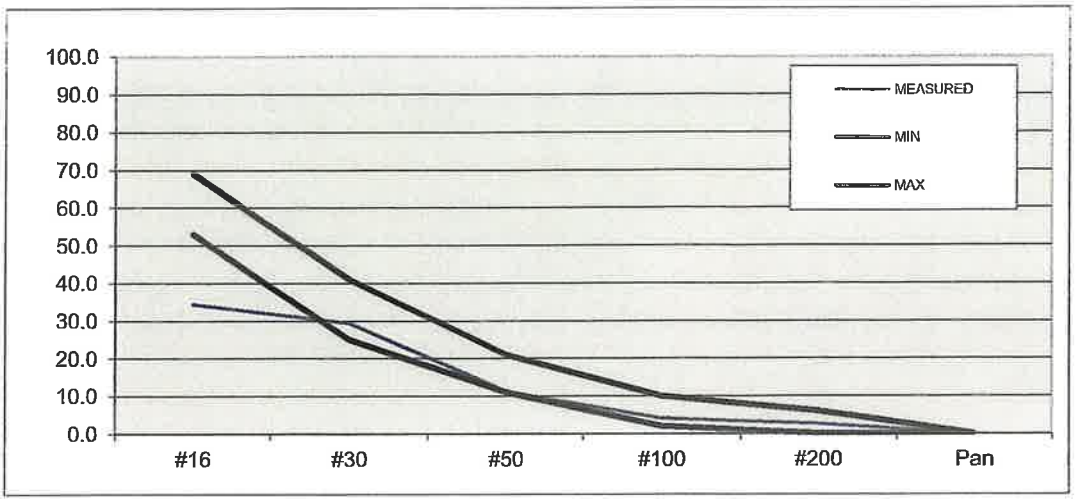
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 05/11/19 **TIME:**

Customer Trinity ES&C **Manager**



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

Arcosa Frazier Park

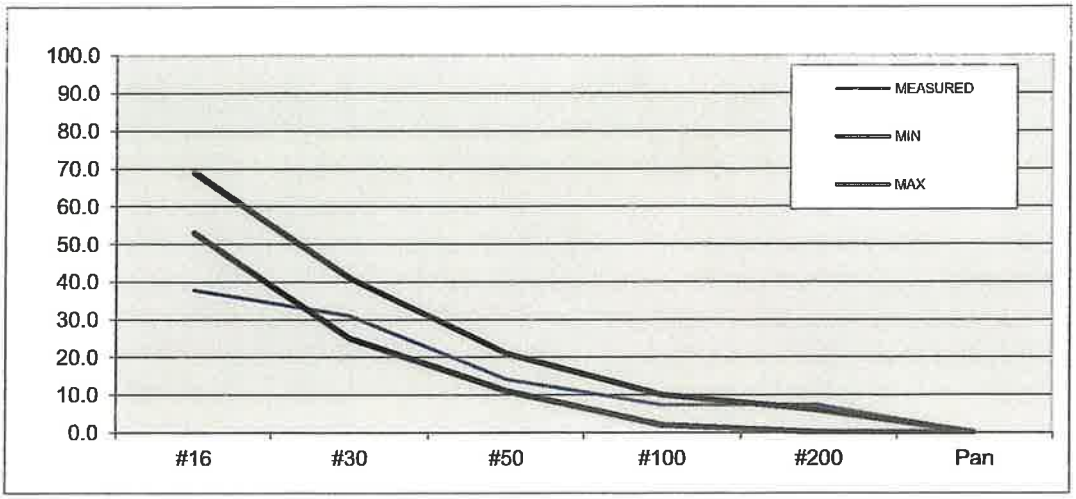
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 06/25/19 **TIME:**

Customer Trinity ES&C **Manager**



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

Sample Locations

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

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

Arcosa Frazier Park

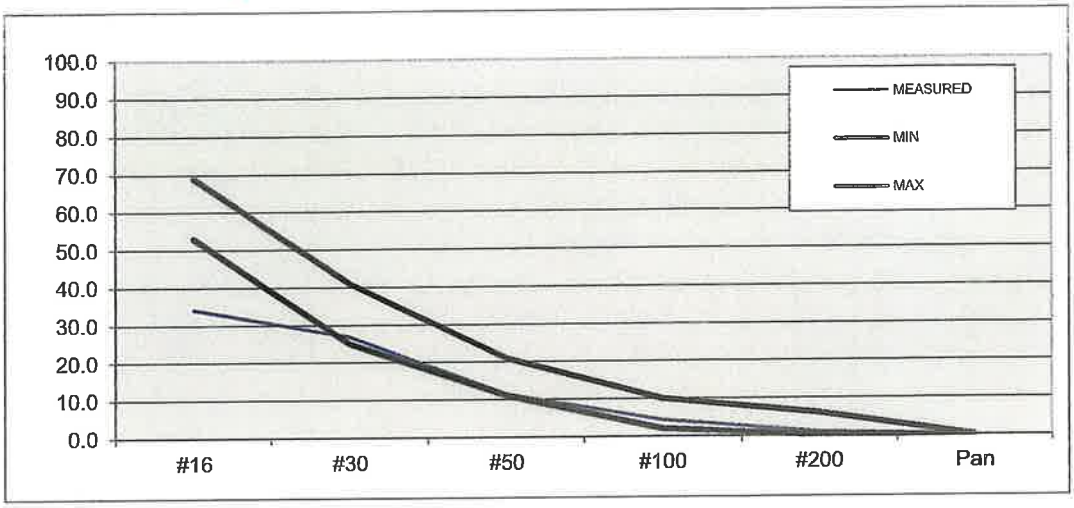
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 07/15/19 **TIME:**

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



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

Sample Locations

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

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

Arcosa Frazier Park

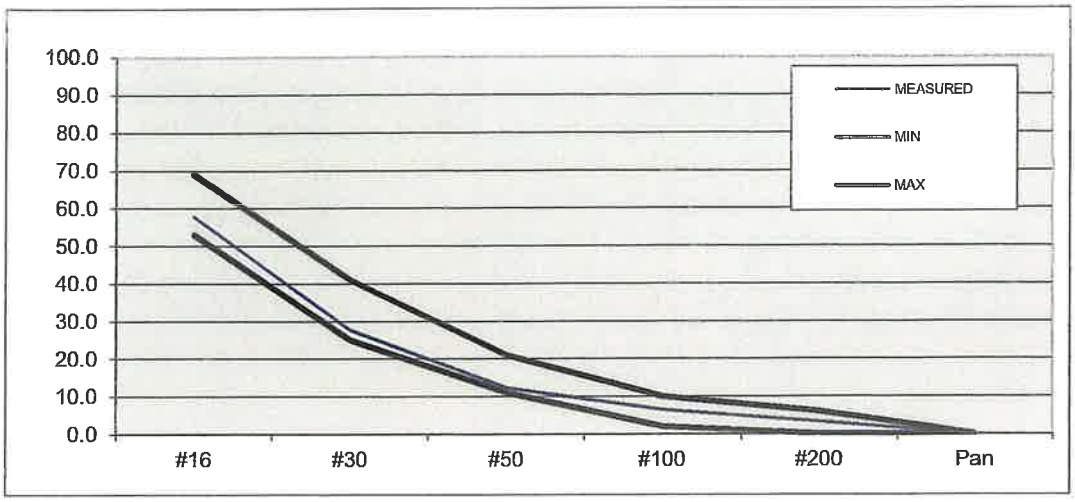
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 08/07/19 **TIME:**

Customer Trinity ES&C **Manager**



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

Sample Locations

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

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

Lab B/W JJ

Arcosa Frazier Park

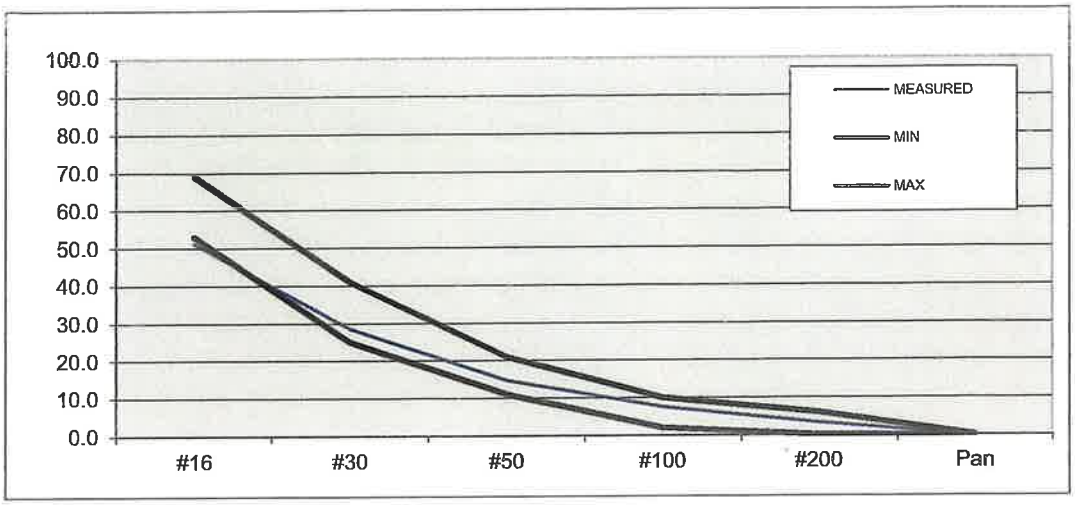
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 09/23/19 **TIME:**

Customer Trinity ES&C **Manager**



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

Sample Locations

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

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

Lab B/W JJ

Arcosa Frazier Park

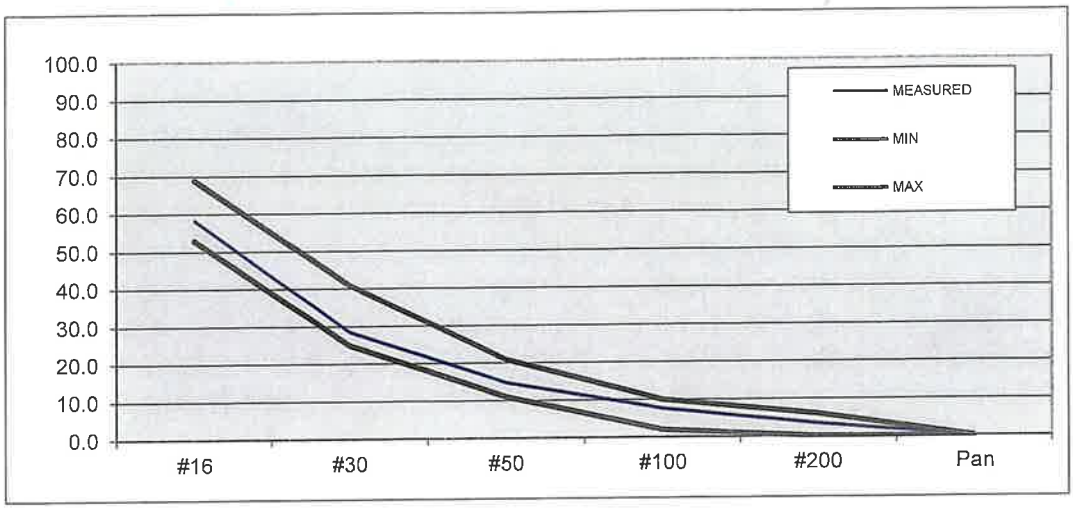
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 10/15/19 **TIME:**

Customer Trinity ES&C **Manager**



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	26.0	6.2	93.8	100.0	100.0
#8	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

Arcosa 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

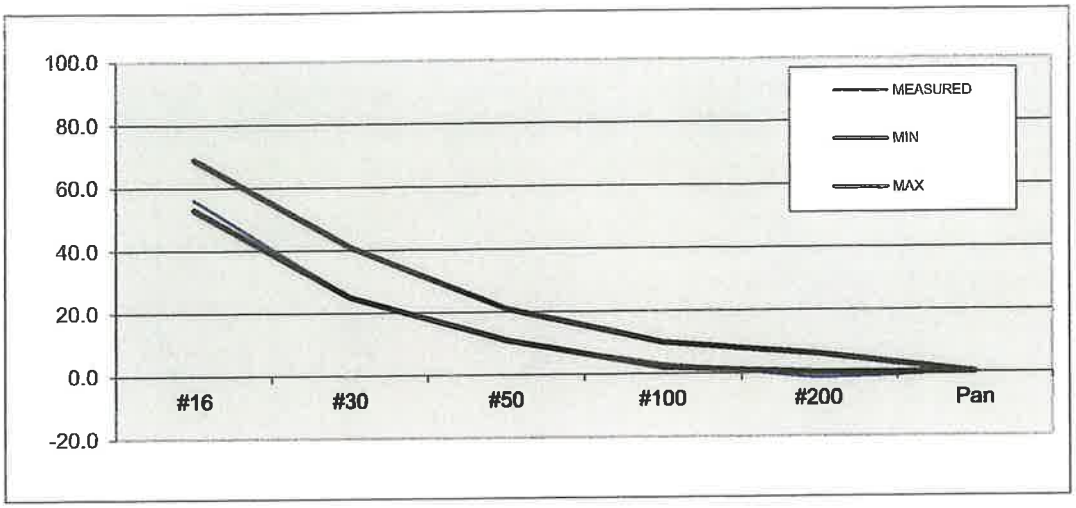
Sampler JJ

Date: 11/27/19

TIME:

Customer Trinity ES&C

Manager



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target 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
Bucket Weigh	65.5
Wet Weight	485
Dry Weight	400

Lab B/W JJ

Arcosa Frazier Park

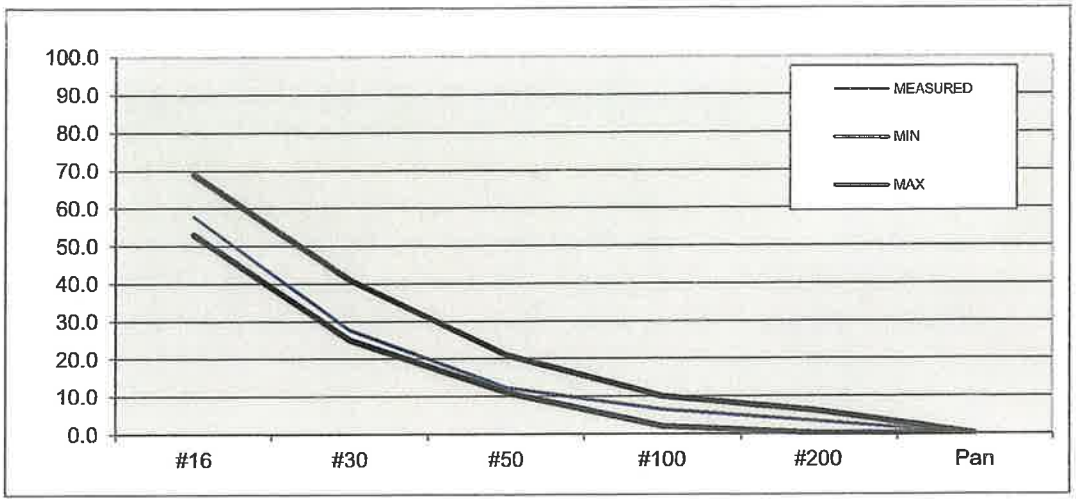
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 12/08/19 **TIME:**

Customer Trinity ES&C **Manager**



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

Sample Locations

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

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

Lab B/W JJ

Arcosa Frazier Park

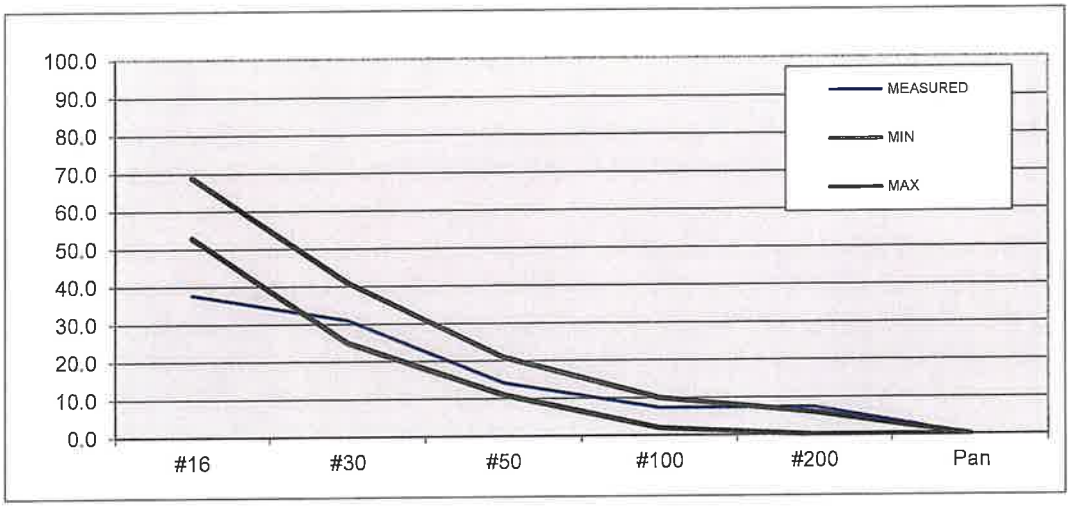
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 01/09/20 **TIME:** _____

Customer _____ **Manager** _____



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

Sample Locations

1 18.20%
2 16.10%
3 14.90%
4 28.00%

% MOISTURE 18.2

Bucket Weigh 68
Wet Weight 500
Dry Weight 423

Lab B/W

Arcosa Frazier Park

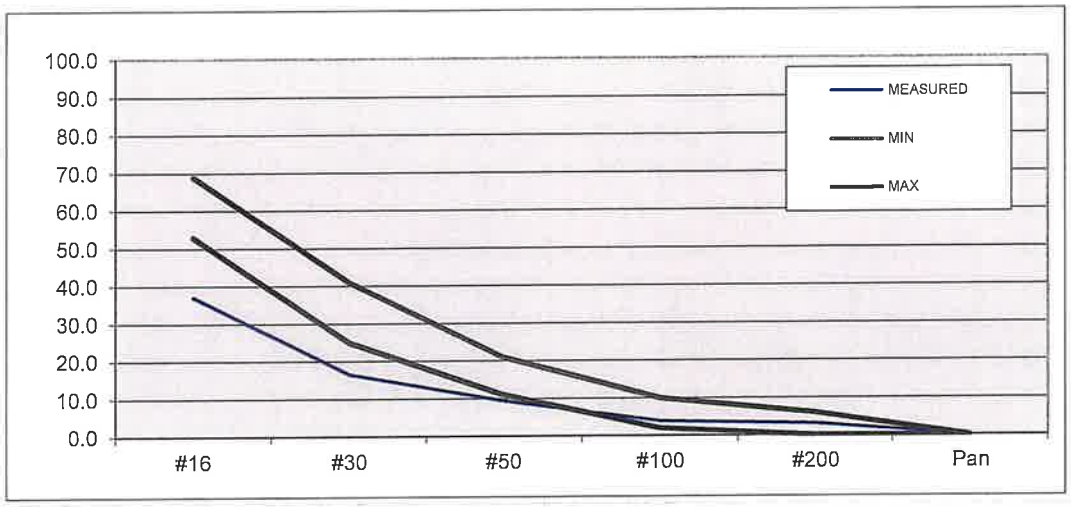
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 02/08/20 **TIME:**

Customer **Manager**



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

Arcosa Frazier Park

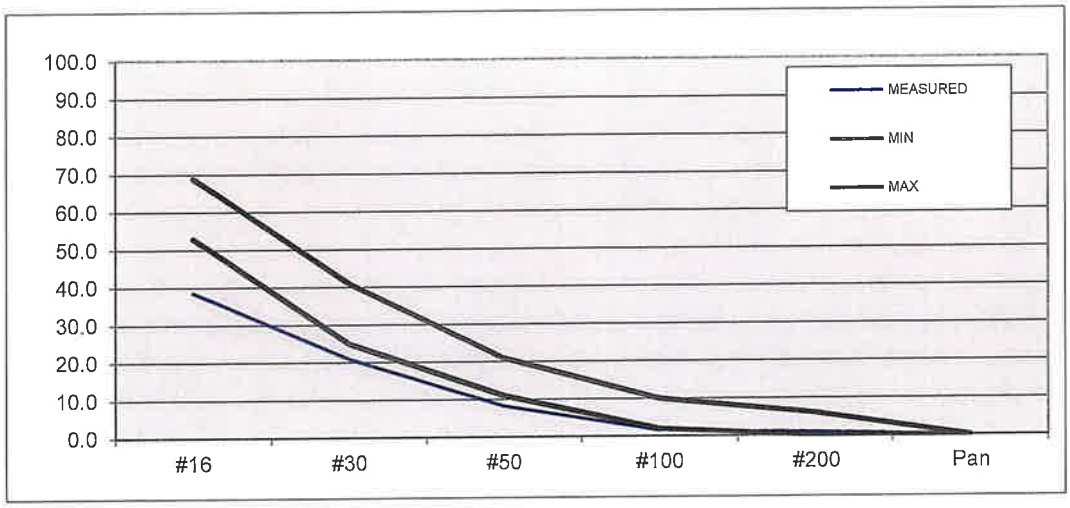
17410 E. Lockwood Valley Road Frazier Park CA. 93225 661-245-3736

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

Ticket # Raw Clay **Sampler** JJ

Date: 03/16/20 **TIME:**

Cust: **Manager**



Sieve	MEASURED WEIGHTS	MEASURED C%R	MEASURED C%P	Target MIN	Target MAX
#4	22.0	3.3	96.7	100.0	100.0
#8	245.0	37.1	62.9	96.0	90.0
#16	406.0	61.4	38.6	69.0	53.0
#30	523.0	79.1	20.9	41.0	25.0
#50	607.0	91.8	8.2	21.0	11.0
#100	651.0	98.5	1.5	10.0	2.0
#200	655.0	99.1	0.9	6.0	0.0
Pan	661.0	100.0	0.0	0.0	0.0

Sample Locations

1	22.80%
2	21.40%
3	22.60%
4	24.00%

% MOISTURE 22.8

Bucket Weigh 69

Wet Weight 812

Dry Weight 661

Lab B/W

APPENDIX E

PO00036PC7
Amendment 50 to PO00036

Quarterly Dust Readings

Quarterly Formal Survey For Attachment 50
Part 70 Permit # 0036

Quarter #1: 2019

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
06/14/19	7:00 AM	#30	Bunker Incline Belt		X	RS
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
06/14/19	10:15 AM	E14	Tower Screen		X	RS
06/14/19	10:15 AM	#29	Radial Stacker		X	RS
06/14/19	10:45 AM	#26	K-3 Blue Belt		X	RS
06/14/19	10:45 AM	#25	K-4 Blue Belt		X	RS
06/14/19	12:15 PM	E1	Grizzly Housing		X	RS
06/14/19	12:45 PM	E2	Syntron #1		X	RS
06/14/19	12:45 PM	E3	Syntron #2		X	RS
06/14/19	7:30 AM	#15	Kiln Feed Tank Conveyor		X	RS
06/14/19	8:15 AM	#18	K-4 Discharge Conveyor		X	RS
06/14/19	8:45 AM	#19	K-3 Discharge Conveyor		X	RS
06/14/19	9:15 AM	#20	K-3 Feed Conveyor		X	RS
06/14/19	9:45 AM	#21	K-4 Feed Conveyor		X	RS
06/14/19	9:45 AM	#24	K-4 Incline Conveyor		X	RS
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
06/14/19	1:45 PM	N/A	Sand Loop Building		X	RS
Not in use		Finish End	9 Tank Silo		X	
06/14/19	1:15 PM	E30	Vertical Impact Crusher		X	RS
06/17/19	8:00 AM	Raw Material	Raw Material Processing Shed		X	RS
06/17/19	7:00 AM	Kiln Area	K-3 & K-4 Baghouse Stack		X	RS
06/17/19	7:00 AM	Kiln Area	Kiln Feed Tanks		X	RS
06/14/19	2:15 PM	#33	O'Brian Discharge		X	RS
Not in use		#49	#9 Tank Discharge		X	
06/14/19	1:15 PM	#48	Crusher Oversize Return		X	RS
06/14/19	1:45 PM	#40	Yogi Discharge 5/16		X	RS
06/14/19	1:15 PM	#47	Symons Feed Belt		X	RS
Not in use		#46	Crusher Bypass			
06/14/19	1:15 PM	#45	Crusher Discharge		X	RS
06/14/19	2:45 PM	#42	5/16 Crossover Belt		X	RS
06/14/19	1:45 PM	#41	Yogi Discharge 1/4		X	RS
06/14/19	1:45 PM	#36	Overstrom Discharge		X	RS
06/17/19	8:30 AM	Raw Plant	Kiln Dust Baghouse		X	RS
06/17/19	9:30 AM	Kiln Deck	Lime System Baghouse		X	RS
06/17/19	10:00 AM	Finish End	Finish End Baghouse		X	RS
06/14/19	3:15 PM	E3	Syntron #3		X	RS
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scew Conveyor			
06/14/19	10:45 AM	E18	K-4 Vibrating Conveyor		X	RS
06/14/19	10:45 AM	E17	K-3 Vibrating Conveyor		X	RS
Not in use		#52	Hopper Stacker			

Quarterly Formal Survey For Attachment 50
Part 70 Permit # 0036

Quarter #2: 2019

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
09/13/19	7:00 AM	#30	Bunker Incline Belt		X	RS
Not in use		#31	Long Belt			
Not in use		#54	Bucket Elevator Discharge			
Not in use		#55	Continuation Discharge Belt #2			
09/13/19	10:15 AM	E14	Tower Screen		X	RS
09/13/19	10:15 AM	#29	Radial Stacker		X	RS
09/13/19	10:45 AM	#26	K-3 Blue Belt		X	RS
09/13/19	10:45 AM	#25	K-4 Blue Belt		X	RS
09/13/19	12:15 PM	E1	Grizzly Housing		X	RS
09/13/19	12:45 PM	E2	Syntron #1		X	RS
09/13/19	12:45 PM	E3	Syntron #2		X	RS
09/13/19	7:30 AM	#15	Kiln Feed Tank Conveyor		X	RS
09/13/19	8:15 AM	#18	K-4 Discharge Conveyor		X	RS
09/13/19	8:45 AM	#19	K-3 Discharge Conveyor		X	RS
09/13/19	9:15 AM	#20	K-3 Feed Conveyor		X	RS
09/13/19	9:45 AM	#21	K-4 Feed Conveyor		X	RS
09/13/19	9:45 AM	#24	K-4 Incline Conveyor		X	RS
Not in use		E39	Bucket Elevator #4			
Not in use		E38	Bucket Elevator #3			
09/13/19	1:45 PM	N/A	Sand Loop Building		X	RS
Not in use		Finish End	9 Tank Silo		X	
09/13/19	1:15 PM	E30	Vertical Impact Crusher		X	RS
09/14/19	8:00 AM	Raw Material	Raw Material Processing Shed		X	RS
09/14/19	7:00 AM	Kiln Area	K-3 & K-4 Baghouse Stack		X	RS
09/14/19	7:00 AM	Kiln Area	Kiln Feed Tanks		X	RS
09/13/19	2:15 PM	#33	O'Brian Discharge		X	RS
Not in use		#49	#9 Tank Discharge		X	
09/13/19	1:15 PM	#48	Crusher Oversize Return		X	RS
09/13/19	1:45 PM	#40	Yogi Discharge 5/16		X	RS
09/13/19	1:15 PM	#47	Symons Feed Belt		X	RS
Not in use		#46	Crusher Bypass			
09/13/19	1:15 PM	#45	Crusher Discharge		X	RS
09/13/19	2:45 PM	#42	5/16 Crossover Belt		X	RS
09/13/19	1:45 PM	#41	Yogi Discharge 1/4		X	RS
09/13/19	1:45 PM	#36	Overstrom Discharge		X	RS
09/14/19	8:30 AM	Raw Plant	Kiln Dust Baghouse		X	RS
09/14/19	9:30 AM	Kiln Deck	Lime System Baghouse		X	RS
	10:00 AM	Finish End	Finish End Baghouse		X	RS
09/13/19	3:15 PM	E3	Syntron #3		X	RS
Not in use		E37	K-4 Screw Conveyor			
Not in use		E36	K-3 Scew Conveyor			
19-13-2019	10:45 AM	E18	K-4 Vibrating Conveyor		X	RS
19-13-2019	10:45 AM	E17	K-3 Vibrating Conveyor		X	RS
Not in use		#52	Hopper Stacker			

Arcosa Lightweight's Quarterly Formal Survey For Attachment 50
Part 70 Permit # 0036

Quarter #3: 2019 Page 1 of 2

Visible Emissions other than uncombined water greater than zero percent for a period or periods agregating more than 3 minutes in any one hour.

Date	Time	Emissions Unit #	Description	YES	No	*Initials*
			Kiln Deck			
11/25/19	8:00 AM	E13	Kiln # 3 Baghouse		X	RS
11/25/19	8:00 AM	E14	Kiln #4 Baghouse		X	RS
11/25/19	8:00 AM	E24	100 CY Silo / w Bin Vent		X	RS
11/25/19	NA	28	Belt Conveyor (Dust to Raw Plant)		X	RS
11/25/19	8:30 AM	16	Kiln Material K3 Feeder Belt		X	RS
11/25/19	8:30 AM	18	Kiln Material K4 Feeder Belt		X	RS
11/25/19	9:00 AM	25	Kiln Material Belt (Incline)		X	RS
11/25/19	9:00 AM	22	Kiln Material Belt (Short Incline)		X	RS
11/25/19	9:00 AM	21	Kiln Material Belt (Long Incline)		X	RS
11/25/19	9:30 AM	E36	Aggregate Cooler for K3		X	RS
11/25/19	10:00 AM	E37	Aggregate Cooler for K4		X	RS
11/25/19	9:30 AM	E17	Sytron Vibrating Belt K3 Shuttle			
11/25/19	10:00 AM	E18	Sytron Vibrating Belt K4 Shuttle			
			Raw Plant			
11/25/19	NA	E37	Grizzly Raw Material Receiving Hopper (Stand-by)		X	RS
11/25/19	NA	E38	Inside Raw PlantRecieving Hopper (Stand-By)		X	RS
11/25/19	NA	15	Inside Feed Belt Conveyor (Stand-By)		X	RS
11/25/19	12:00 PM	E1	Syntron Raw Material Vibrating Belt Conveyor (East)		X	RS
11/25/19	12:00 PM	E2	Syntron Raw Material Vibrating Belt Conveyor (West)		X	RS
11/25/19	12:30 PM	E5	Disintegrator Raw Material (Roller) Crusher		X	RS
11/25/19	1:00 PM	E7	Symons #1 Raw Material Screen		X	RS
11/25/19	1:00 PM	E9	Symons #2 Raw Material Screen		X	RS
11/25/19	1:30 PM	E39	Raw Material Extruder Hopper		X	RS
11/25/19	1:30 PM	E19	JC Steele Raw Material Pug Mill		X	RS
11/25/19	1:30 PM	E20	JC Steele Raw Material Extruder		X	RS
11/25/19	12:30 PM	4	Disintegrator Feed Belt		X	RS
11/25/19	2:00 PM	11	Raw Materials Symons Screen #2 Discharge Belt		X	RS
11/25/19	2:00 PM	12	Raw Materials Symons Screen #1 Discharge Belt		X	RS
11/25/19	2:00 PM	13	Raw Materials Symons Screens Tail Belt		X	RS
11/25/19	2:30 PM	14	Raw Materials Loop Belt		X	RS
11/25/19	2:30 PM	16	Raw Materials Hopper Feed Belt		X	RS
11/25/19	3:00 PM	17	Raw Materials Pug Feed Belt (From Silo)		X	RS
11/25/19	3:00 PM	18	Raw Materials Pug Feed Belt (From Hopper)		X	RS
11/26/19	8:00 AM	21	Raw Materials Extruder Tail Belt		X	RS
11/26/19	8:00 AM	22	Raw Materials Conveyor to Raw Materials Tank #3 & 4		X	RS
11/26/19	8:30 AM	23	Raw Materials Conveyor to Raw Materials Tank #3 & 4		X	RS
11/26/19	8:45 AM	E41	350 CY Raw Materials Tank #3		X	RS
11/26/19	8:45 AM	E42	350 CY Raw Materials Tank #4		X	RS
11/26/19	NA	E28	Baghouse Dump Screw Auger		X	RS
11/26/19	9:00 AM	E29	Raw Plant Baghouse		X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS

Arcosa Lightweight's Quarterly Formal Survey For Attachment 50
Part 70 Permit # 0036

Quarter #3: 2019 Page 2 of 2	Visible Emissions other than uncombined water greater than zero percent for a period or periods agregating more than 3 minutes in any one hour.

Date	Time	Emissions Unit #	Description	YES	No	*Initials*
Finished End						
11/26/19	9:30 AM	E19	Finished End Tower Screen (Scalping Screen, 2 Decks)		X	RS
11/26/19	10:00 AM	E30	Finished End Vertical Impact Crusher (VIC)		X	RS
11/26/19	10:30 AM	E34	Finished End Symons Screen (1 Deck)		X	RS
11/26/19	11:00 AM	E22	Finished End Overstrom Screen Deck (1 Deck)		X	RS
11/26/19	11:00 AM	E23	Finished End O'Brein Sceen Deck (1 Deck)		X	RS
11/26/19	11:00 AM	E21	Finished End Yogi Screen Deck (2 Decks)		X	RS
29			115 CY Finished Product Tank		**Out Of Service**	
33			Rex Finished Product Bucket Elevtor		**Out Of Service**	
11/27/19	9:30 AM	25	Finished End Conveyor Belt		X	RS
11/27/19	9:30 AM	26	Finished End Conveyor Belt		X	RS
11/27/19	10:00 AM	54	Finished End Conveyor Belt		X	RS
11/27/19	10:00 AM	55	Finished End Conveyor Belt		X	RS
11/27/19	11:00 AM	28	Finished End Chute Conveyor		X	RS
11/27/19	11:00 AM	29	Finished End Radial Stacker		X	RS
30			Finished End Conveyor Belt		**Out Of Service**	
11/26/19	1:00 PM	31	Finished End Conveyor Belt		X	RS
11/26/19	1:00 PM	32	Finished End Conveyor Belt		X	RS
11/26/19	1:00 PM	33	Finished End Conveyor Belt		X	RS
11/26/19	1:00 PM	34	Finished End Conveyor Belt		X	RS
11/26/19	1:30 PM	35	Finished End Conveyor Belt		X	RS
11/26/19	1:30 PM	36	Finished End Conveyor Belt		X	RS
11/26/19	1:30 PM	37	Finished End Conveyor Belt		X	RS
11/26/19	1:30 PM	38	Finished End Conveyor Belt		X	RS
11/26/19	2:00 PM	39	Finished End Conveyor Belt		X	RS
11/26/19	2:00 PM	40	Finished End Conveyor Belt		X	RS
11/26/19	2:00 PM	41	Finished End Conveyor Belt		X	RS
11/26/19	2:00 PM	42	Finished End Conveyor Belt		X	RS
11/26/19	2:00 PM	43	Finished End Conveyor Belt		X	RS
11/26/19	2:00 PM	44	Finished End Conveyor Belt		X	RS
11/26/19	2:30 PM	45	Finished End Conveyor Belt		X	RS
11/26/19	2:30 PM	46	Finished End Conveyor Belt (Stand-by for VIC Crusher)		X	RS
11/26/19	3:00 PM	47	Finished End Conveyor Belt		X	RS
11/26/19	3:00 PM	48	Finished End Conveyor Belt		X	RS
11/26/19	3:00 PM	49	Finished End Conveyor Belt		X	RS
11/26/19	3:30 PM	E27	Finished End Baghouse		X	RS
E40			Sytron Conveyor		**Out Of Service**	
Portable Screening Plant (Powerscreen Chiefain 2100S, 3 Deck Incline Screen)						
11/27/19	8:00 AM	1	Receiving Hopper		X	RS
11/27/19	8:00 AM	1	Triple Deck Screen		X	RS
11/27/19	8:30 AM	6	Conveyors		X	RS

Arcosa Lightweight's Quarterly Formal Survey For Attachment 50
Part 70 Permit # 0036

Quarter #4: 2019 Page 1 of 2

Visible Emissions other than uncombined water greater than zero percent for a period or periods agregating more than 3 minutes in any one hour.

Date	Time	Emissions Unit #	Description	YES	No	*Initials*
			Kiln Deck			
03/09/20	9:00 AM	E13	Kiln # 3 Baghouse		X	RS
03/09/20	9:00 AM	E14	Kiln #4 Baghouse		X	RS
03/09/20	9:00 AM	E24	100 CY Silo / w Bin Vent		X	RS
03/09/20	NA	28	Belt Conveyor (Dust to Raw Plant)		X	RS
03/09/20	9:30 AM	16	Kiln Material K3 Feeder Belt		X	RS
03/09/20	9:30 AM	18	Kiln Material K4 Feeder Belt		X	RS
03/09/20	10:00 AM	25	Kiln Material Belt (Incline)		X	RS
03/09/20	10:00 AM	22	Kiln Material Belt (Short Incline)		X	RS
03/09/20	10:00 AM	21	Kiln Material Belt (Long Incline)		X	RS
03/09/20	11:30 AM	E36	Aggregate Cooler for K3		X	RS
03/09/20	11:00 AM	E37	Aggregate Cooler for K4		X	RS
03/09/20	11:30 AM	E17	Sytron Vibrating Belt K3 Shuttle			
03/09/20	11:00 AM	E18	Sytron Vibrating Belt K4 Shuttle			
			Raw Plant			
03/09/20	NA	E37	Grizzly Raw Material Receiving Hopper (Stand-by)		X	RS
03/09/20	NA	E38	Inside Raw PlantRecieving Hopper (Stand-By)		X	RS
03/09/20	NA	15	Inside Feed Belt Conveyor (Stand-By)		X	RS
03/09/20	1:00 PM	E1	Syntron Raw Material Vibrating Belt Conveyor (East)		X	RS
03/09/20	1:00 PM	E2	Syntron Raw Material Vibrating Belt Conveyor (West)		X	RS
03/09/20	1:30 PM	E5	Disintegrator Raw Material (Roller) Crusher		X	RS
03/09/20	2:00 PM	E7	Symons #1 Raw Material Screen		X	RS
03/09/20	2:00 PM	E9	Symons #2 Raw Material Screen		X	RS
03/09/20	2:30 PM	E39	Raw Material Extruder Hopper		X	RS
03/09/20	2:30 PM	E19	JC Steele Raw Material Pug Mill		X	RS
03/09/20	2:30 PM	E20	JC Steele Raw Material Extruder		X	RS
03/09/20	1:30 PM	4	Disintegrator Feed Belt		X	RS
03/09/20	3:00 PM	11	Raw Materials Symons Screen #2 Discharge Belt		X	RS
03/09/20	3:00 PM	12	Raw Materials Symons Screen #1 Discharge Belt		X	RS
03/10/20	7:30 AM	13	Raw Materials Symons Screens Tail Belt		X	RS
03/10/20	8:00 AM	14	Raw Materials Loop Belt		X	RS
03/10/20	8:00 AM	16	Raw Materials Hopper Feed Belt		X	RS
03/10/20	8:30 AM	17	Raw Materials Pug Feed Belt (From Silo)		X	RS
03/10/20	8:30 AM	18	Raw Materials Pug Feed Belt (From Hopper)		X	RS
03/10/20	9:00 AM	21	Raw Materials Extruder Tail Belt		X	RS
03/10/20	9:00 AM	22	Raw Materials Conveyor to Raw Materials Tank #3 & 4		X	RS
03/10/20	9:30 AM	23	Raw Materials Conveyor to Raw Materials Tank #3 & 4		X	RS
03/10/20	10:00 AM	E41	350 CY Raw Materials Tank #3		X	RS
03/10/20	10:00 AM	E42	350 CY Raw Materials Tank #4		X	RS
03/10/20	NA	E28	Baghouse Dump Screw Auger		X	RS
03/10/20	10:30 AM	E29	Raw Plant Baghouse		X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS
					X	RS

Arcosa Lightweight's Quarterly Formal Survey For Attachment 50
Part 70 Permit # 0036

Quarter #4: 2019 Page 2 of 2	Visible Emissions other than uncombined water greater than zero percent for a period or periods agregating more than 3 minutes in any one hour.

Date	Time	Emissions Unit #	Description	YES	No	*Initials*
Finished End						
03/10/20	11:00 AM	E19	Finished End Tower Screen (Scalping Screen, 2 Decks)		X	RS
03/10/20	11:30 AM	E30	Finished End Vertical Impact Crusher (VIC)		X	RS
03/10/20	1:00 PM	E34	Finished End Symons Screen (1 Deck)		X	RS
03/10/20	1:30 PM	E22	Finished End Overstrom Screen Deck (1 Deck)		X	RS
03/10/20	1:30 PM	E23	Finished End O'Brein Sceen Deck (1 Deck)		X	RS
03/10/20	1:30 PM	E21	Finished End Yogi Screen Deck (2 Decks)		X	RS
29			115 CY Finished Product Tank	**Out Of Service**		
33			Rex Finished Product Bucket Elevtor	**Out Of Service**		
03/10/20	2:00 PM	25	Finished End Conveyor Belt		X	RS
03/10/20	2:00 PM	26	Finished End Conveyor Belt		X	RS
03/10/20	2:30 PM	54	Finished End Conveyor Belt		X	RS
03/10/20	2:30 PM	55	Finished End Conveyor Belt		X	RS
03/11/20	7:00 AM	28	Finished End Chute Conveyor		X	RS
03/11/20	7:00 AM	29	Finished End Radial Stacker		X	RS
30			Finished End Conveyor Belt	**Out Of Service**		
03/11/20	8:00 AM	31	Finished End Conveyor Belt		X	RS
03/11/20	8:00 AM	32	Finished End Conveyor Belt		X	RS
03/11/20	8:30 AM	33	Finished End Conveyor Belt		X	RS
03/11/20	8:30 AM	34	Finished End Conveyor Belt		X	RS
03/11/20	9:00 AM	35	Finished End Conveyor Belt		X	RS
03/11/20	9:00 AM	36	Finished End Conveyor Belt		X	RS
03/11/20	9:00 AM	37	Finished End Conveyor Belt		X	RS
03/11/20	10:00 AM	38	Finished End Conveyor Belt		X	RS
03/11/20	10:00 AM	39	Finished End Conveyor Belt		X	RS
03/11/20	10:00 AM	40	Finished End Conveyor Belt		X	RS
03/11/20	10:30 AM	41	Finished End Conveyor Belt		X	RS
03/11/20	11:00 AM	42	Finished End Conveyor Belt		X	RS
03/11/20	11:00 AM	43	Finished End Conveyor Belt		X	RS
03/11/20	11:00 AM	44	Finished End Conveyor Belt		X	RS
03/11/20	11:30 AM	45	Finished End Conveyor Belt		X	RS
03/11/20	11:30 AM	46	Finished End Conveyor Belt (Stand-by for VIC Crusher)		X	RS
03/11/20	1:00 PM	47	Finished End Conveyor Belt		X	RS
03/11/20	1:00 PM	48	Finished End Conveyor Belt		X	RS
03/11/20	1:00 PM	49	Finished End Conveyor Belt		X	RS
03/11/20	1:30 PM	E27	Finished End Baghouse		X	RS
E40			Sytron Conveyor	**Out Of Service**		
Portable Screening Plant (Powerscreen Chiefain 2100S, 3 Deck Incline Screen)						
03/11/20	2:30 PM	1	Receiving Hopper		X	RS
03/11/20	2:30 PM	1	Triple Deck Screen		X	RS
03/11/20	3:00 PM	6	Conveyors		X	RS

APPENDIX F

PO00036PC7

Water Spray Logs

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 4-9-2019 Time 08:00

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician
Signature/Date:_____.

Inspected By (print name) RICHARD STEWART

Signature Richard Stewart

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 04-24-2019 Time 09:15

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 any malfunctions give explanation and action taken;

(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**	**Malfuntion**
	☒ YES ☐ NO	☐ YES ☒ NO

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:_____.

Inspected By (print name) RICHARD SEWELL

Signature _____

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 5-7-2019 Time 08:45

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 any malfunctions give explanation and action taken;

_____

_____

_____

_____

(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**	**Malfuntion**
	☒ YES ☐ NO	☐ YES ☒ NO

Note: If any malfunctions explanation and action taken;

_____

_____

_____

_____

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

_____

_____

Maintenance Technician
Signature/Date:_____

Inspected By (print name) RICHARD STEELE

Signature Richard Steele

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 5-22-19 Time 09:30

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEWART

Signature Richard Stewart

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 5-22-19 Time 09:00

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, sand conversion 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**	**Malfuntion**
	☐ YES ☒ NO	☐ YES ☒ NO

Note: If yes give explanation and action taken;

FIX WATER TO POWER SCREEN

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

REPAIRED BROKEN WATER LINE

Maintenance Technician Signature/Date: [illegible] 5-20-19

Inspected By (print name) RICHARD STEWART

Signature Richard Stewart

Date 5-22-19

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 6-3-19 Time 10:10

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEMER

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 6-7-19 Time 08:30

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

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

Note: If yes give explanation and action taken;

Out of service, sand conversion equipment has been removed

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

Power Screen Dust Suppresion System:

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

Note: If yes give explanation and action taken;

TIGER HOUSE WAS LEAKING, BUT SPRAY BARS WORKING.

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEMEN

Signature Richard Stemen

Date 6-7-19

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 6-18-2019 Time 08:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

PUMP @ TIGER TANK LEAKING

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

Maintenance Technician Signature/Date: _____

Inspected By (print name) _____

Signature _____

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date June 1, 2019 Time 11:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEWART

Signature Richard Stewart

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 7-15-19 Time 13:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STOWELL

Signature Richard Stowell

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date July 29, 2019 Time 11:00

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician
Signature/Date:

Inspected By (print name) RICHARD STEINER

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 8-14-2019 Time 9:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) Richard Stewart

Signature Richard Stewart

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 08/26/2019 Time 10:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD SEGNER

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 09-24-19 Time 8:45

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 any malfunctions give explanation and action taken;

(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	Malfuntion
☒ YES ☐ NO	☐ YES ☒ NO

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEINER

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 9-11-19 Time 10:30

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 any malfunctions give explanation and action taken;

(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		Malfuntion	
☒ YES	☐ NO	☐ YES	☒ NO

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician
Signature/Date:

Inspected By (print name) [signature]

Signature [signature]

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 10-8-2019 Time 9:00AM

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEMEN

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 10-22-19 Time 10:00 AM

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

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

Note: If any malfunctions give explanation and action taken;

_____

_____

_____

_____

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

_____

_____

_____

_____

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

_____

_____

Maintenance Technician
Signature/Date: _____

Inspected By (print name) RICHARD SPENCER

Signature _____

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 11-5-19 Time 9:30

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) Richard Speed

Signature Richard Speed

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 11-19-19 Time 11:45

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 any malfunctions give explanation and action taken;

_____

_____

_____

_____

(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	Malfuntion
	☒ YES ☐ NO	☐ YES ☒ NO

Note: If any malfunctions explanation and action taken;

_____

_____

_____

_____

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

_____

_____

Maintenance Technician
Signature/Date:_____

Inspected By (print name) Richard Stowell

Signature Richard Stowell

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 12-3-19 Time 10:00

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date: _____

Inspected By (print name) RICHARD SPENCER

Signature Richard Spencer

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 12-17-2019 Time 8:25 AM

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

Inspect for proper operations:

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician
Signature/Date:

Inspected By (print name) Richard Stone

Signature Richard Stephen

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 12-31-2019 Time 10:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician
Signature/Date:

Inspected By (print name) RICHARD STEMEN

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 01-14-20 Time 10:00 AM

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name)

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 01-29-20 Time 9:00 AM

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEMPEL

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date FEB 12, 2020 Time 10:30 AM

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

Inspect for proper operations:

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician
Signature/Date:

Inspected By (print name) Rosweza Seemed

Signature [signature]

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 2-25-2020 Time 8:30 AM

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date: _____

Inspected By (print name) RICHARD STEMEN

Signature Richard Stemen

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 3-12-2020 Time 08:30

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEVENS

Signature Richard Stevens

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 3-25-2020 Time 10:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD STEMEL

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 04-10-2020 Time 09:30

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) RICHARD SKINNER

Signature

ARCOSA

Water Sprays and Operational Inspection

(Per Title-5 to ensure compliance with rule 50 and 40 CFR part 60, subpart 000.)

To be Completed Every Two Weeks:

Date 4-22-2020 Time 11:15

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

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

Note: If any malfunctions give explanation and action taken;

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

Power Screen Dust Suppresion System:

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

Note: If any malfunctions explanation and action taken;

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

Maintenance Technician Signature/Date:

Inspected By (print name) Richard Stewart

Signature Richard Stewart

APPENDIX G

PO00036PC2 Condition #3

CEMS Logs

ARCOSA Lightweight
Permit Number 00036

Breakdown Periods
NOx Breakdown Summary
April 1, 2019 to March 31,2020

Date	Device	Duration	Component	Comment
7/24/2019	Kiln #4 GM32	20 Minutes	Nox Mass Rate	During the exceedance, e experienced monsoonal flash flood. The Operator killed the flame and the feed. After Storm moved on everything went back to normal
9/2/2019	Kiln #4 GM33	1.25 Hours	Nox Mass Rate	During the exceedance, e experienced monsoonal flash flood. The Operator killed the flame and the feed. After Storm moved on everything went back to normal

ARCOSA Lightweight
Permit Number 00036

Breakdown Periods
S02 Breakdown Summary
April 1, 2019 to March 31,2020

Date	Device	Duration	Component	Comment
5/2/2019	Kiln #4 GM32	3 Minutes	SO2 Mass Rate	The exceedance was discovered 3 minutes after it started and was back under control.
5/31/2020	Kiln #4 GM32	1 Hour	SO2 Mass Rate	The exceedance happened when the SICK Technician was making repairs to the unit. The Technician made fixed exceedance at the time it occurred.
6/5/2019	Kiln #4 GM32	15 Minutes	SO2 Mass Rate	When the exceedance occurred, operator cut the flame and feed to control emissions.
8/8/2019	Kiln #4 GM32	1.25 Hours	SO2 Mass Rate	When the exceedance occurred, operator cut the flame and feed to control emissions. The lime feed had stopped and operator fixed the plug in the system.
3/23/2020	Kiln #4 GM32	45 Minutes	SO2 Mass Rate	Our system malfunctioned, but operator catch malfunction and fixed it.

ARCOSA Lightweight
Permit Number 00036

Breakdown Periods
CO Breakdown Summary
April 1, 2019 to March 31,20120

Date	Device	Duration	Componet	Comment
10/13/2019	Kiln #4 GM35	12 Days	CO CEMS	We could not get Technicians to site to fix CO Motor Malfunction. They were out of country on other projects. When they returned to US, came out and replaced CO Motor.
11/16/2019	Kiln #4 GM35	17 Mintues	CO CEMS	We had a power outage that caused GM35 to malfunction. Flame was put out and feed stopped. It toook the operator several minutes to get the emissions back under control.
12/20/2019	Kiln #4 GM35	12 Days	CO CEMS	We were experiencing severe weather and could not get technicians and parts to the plant. We also determined through the diagnosis for the equip that our fiber-optics needed to be replaced. Parts and fiber optics were changed out.

ARCOSA Lightweight
Permit Number 00036

Breakdown Periods
02 Breakdown Summary
April 1, 2019 to March 31,20120

Date	Device	Duration	Componet	Comment
3/10/2020	Kiln #3 ZR22	102 Hours	O2 Wet	We needed to rCleaned probe replaced the Cell, trouble shoot the Z402 Converter and reset the computers.
3/14/2020	Kiln #4 ZR23	102 Hours	O2 Wet	We could not get Technicians to site to fix O2 probe and run dianogsics. They had been out of the country and were being quarantined for 14 days and then the Governor of California shut down the state due to COVID-19. When the techinicians were able to come to the plant all repairs were made.
3/17/2020	Kiln #3 ZR22	96 Hours	O2 Wet	We needed to replace the Cell, Z402 Converter and reset the computers. Parts had to be ordered and then replaced.