CABOT CORPORATION
USEPA-LDEQ-CABOT CONSENT DECREE
SEMIANNUAL COMPLIANCE REPORT

CANAL PLANT

REPORTING PERIOD: **JULY 1, 2016 – DECEMBER 31, 2016**

a. A description of the construction of the Control Technologies, CEMS, and PM Early Warning Systems required by this Consent Decree, including:

i. If construction is not underway, any available information concerning the construction schedule and the execution of major contracts.

All construction activities have begun. See details below.

ii. If construction is underway, the estimated percent of installation as of the end of the reporting period, the current estimated construction completion date, and a brief description of completion of significant milestones during the reporting period.

Construction efforts began in September 2016 and continued into December 2016 with the preparation of soils, installation of pilings, and installation of foundations for the AQCS system being installed at the Canal facility for SOx removal per the consent decree. In addition soils preparation and piling installation was completed for the SCR equipment system to be installed at the Canal facility for the reduction of NOx per the consent decree.

Consistent with the provisions of the Consent Decree, CEMS equipment systems did not commence at the Canal facility during the relevant reporting period, contract is being negotiated with engineering beginning in February 2017.

The current projected schedule for construction activity, including execution of major contracts, is as follows for the Control Systems and CEMS:

- Equipment fabrication – 6/2016 through 9/2017
- Detailed Engineering - 12/2015 through 2/2017
- Construction - 9/2016 through 12/2017
- Start - up / Commissioning - 01/2018 through 2/2018
- Compliance - 3/11/2018

Cabot has executed contracts for the major equipment in December, 2015, began detailed engineering of the components in January 2016, and anticipates placing contracts for CEMS and control equipment construction packages in early 2017.

Cabot has entered into an agreement with an energy partner, CLECO who will build a heat recovery steam generator and electricity generator system in conjunction with Cabot's Consent Decree compliance project. CLECO and Cabot have received information from the LDEQ and EPA that confirms the project will be exempt from the Clean Power Program (CPP) with the inclusion of permit conditions that limit the output or the natural gas input to the heat recovery steam generator.

iii. Any information indicating that installation and commencement of operation may be delayed, including the nature and cause of the delay.

Cabot has identified 2 issues that have arisen which could impact the project schedule completion date and commencement of operation.

Firstly, activities associated with the resolution of design issues relative to the performance of the system to remove particulate matter and corresponding testing and engineering analysis created delays in the final engineering and design of the system. These issues required additional analysis to be able to fully define the existing particulate matter loading and size distribution and to more fully understand the capability of the proposed WFGDS to remove these particulates from the exhaust stream.

Secondly, the inclusion of a beneficial project to capture waste heat upstream of the pollution control system created uncertainty with regard to the applicability of the Clean Power Plan ("CPP") and New Source Performance Standards for Greenhouse Gas Emissions from New, Modified and Reconstructed Stationary Sources: Electricity Generating Units (the "GHG NSPS"), issued by the EPA in August of 2015. The uncertainty regarding the viability of the cogeneration project prevented resolution of critical design details for the air pollution control systems at the Canal Plant. For these reasons, the delay associated with regulatory uncertainty concerning potential applicability of the CPP or GHG NSPS translated into a delay in the further development of the emission control system design plan, critical to the schedule for finalizing design and proceeding with construction of the emission control system components at the Canal Plant.

iv. Once construction is complete, provide the dates the equipment was placed in service and/or commenced Continuous Operation and the dates of any testing that was performed during the period.

Consistent with the provisions of the Consent Decree, construction activity for the control equipment was not completed during the relevant reporting period.

In satisfaction of the relevant terms of the Consent Decree, Cabot installed the equipment associated with the PM Early Warning Systems (PMEWS), established alarm set points, and commenced continuous operation of the system as of the Effective Date of the Consent Decree. The Consent Decree establishes no testing requirements for the system during the reporting period.

b. All information necessary to demonstrate compliance with all applicable Emissions Limits, 30-day Rolling Average Sulfur Content Weight Percent, 365-day Rolling Average Sulfur Content Weight Percent, and other provisions in Sections VI (SO_2 Control Technology, Emissions

Limits, and Monitoring Requirements), VII (NOx Control Technology, Emissions Limits, and Monitoring Requirements) and VIII (PM Control Technology, Emissions Limits, Best Management Practices, and Early Warning System Requirements)

- *Paragraph 17 - SO_2 Process System Operation, Emissions Limits and Control Technology*

  Pursuant to the terms of the Consent Decree, Cabot was not required during the relevant reporting period to demonstrate compliance with any applicable emissions limit, or other provision in Sections VI (SO_2 Control Technology, Emissions Limits, and Monitoring Requirements), VII (NOx Control Technology, Emissions Limits, and Monitoring Requirements) and VIII (PM Control Technology, Emissions Limits, Best Management Practices, and Early Warning System Requirements) under the Consent Decree, except as specifically addressed herein.

- *Paragraph 18 - WGS Design Specifications*

  Pursuant to the terms of the Consent Decree, Cabot submitted the WGS Design Specifications to the EPA on September 10, 2015 and provided follow-up information on November 10, 2015.

- *Paragraph 19 - SO_2 Alternative Equivalent Pollution Control Technology*

  Pursuant to the terms of the Consent Decree, Cabot has not requested an Alternative Equivalent Pollution Control Technology for SO_2.

- *Paragraph 20 - SO_2 Monitoring Requirements*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years from the Effective Date of the Consent Decree, specifically no later than March 11, 2018.

- *Paragraph 23 - NOx Emissions Limits Applicable to Heat Load Operation, Startup, and Shutdown*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years from the Effective Date of the Consent Decree, specifically no later than March 11, 2018.

- *Paragraph 24 - Heat Load Operation, Startup, and Shutdown Compliance Calculation*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years from the Effective Date of the Consent Decree, specifically no later than March 11, 2018.

- *Paragraph 25 - Alternative Heat Load Operation, Startup, and Compliance Calculation*

  Pursuant to the terms of the Consent Decree, Cabot has not requested an Alternative Heat Load Operation, Startup, and Compliance Calculation for NO_x.

- *Paragraph 26 - NOx Process System Operation Emissions Limits and Control Technology SCR Design Specifications*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years from the Effective Date of the Consent Decree, specifically no later than March 11, 2018.

- *Paragraph 27 - SCR Design Specifications*

  Pursuant to the terms of the Consent Decree, Cabot submitted the WGS Design Specifications to the EPA on September 10, 2015 and provided follow-up information on November 10, 2015.

- *Paragraph 28 - NOx Alternative Equivalent Pollution Control Technology*

  Pursuant to the terms of the Consent Decree, Cabot has not requested an Alternative Equivalent Pollution Control Technology for NO_X.

- *Paragraph 29 - NOx Monitoring Requirements*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years from the Effective Date of the Consent Decree, specifically no later than March 11, 2018.

- *Paragraph 30 - PM Control Technology and Emissions Limits*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years and 180 days from the Effective Date of the Consent Decree, specifically no later than September 7, 2018.

- *Paragraph 31 - PM Stack Testing*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required to begin until four (4) years and 180 days from the Effective Date of the Consent Decree, specifically no later than September 7, 2018.

- *Paragraph 32 and Appendix B - Other PM Control Requirements*

During the reporting period, Cabot achieved and maintained compliance with the requirements of Paragraph 32 and Appendix B the Consent Decree relative to particulate matter ("PM") control requirements. More specifically, for each PM emissions equipment unit:

- Cabot employed the required PM Reduction Mechanism and Method for Managing PM Emissions specified in Appendix B of the Consent Decree.
- Cabot completed the relevant daily visual assessments and maintained a record of the results of each such assessment.
- Cabot developed and maintained a record of the results of each of the required daily visual assessments and associated Method 9 observations, when applicable.

- *Paragraph 33 and Appendix C - Particulate Emissions Best Management Practices Control Plan*

  Cabot implemented the Particulate Emissions Best Management Practices Control Plan set forth in Appendix C of the Consent Decree, to the extent required during the reporting period.

- *Paragraph 34 and Appendix D - PM Early Warning System*

  Cabot maintained compliance with applicable requirements of the Consent Decree related to the PM Early Warning System throughout the reporting period. During the reporting period, Cabot operated each PM Early Warning System at all times of Heat Load Operation and Process System Operation, except during system breakdowns, repairs, maintenance, calibration checks, and zero and span adjustments of the applicable system, and for each PM Early Warning System.

  During the reporting period, Cabot achieved a data availability of greater than 90% based on a quarterly average of the operating time of the emission unit or activity being monitored, and therefore, achieved full compliance with the minimum degree of availability requirements of the Consent Decree. In addition, in response to any alarm triggered during the reporting period for any PM Early Warning System at the facility, Cabot investigated the cause of the alarm as expeditiously as practicable and performed the required sequence of tasks to respond to the alarm.
  On each Operating Day in this reporting period, Cabot conducted a visual review of the recorded data for each PM Early Warning System to identify trends in relative PM emissions.

  Cabot also conducted routine maintenance during the reporting period in accordance with manufacturer's recommendations as addressed within the provisions in Paragraphs D.8a and D.8b of the Consent Decree.

d. ***All CEMS data collected for each Process System, from the time any Emissions Limit in Sections VI (SO_2 Control Technology, Emissions Limits, and Monitoring Requirements) and VII (NOx Control Technology, Emissions Limits, and Monitoring Requirements) is exceeded until compliance is achieved, and an explanation of any periods of downtime of such CEMS.***

- *SO_2 Monitoring Requirements*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years from the Effective Date of the Consent Decree, specifically no later than March 11, 2018.

- *Paragraph 29 - NOx Monitoring Requirements*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required until four (4) years from the Effective Date of the Consent Decree, specifically no later than March 11, 2018.

e. ***A copy of the protocol for any PM stack tests performed in accordance with the requirements of Paragraph 31***

- *Paragraph 31 - PM Stack Testing*

  Pursuant to the terms of the Consent Decree, compliance with these requirements is not required to begin until four (4) years and 180 days from the Effective Date of the Consent Decree, specifically no later than September 7, 2018.

f. ***All PM Early Warning System data collected, from the time a PM Early Warning System alarm is triggered until the PM Early Warning System data have returned to normal operating ranges, below levels triggering an alarm condition, and an explanation of any periods of PM Early Warning System downtime***

Data collected for each event in which a PM Early Warning System alarm was triggered during this reporting period is presented in **Attachment 1**.

A summary of the periods of PM Early Warning System downtime, providing the required explanation for each such period, is presented in **Attachment 2**.

g. ***A description of any violation of the requirements of this Consent Decree, including any violation resulting from Malfunctions, any exceedance of an Emissions Limit, any exceedance of a 30-day rolling Average Sulfur Content Weight Percent or 365-day Rolling Average Weight Percent, or any failure to install, commence operation or Continuously Operate and Control Technology or any PM Early Warning System, which includes:***

i. the date and duration of, and the quantity of any emissions related to, the violation;

ii. a full explanation of the primary root cause and any other significant contributing cause(s) of the violation;

iii. a root cause analysis of all reasonable interim and long-term remedial steps or corrective actions, including all design, operation, and maintenance changes consistent with good engineering practices, if any, that could be taken to reduce or eliminate the probability of recurrence of such violation, and, if not already completed, a schedule for its (their) implementation, or, if Defendant concludes that remedial steps or corrective actions should not be conducted, the basis for that conclusion.

Cabot is not aware of any violation of the requirements of the Consent Decree during this reporting period.

***h. If no violations occurred during a reporting period, a statement that no violations occurred*:**

Cabot is not aware of any violation of the requirements of the Consent Decree during this reporting period.

i. A description of the status of any permit applications and any proposed SIP revisions required under this Consent Decree

Cabot applied for and obtained an Authorization to Construct and Approval to Operate on December 28, 2015 (Agency Interest Number 19901) from the Louisiana Department of Environmental Quality for the installation of the pollution control equipment required by the Consent Decree.

j. A summary of all actions undertaken and Project Dollars expended during the reporting period, as well as any cumulative Project Dollars expended, and the estimated environmental benefits achieved to date in satisfaction of the requirements of Section V (Environmental Mitigation) and Appendix A.

The mitigation project and project contractor for St. Mary's Parish was approved and work was physically completed during the reporting period. The contractor for St. Mary's Parish is working through a punch list of items. We expect full acceptance of the project by St. Mary's Parish in early 2017.

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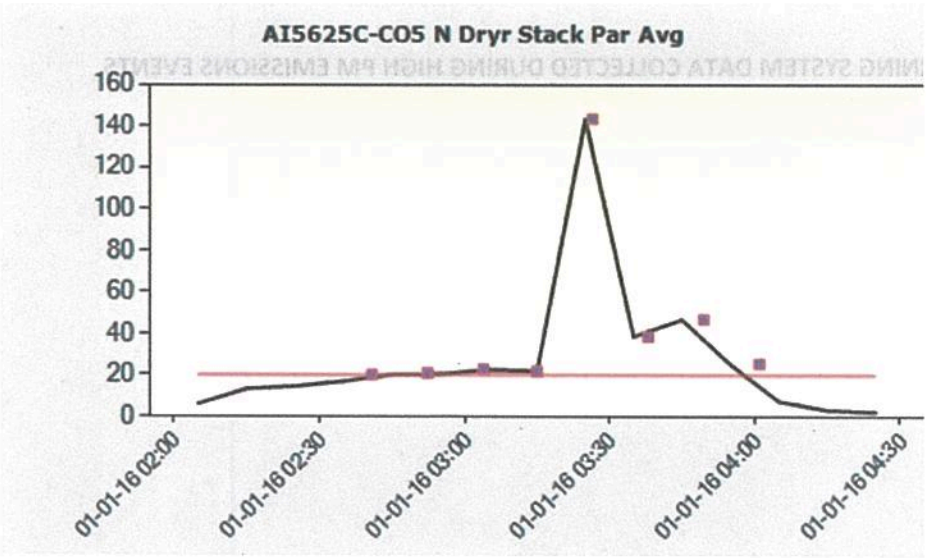
During this period, Cabot expended $64,400 for the implementation of the project, which is the total expended to date. As the project is being finalized, no environmental benefits have been recognized.

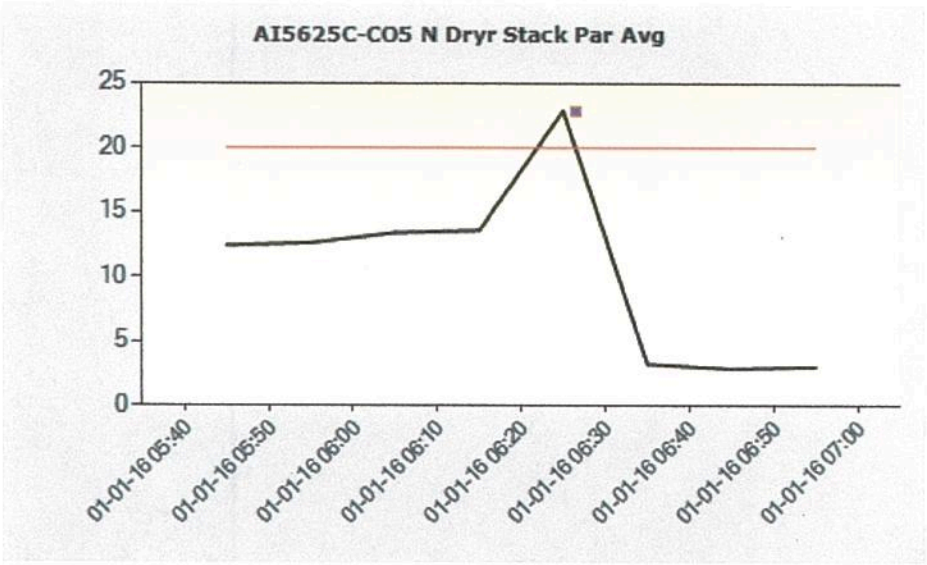
ATTACHMENT 1

PM EARLY WARNING SYSTEM DATA COLLECTED DURING HIGH PM EMISSIONS EVENTS

CO-5 N Dryer, 1/1/2016, 2:45- 4:05



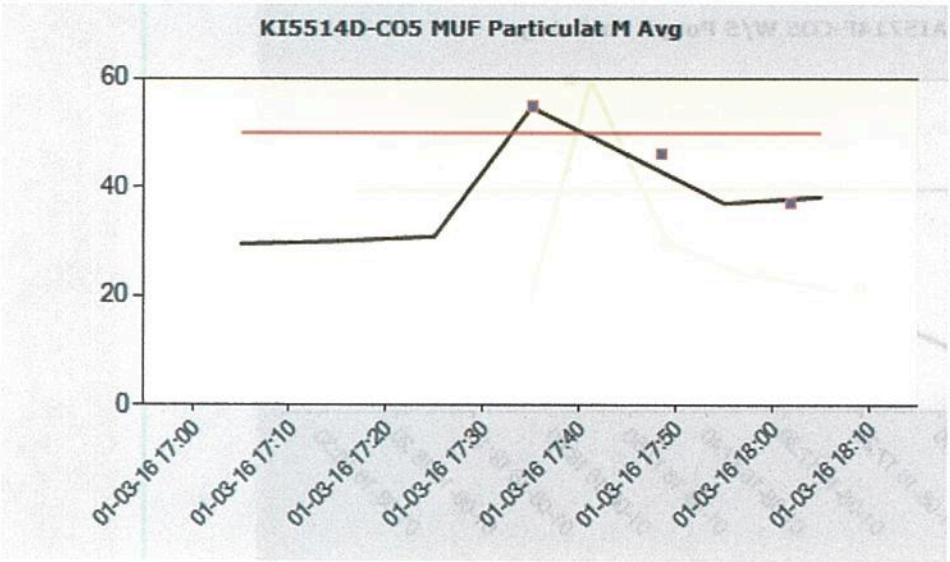
CO-5 N Dryer, 1/1/2016, 6:25- 6:35



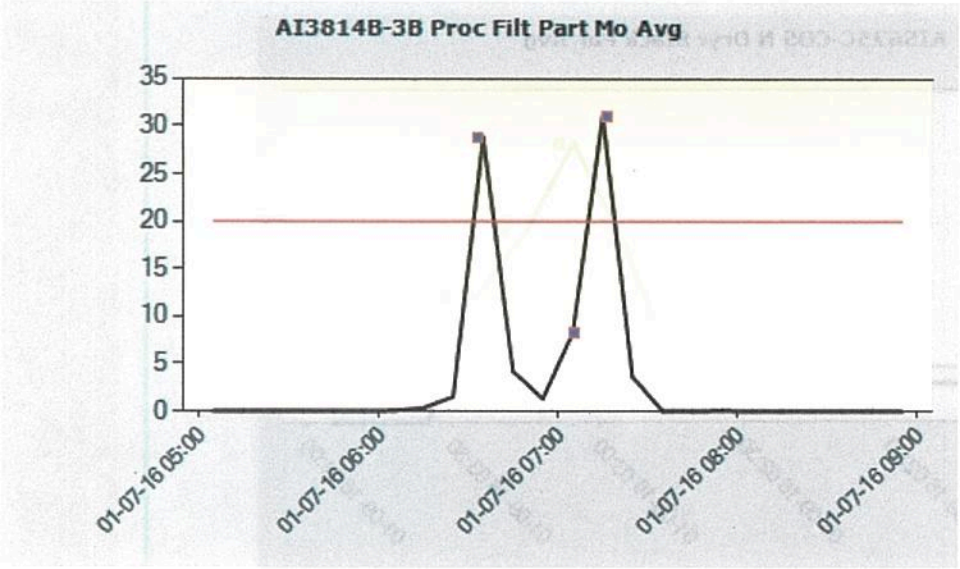
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 MUF, 1/3/2016, 17:35- 17:45



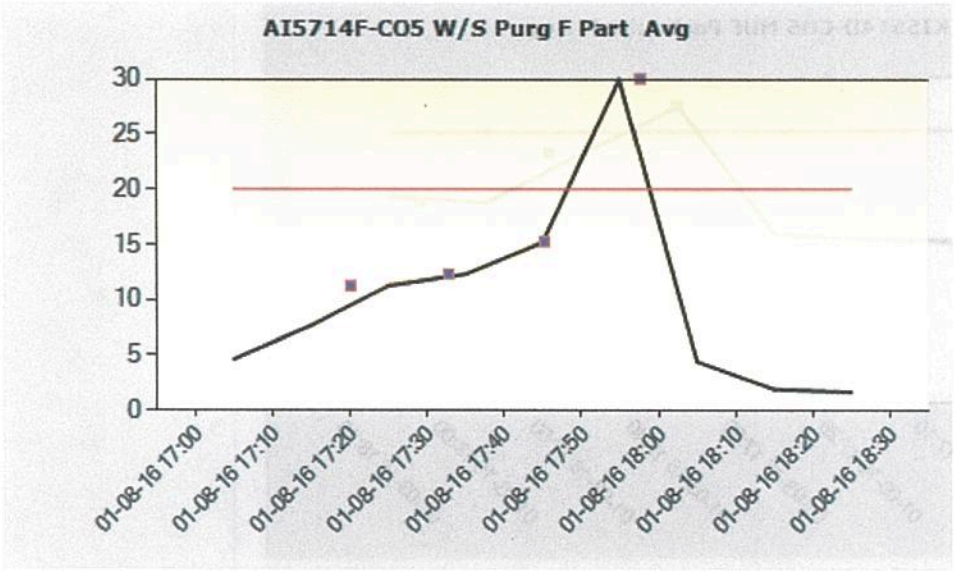
CO-3B Process Filter, 1/7/2016, 6:35- 7:25



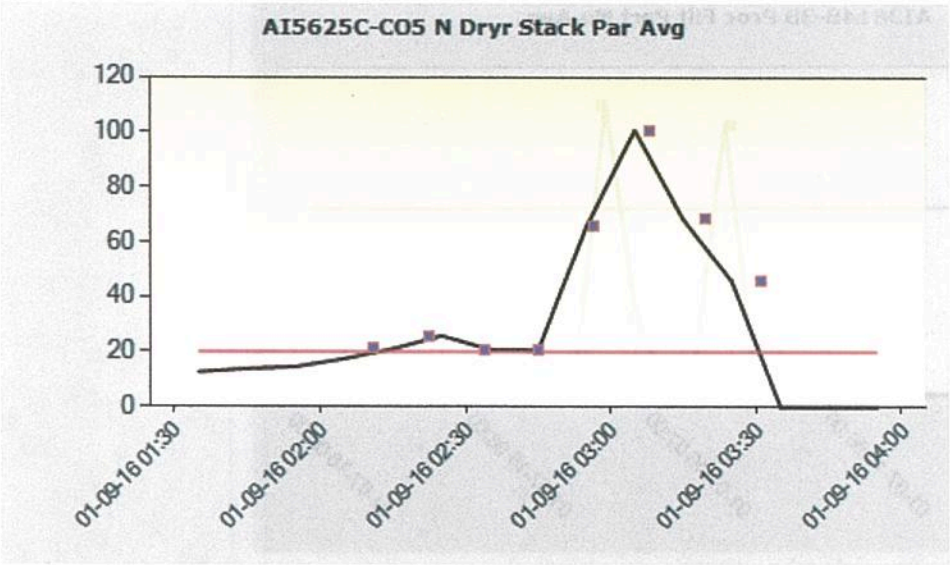
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 1/8/2016, 17:55- 18:05



CO-5 N Dryer, 1/9/2016, 2:15- 3:35



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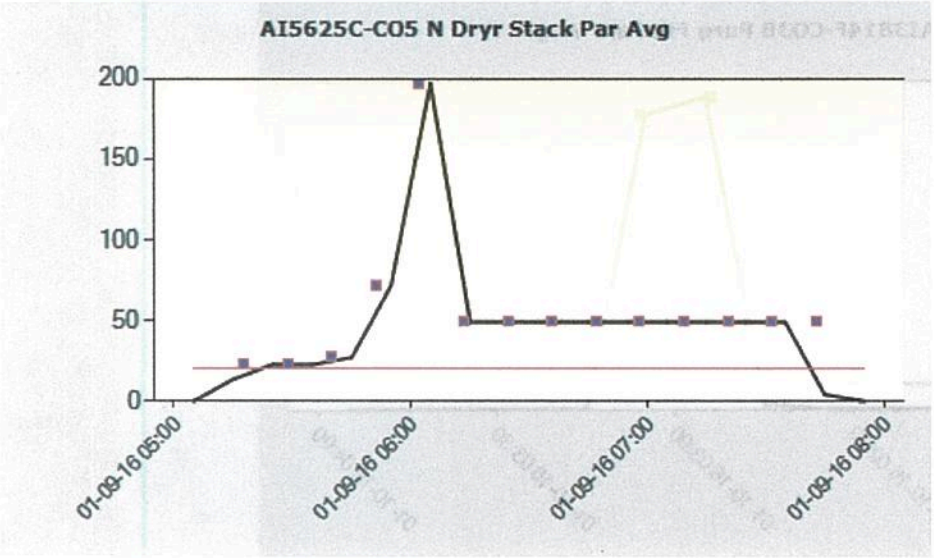
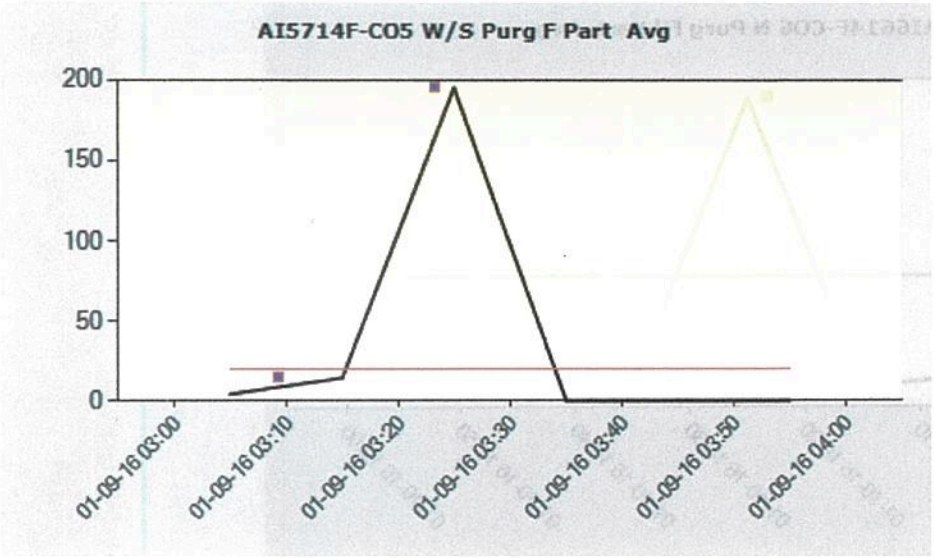
REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 N Dryer, 1/9/2016, 5:25 – 7:45



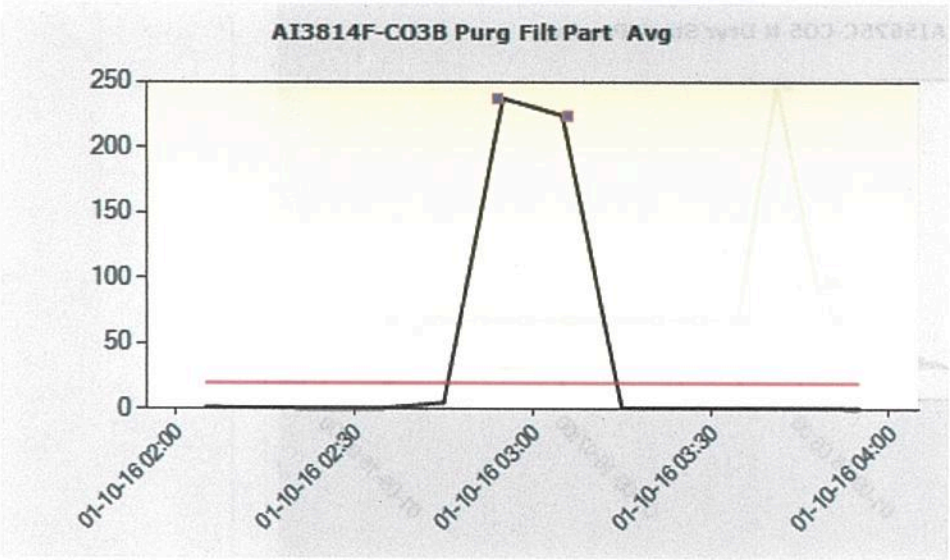
CO-5 W/S Purge Filter, 1/9/2016, 3:25 – 3:35



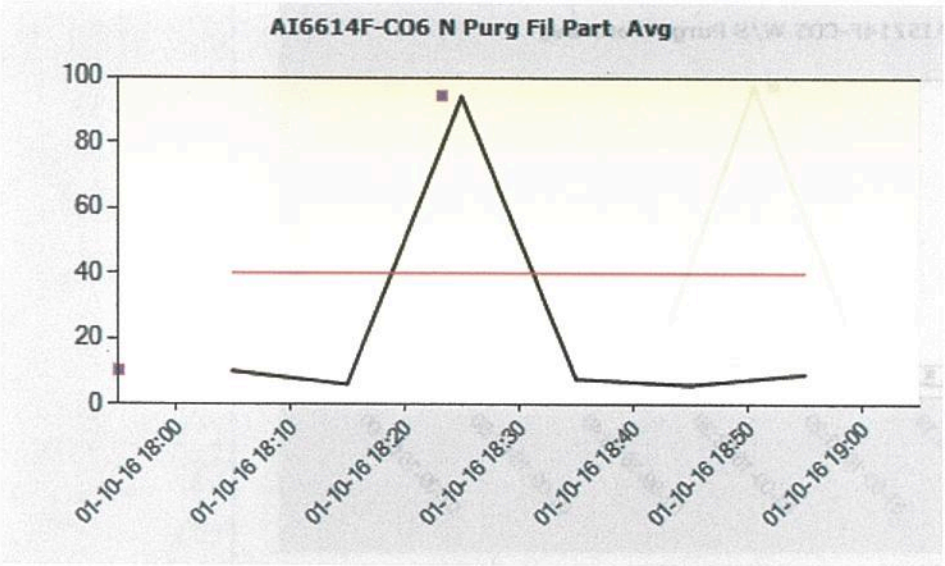
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-3B Purge Filter, 1/10/2016, 2:55 – 3:15



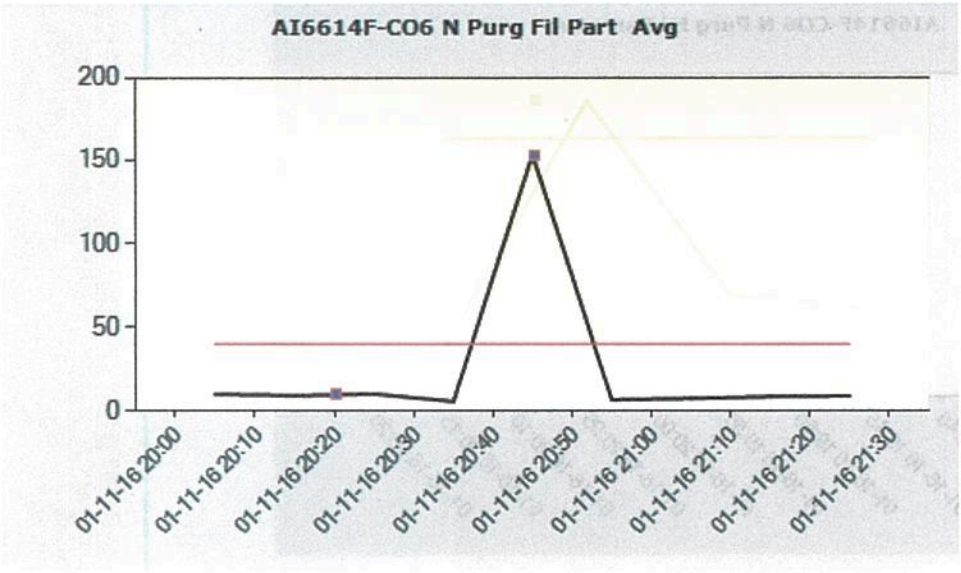
CO-6 N Purge Filter, 1/10/2016, 18:25 – 18:35



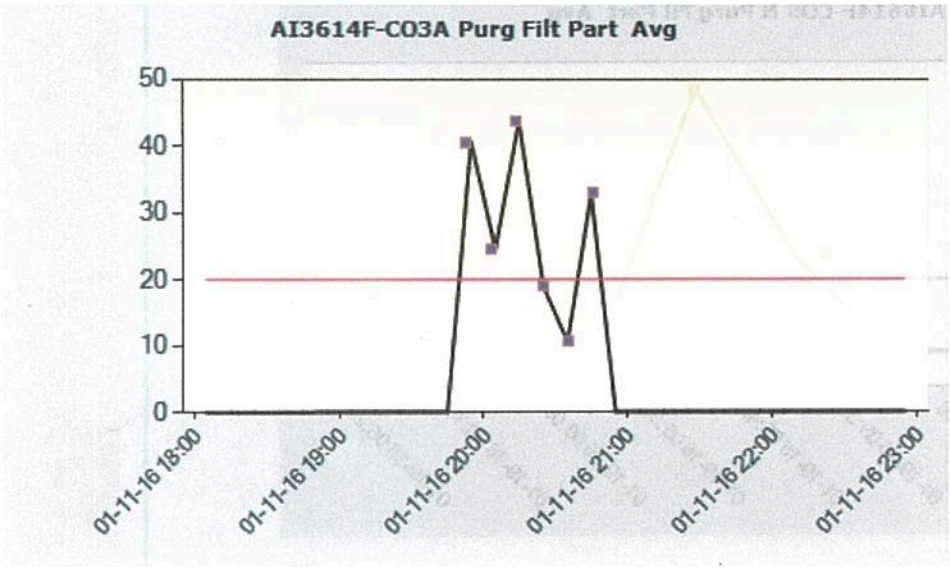
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-6 N Purge Filter, 1/11/2016, 20:45 – 20:55



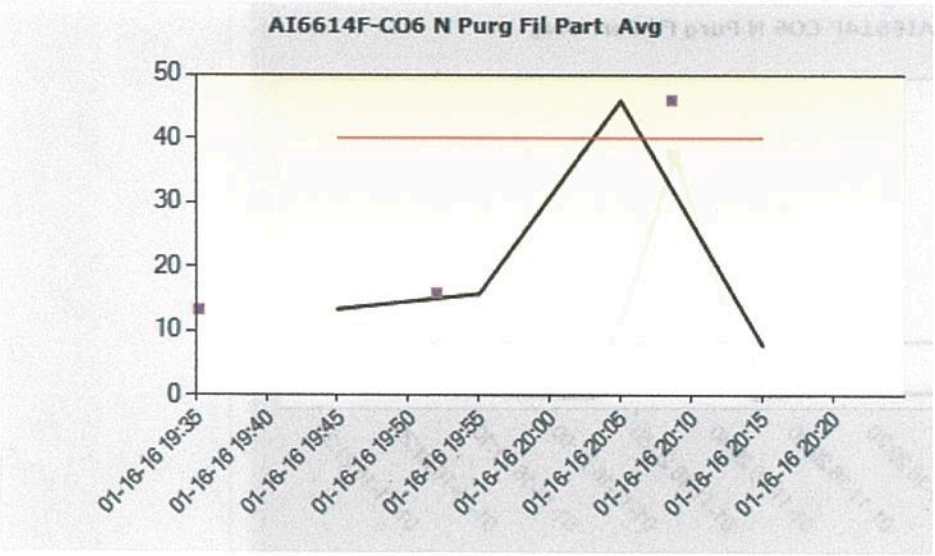
CO-3A Purge Filter, 1/11/2016, 19:55 – 20:55



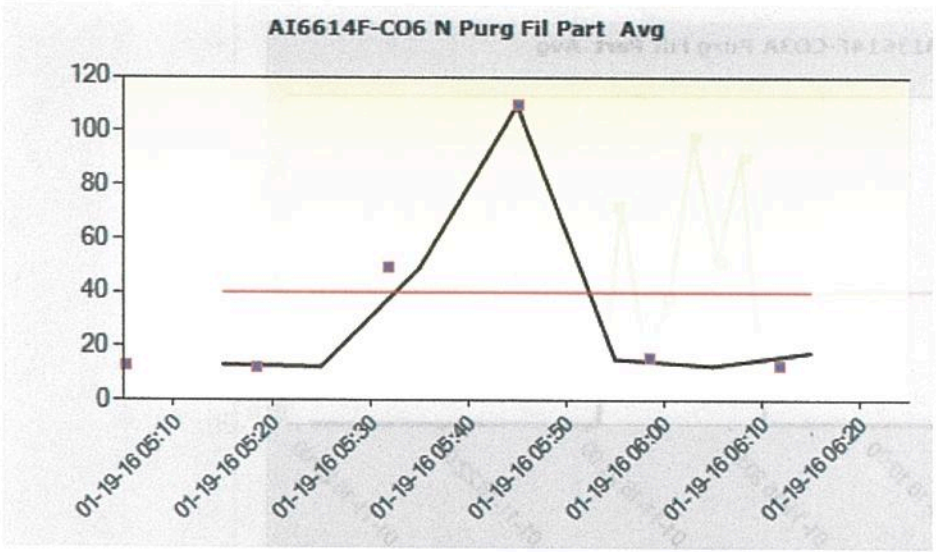
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-6 N Purge Filter, 1/16/2016, 20:05 – 20:15



CO-6 N Purge Filter, 1/19/2016, 5:35 – 5:55



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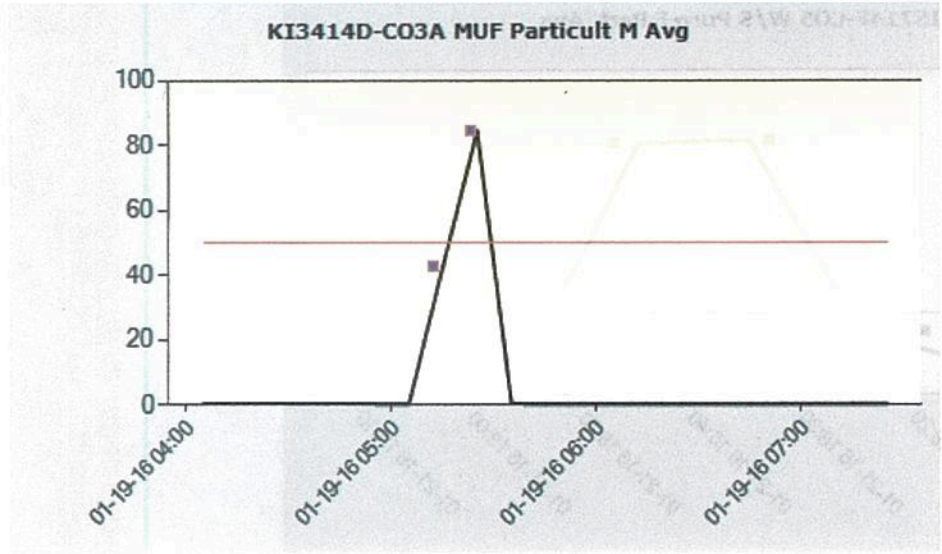
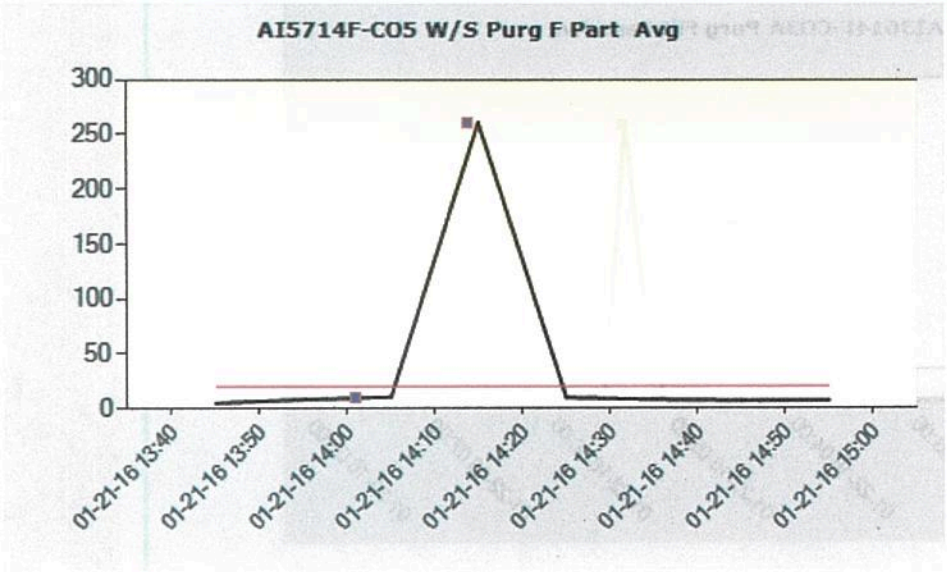
REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-3A MUF, 1/19/2016, 5:25 – 5:35



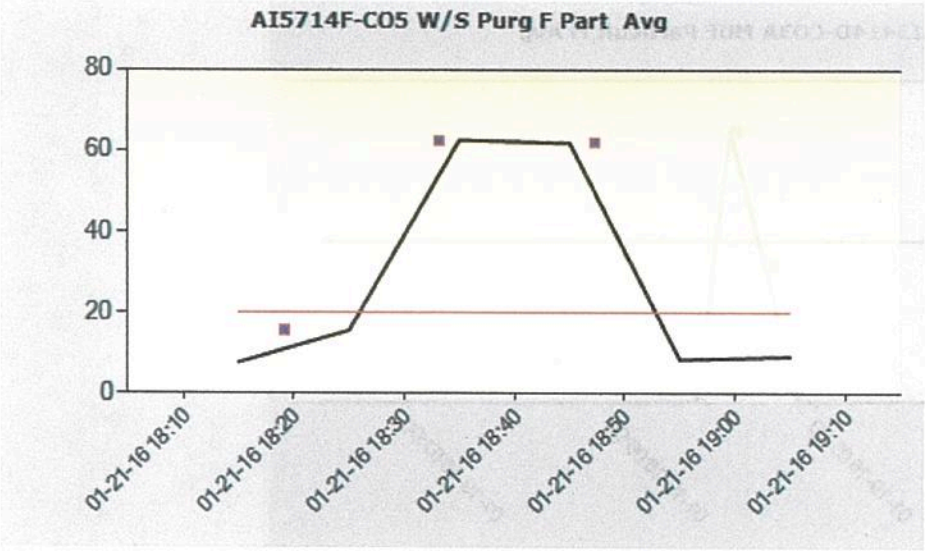
CO-5 W/S Purge Filter, 1/21/2016, 14:15 – 14:25



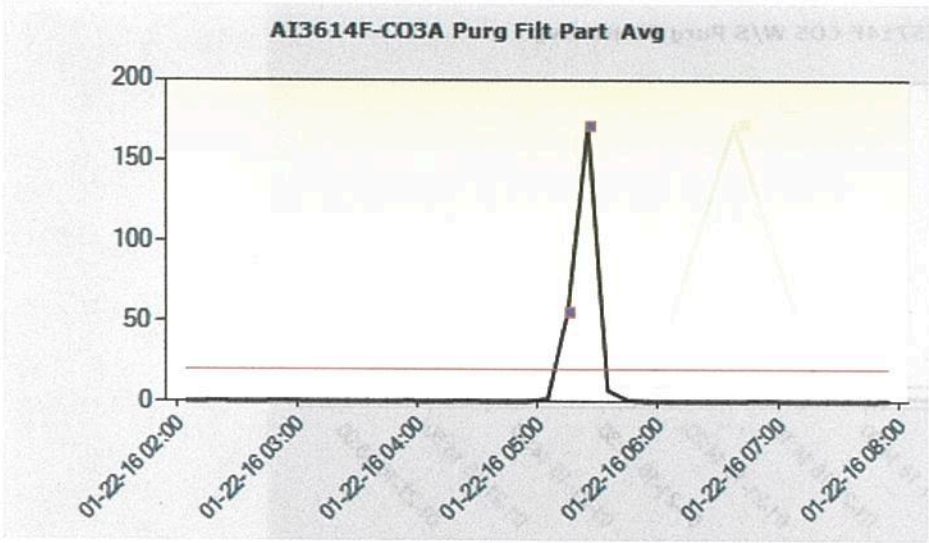
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 1/21/2016, 18:35 – 18:55



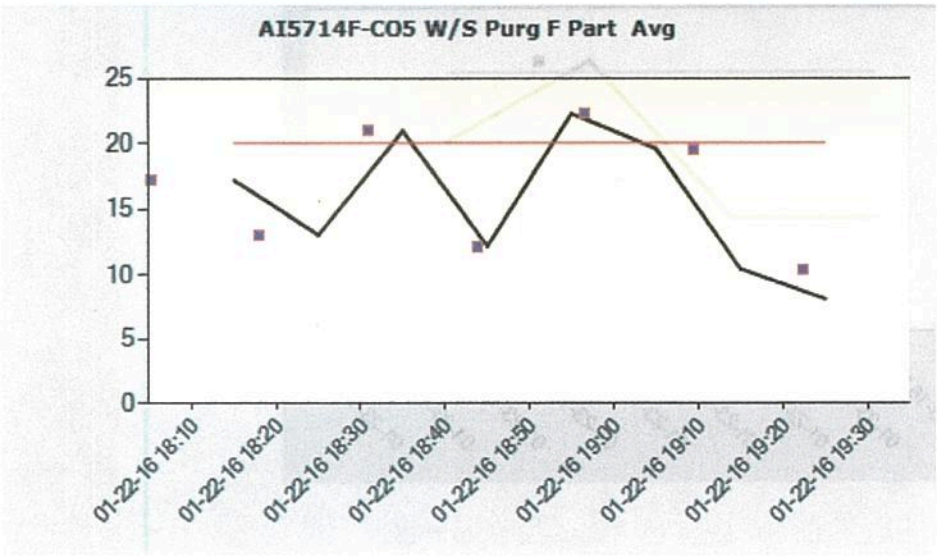
CO-3A Purge Filter, 1/22/2016, 5:15 – 5:35



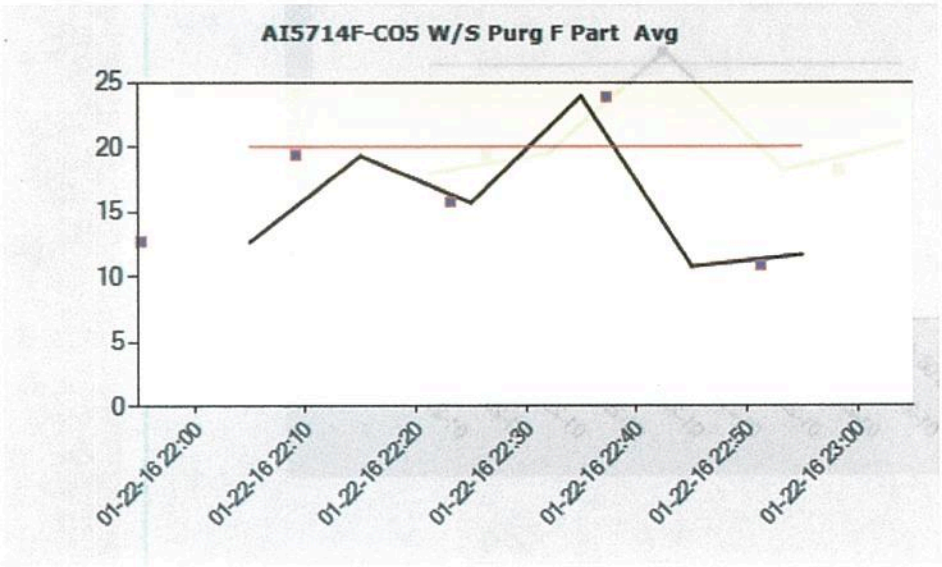
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 1/22/2016, 18:35 – 19:05



CO-5 W/S Purge Filter, 1/22/2016, 22:35 – 22:45



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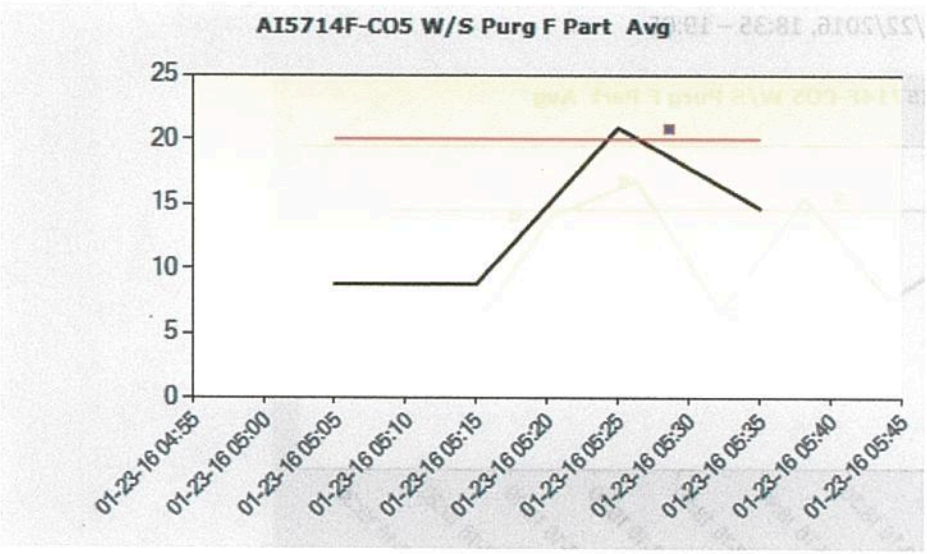
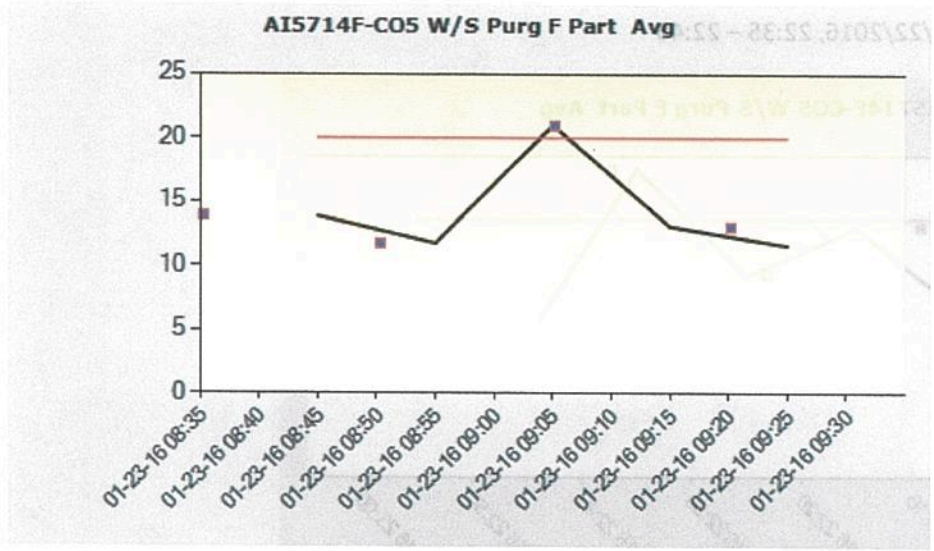
REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 1/23/2016, 5:25 – 5:35



CO-5 W/S Purge Filter, 1/23/2016, 9:00 – 9:15



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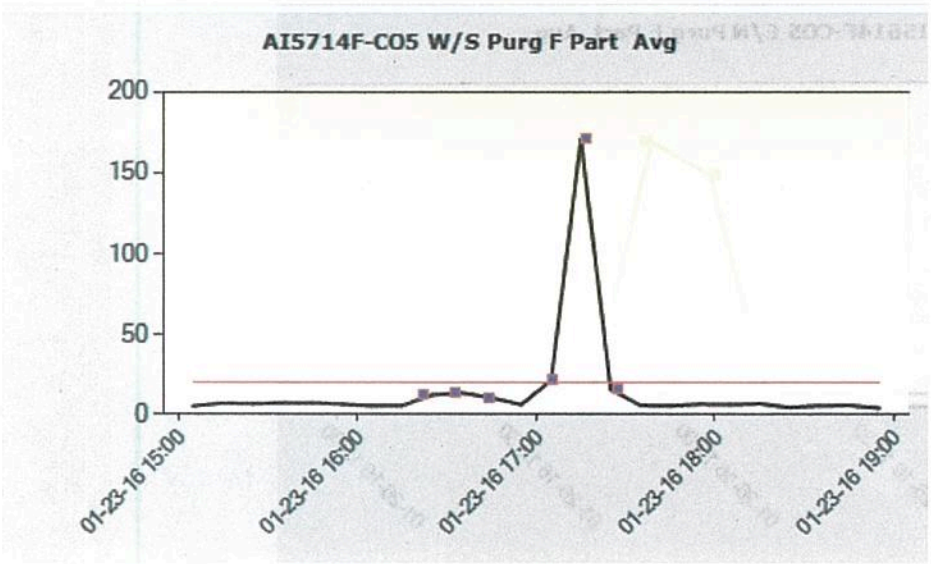
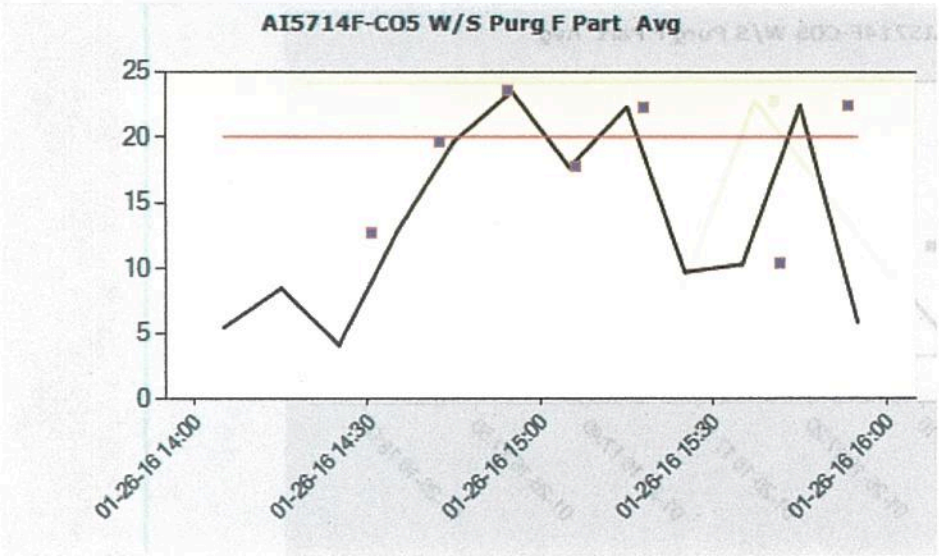
REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 1/23/2016, 17:05 – 17:25



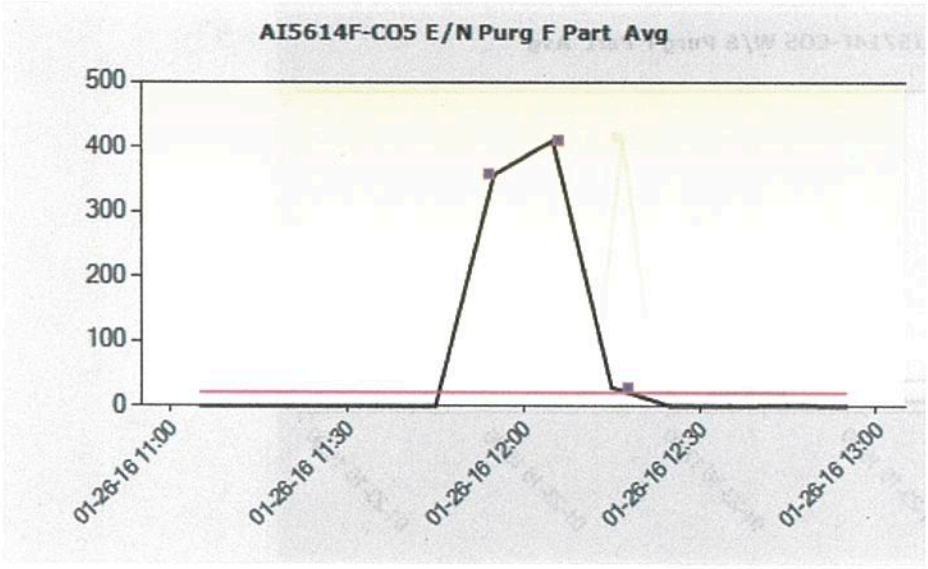
CO-5 W/S Purge Filter, 1/26/2016, 14:55 – 15:55



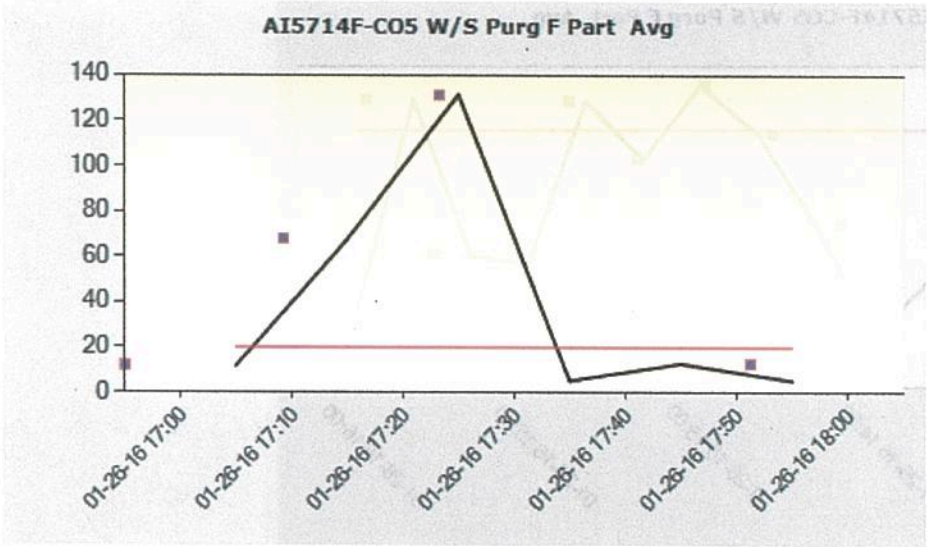
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 E/N Purge Filter, 1/26/2016, 11:55 – 12:25



CO-5 W/S Purge Filter, 1/26/2016, 17:15 – 17:35



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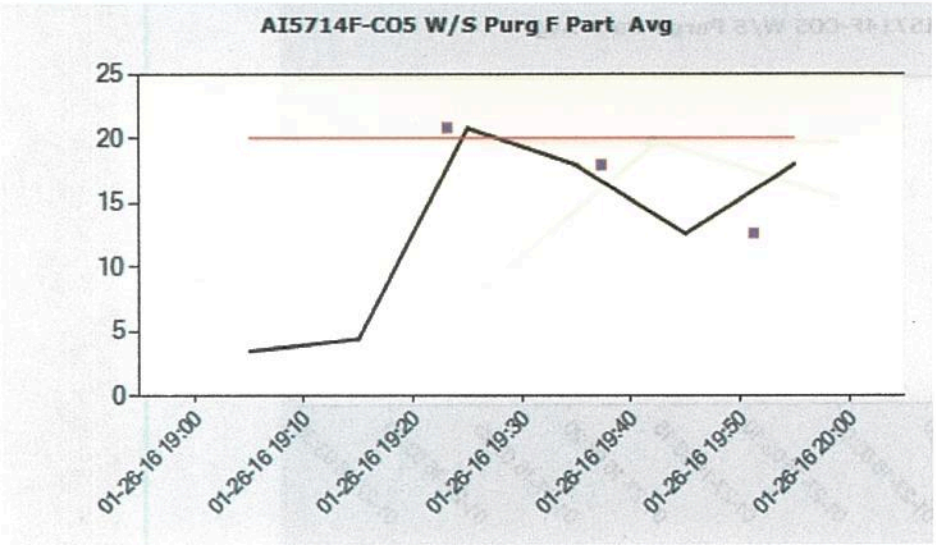
CO-5 W/S Purge Filter, 1/26/2016, 19:25 – 19:35



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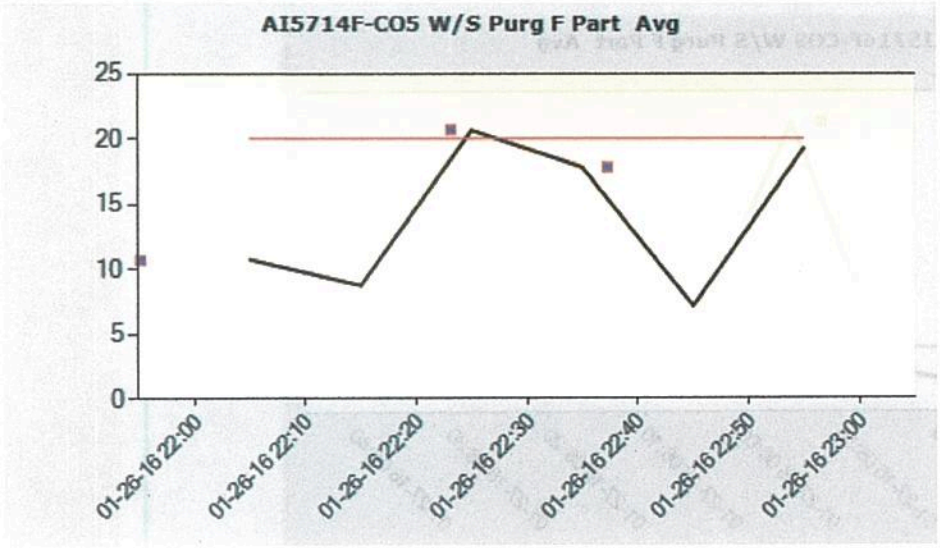
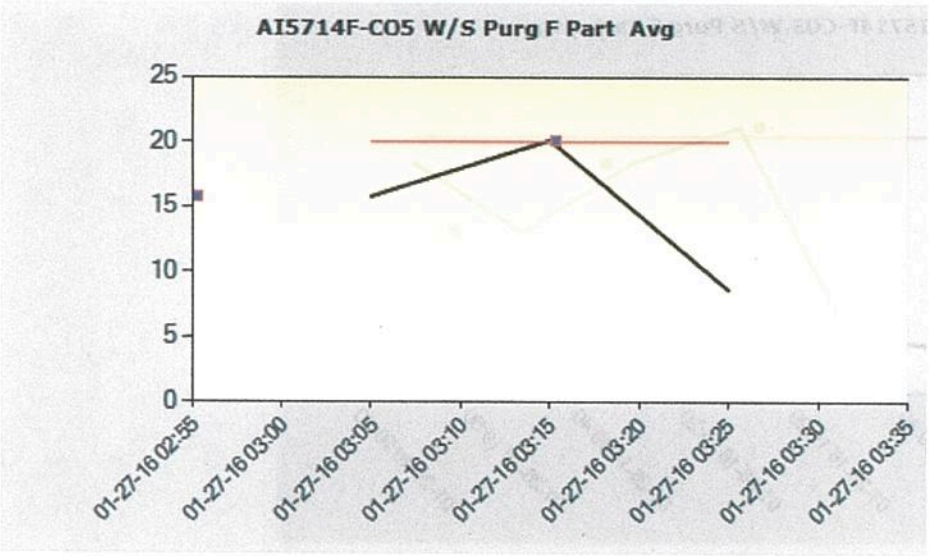


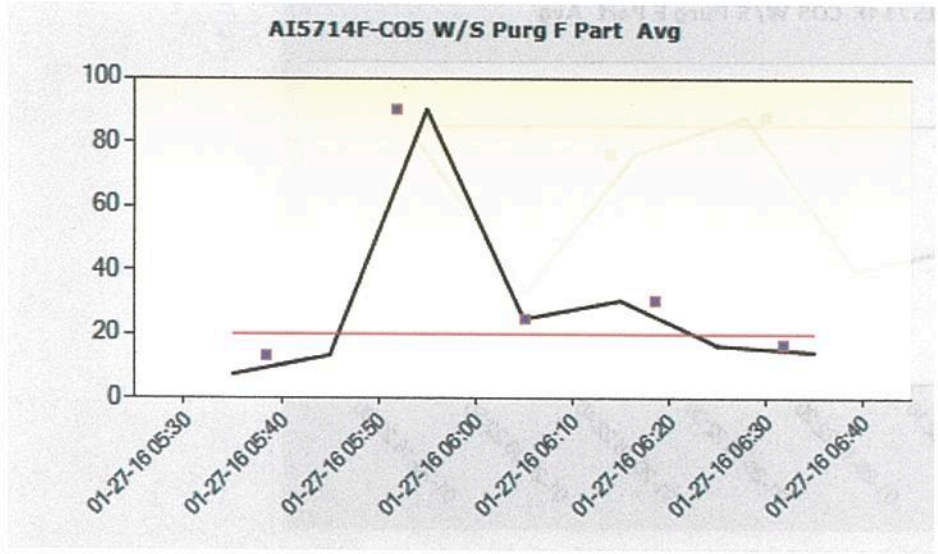
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 1/27/2016, 3:15 – 3:25



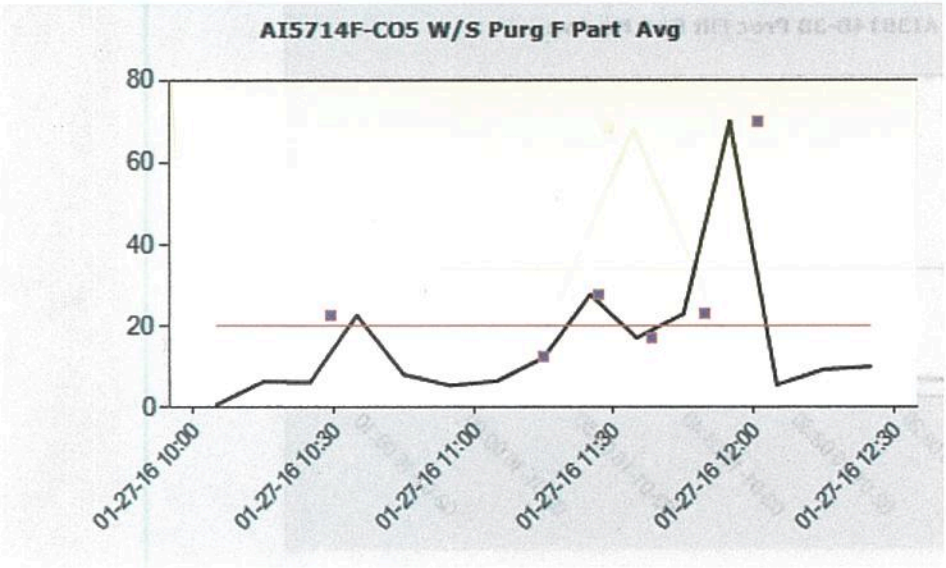
CO-5 W/S Purge Filter, 1/27/2016, 5:50 – 6:25



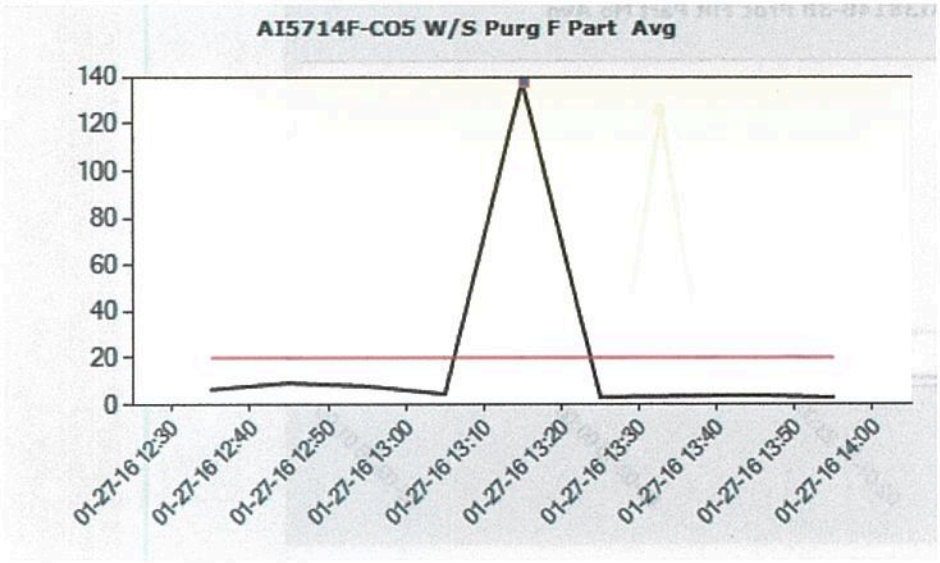
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 1/27/2016, 10:35 – 11:55



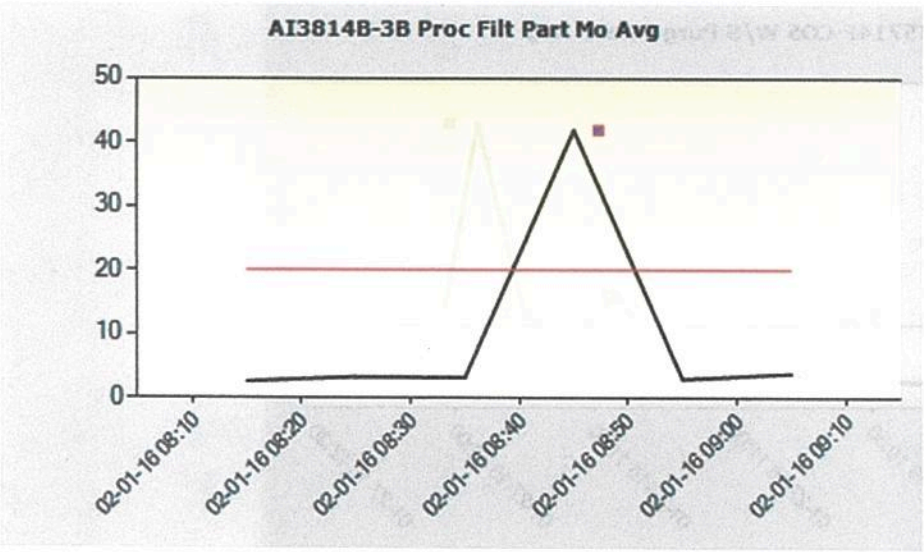
CO-5 W/S Purge Filter, 1/27/2016, 11:55 – 13:25



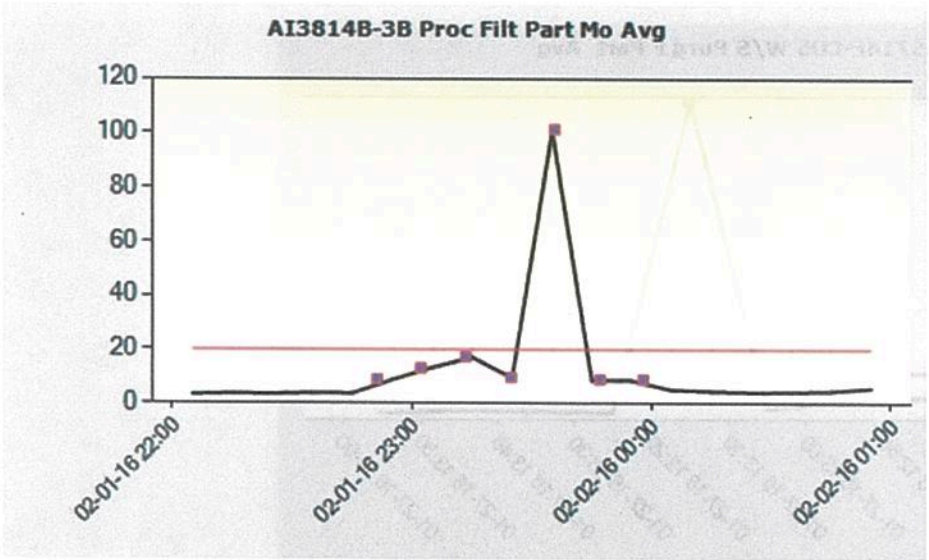
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-3B Process Filter, 2/1/2016, 8:45 – 8:55



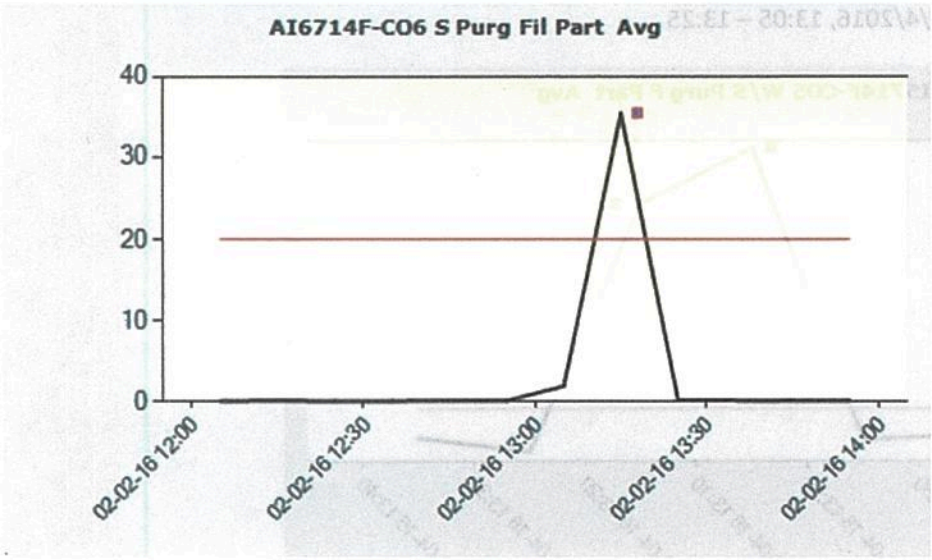
CO-3B Process Filter, 2/1/2016, 23:35 – 23:45



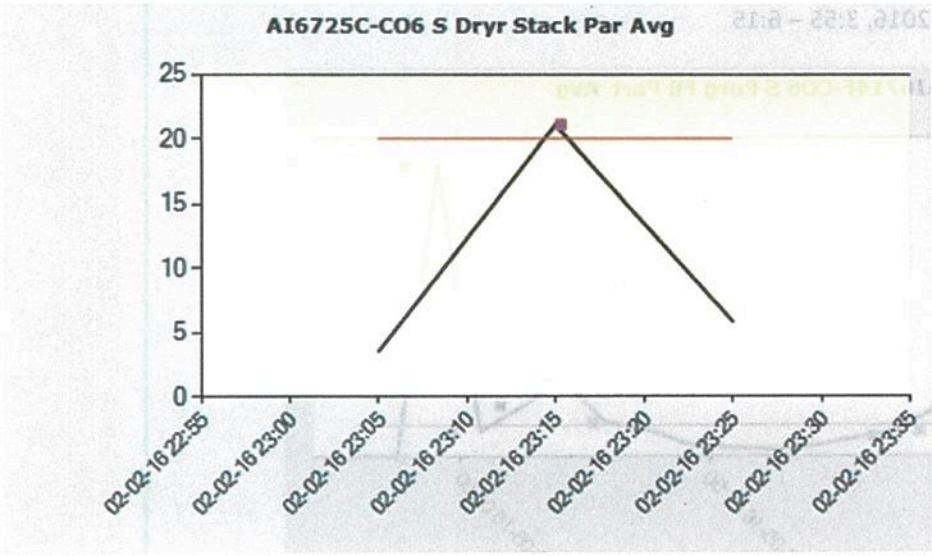
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-6 S Purge Filter, 2/2/2016, 13:15 – 13:25



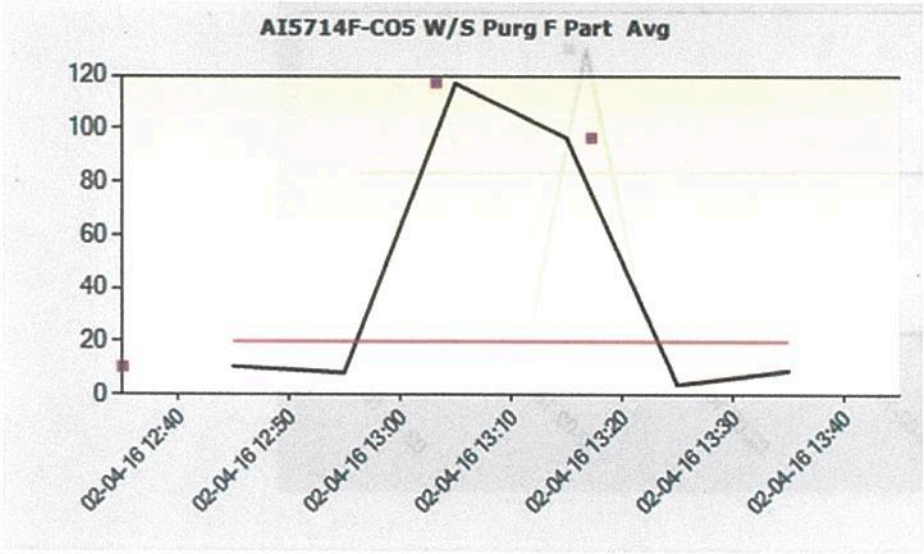
CO-6 S Dryer, 2/2/2016, 23:15 – 23:25



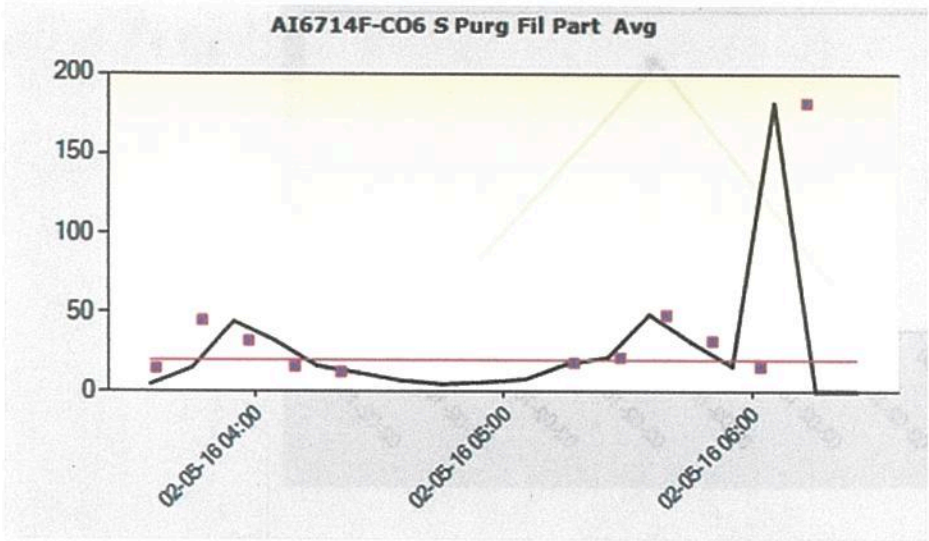
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 2/4/2016, 13:05 – 13:25



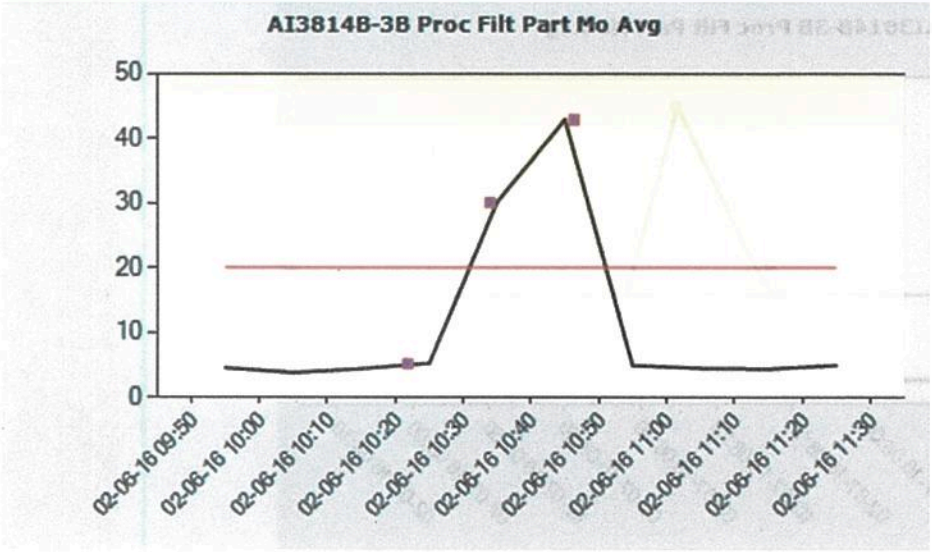
CO-6 S Purge Filter, 2/5/2016, 3:55 – 6:15



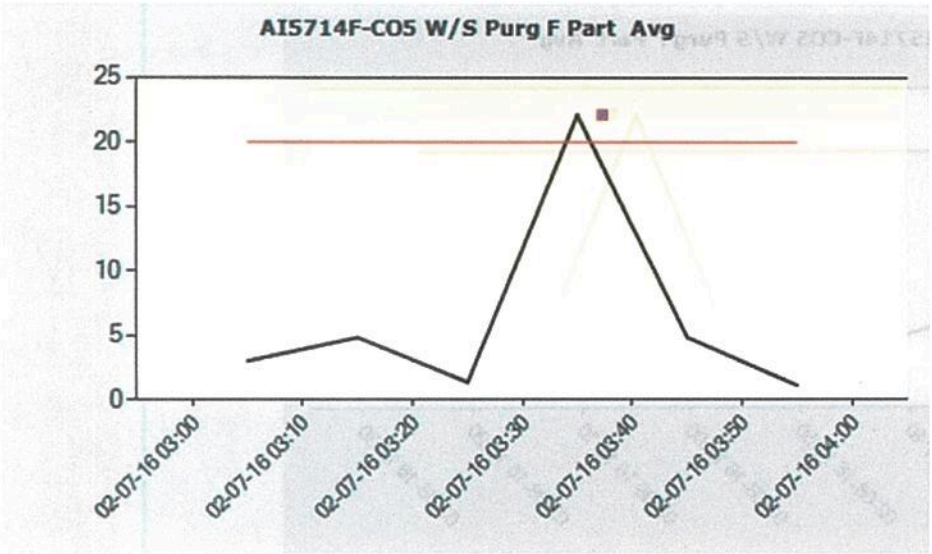
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-3B Process Filter, 2/6/2016, 10:35 – 10:55



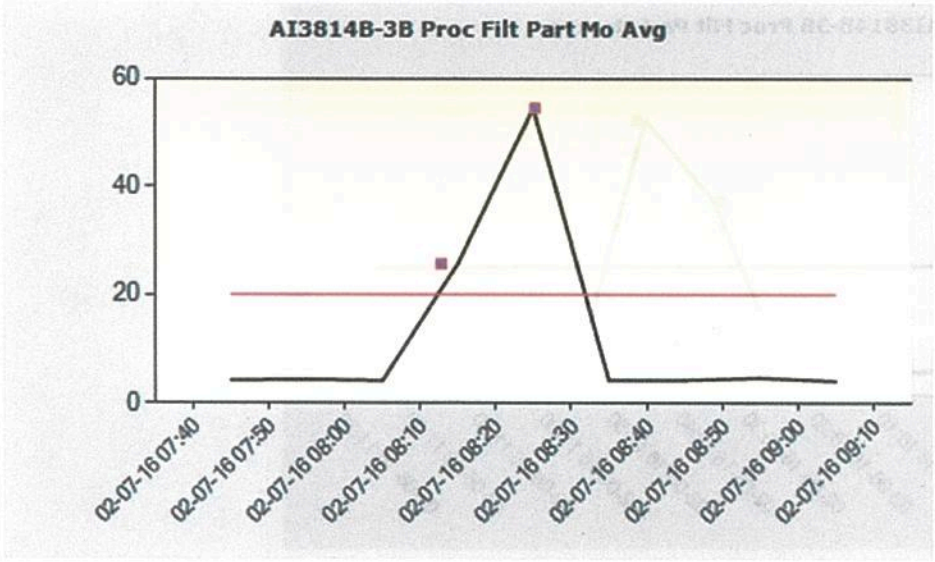
CO-5 W/S Purge Filter, 2/7/2016, 3:35 – 3:45



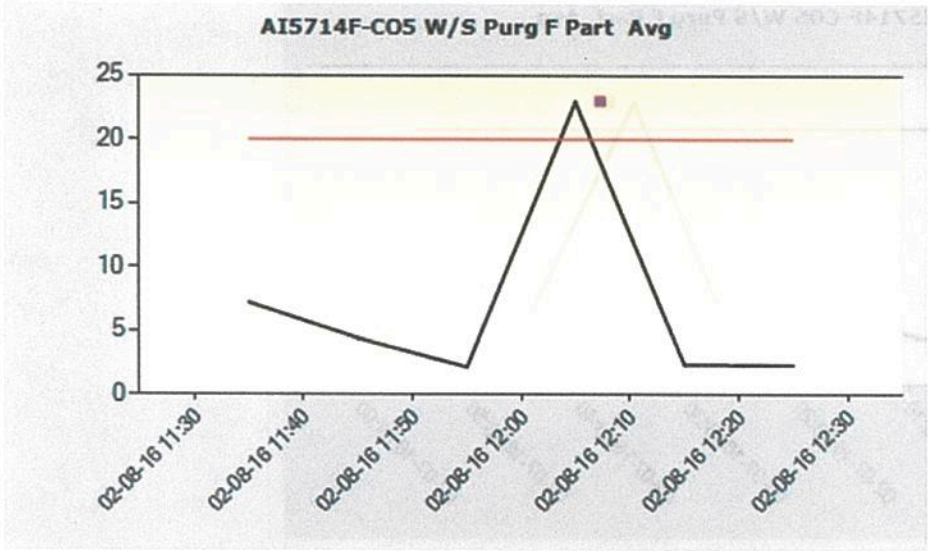
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-3B Process Filter, 2/7/2016, 8:15 – 8:35



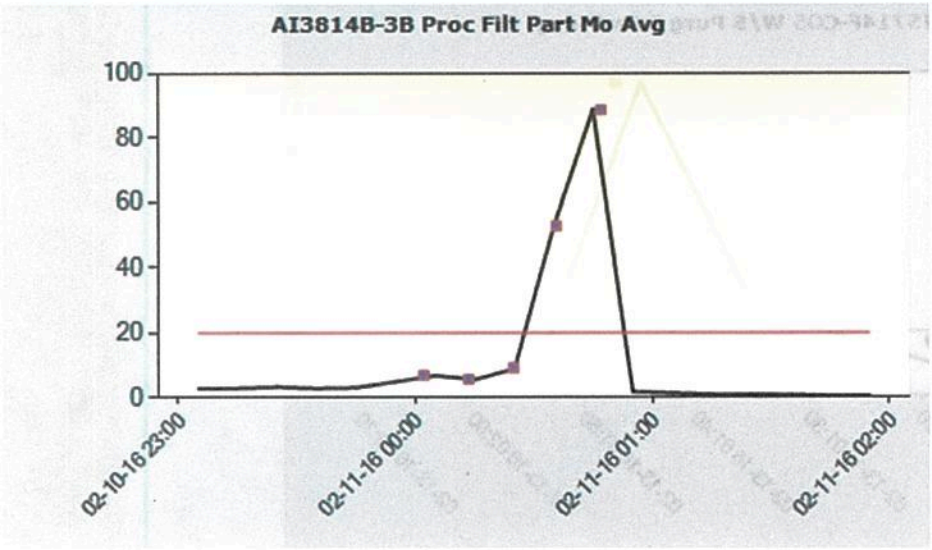
CO-5 W/S Purge Filter, 2/8/2016, 12:05 – 12:15



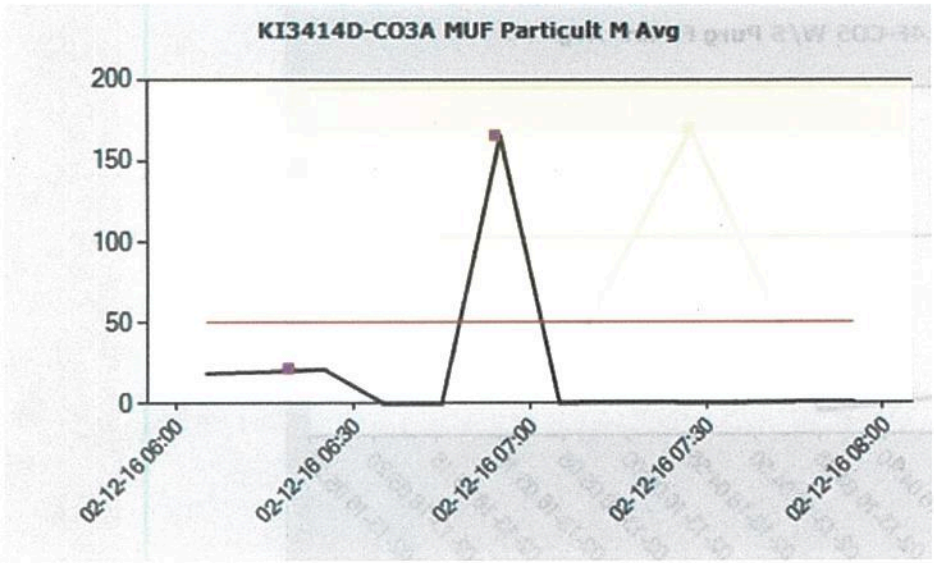
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-3B Process Filter, 2/11/2016, 00:35 – 00:55



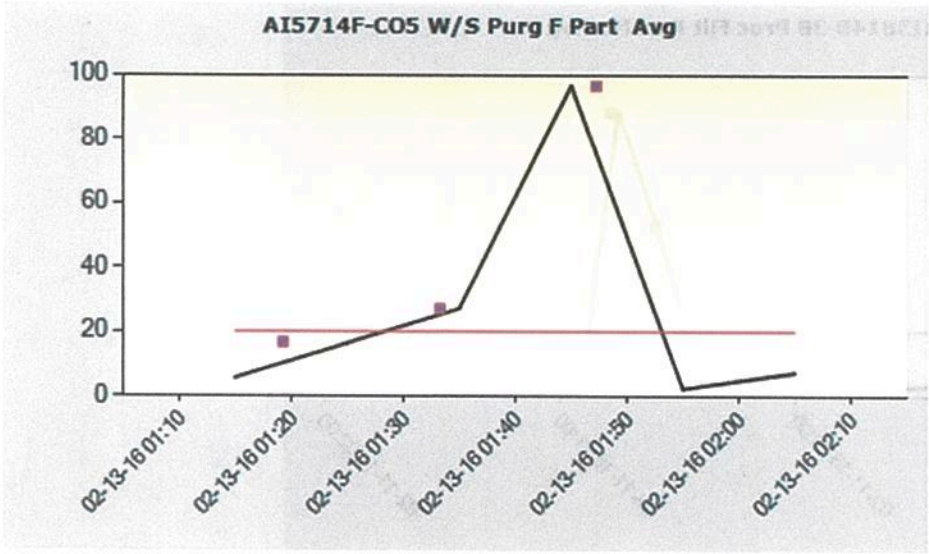
CO-3A MUF, 2/12/2016, 6:55 – 7:05



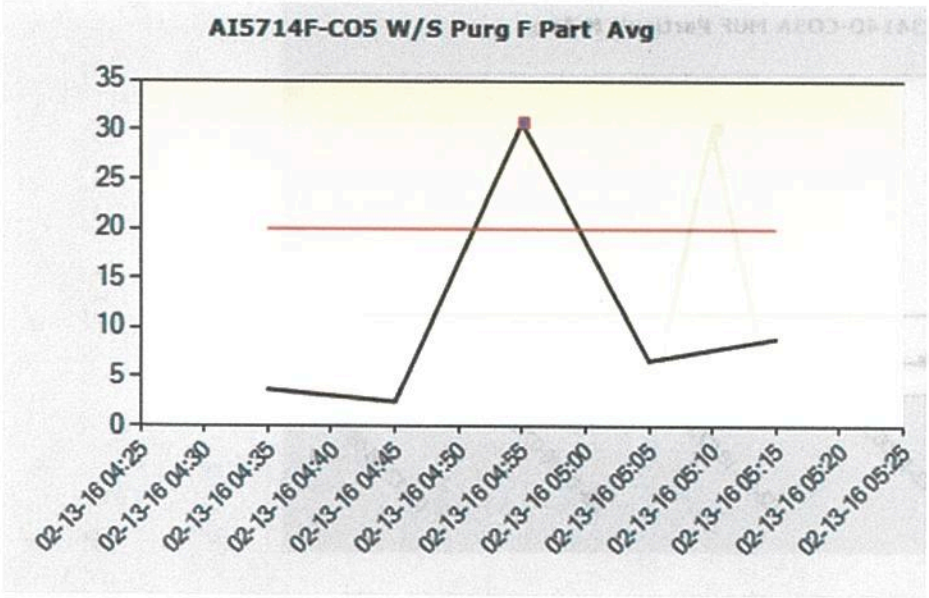
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-5 W/S Purge Filter, 2/13/2016, 1:35 – 1:55



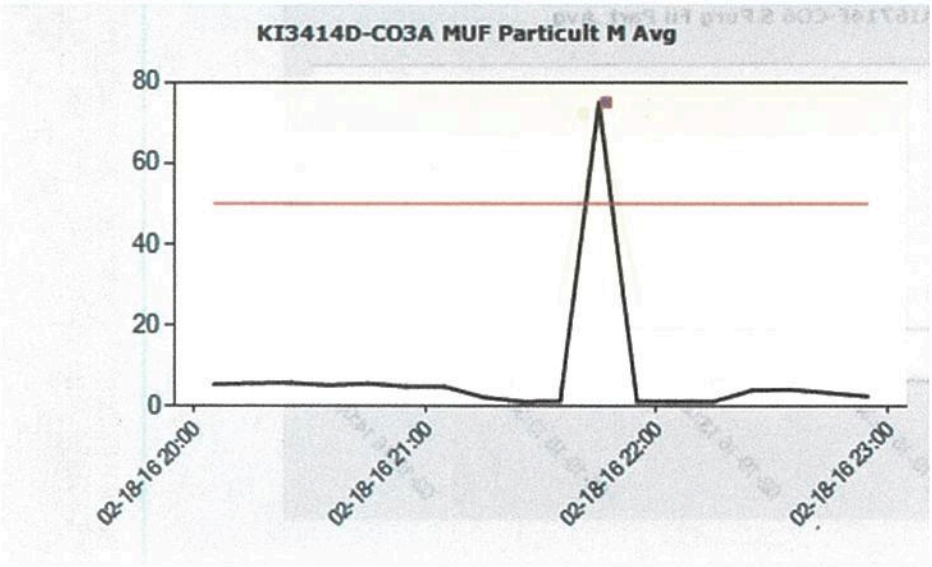
CO-5 W/S Purge Filter, 2/13/2016, 4:55 – 5:05



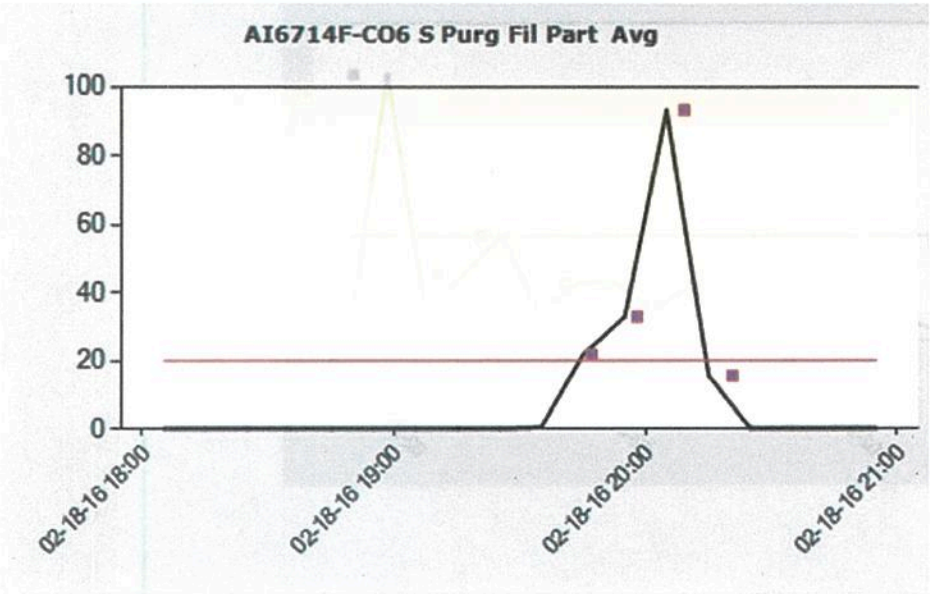
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

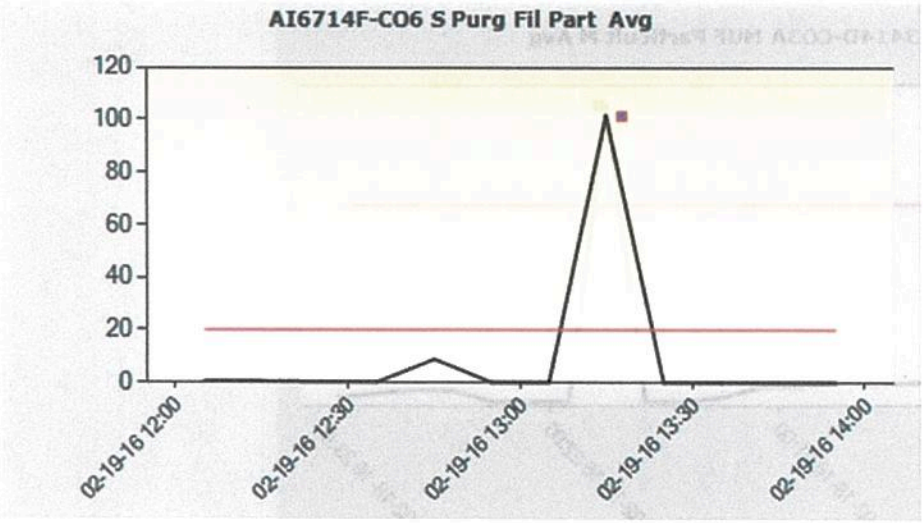
CO-3A MUF, 2/18/2016, 21:45 – 21:55



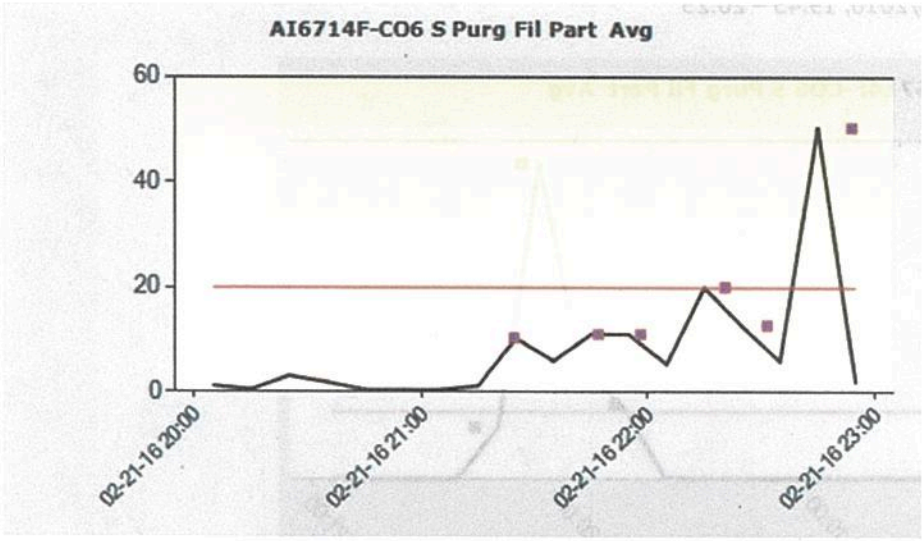
CO-6 S Purge Filter, 2/18/2016, 19:45 – 20:25



CO-6 S Purge Filter, 2/19/2016, 13:15-13:25



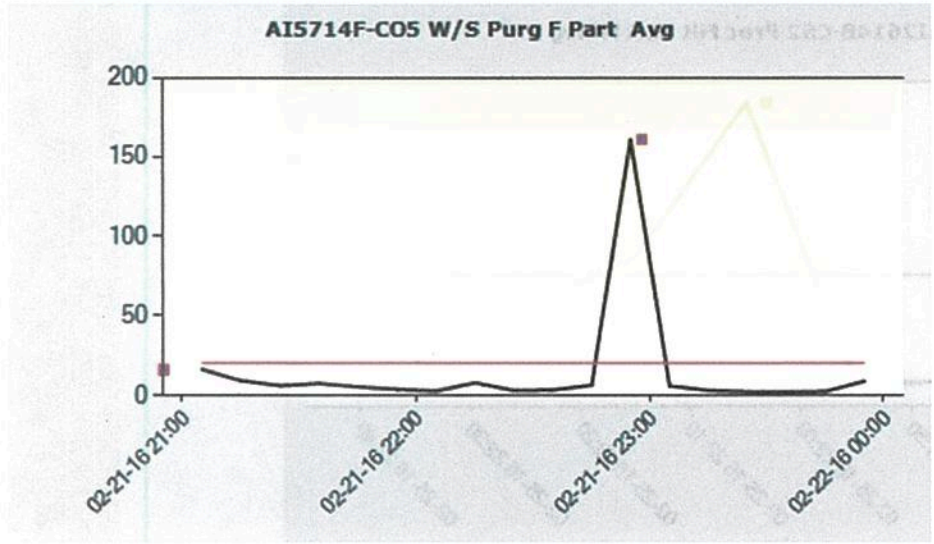
CO-6 S Purge Filter, 2/21/2016, 22:15 – 22:55



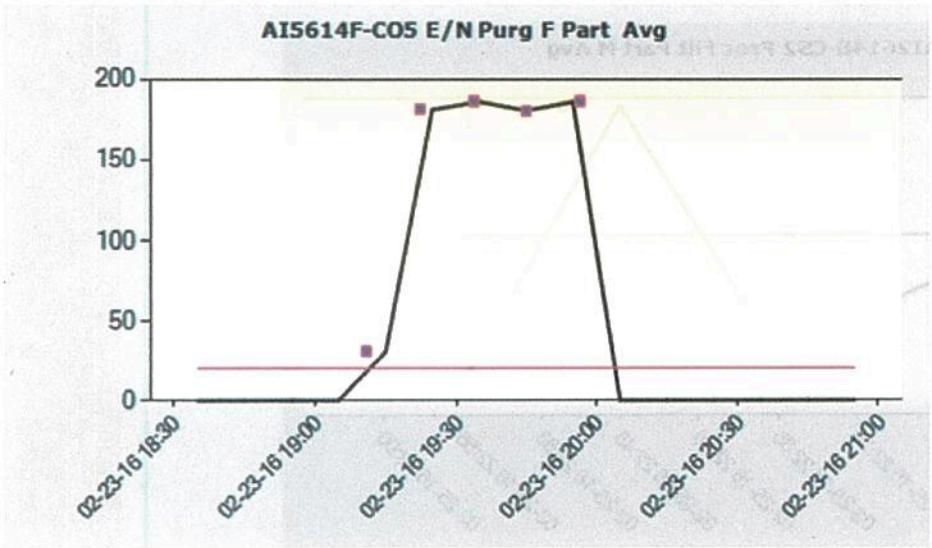
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

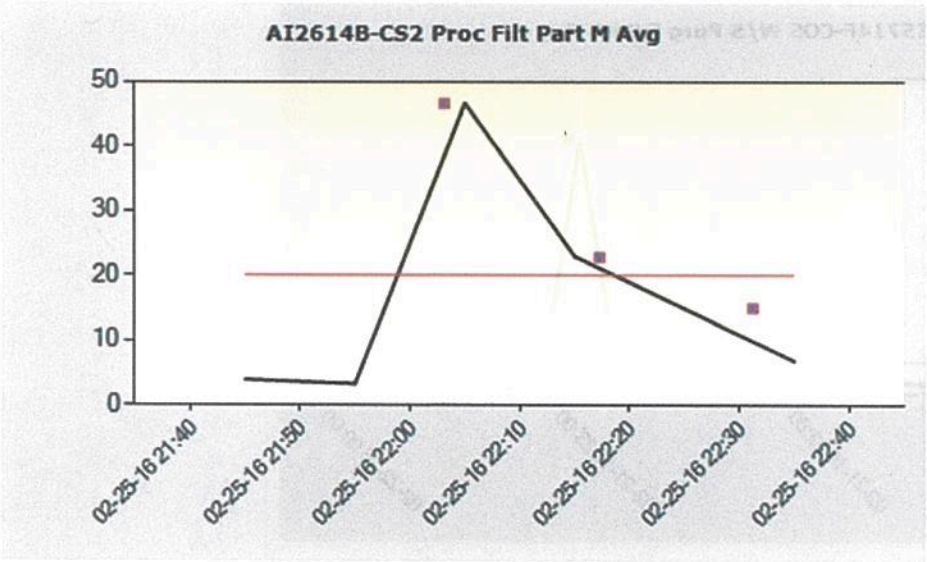
CO-5 W/S Purge Filter, 2/21/2016, 22:55 – 23:05



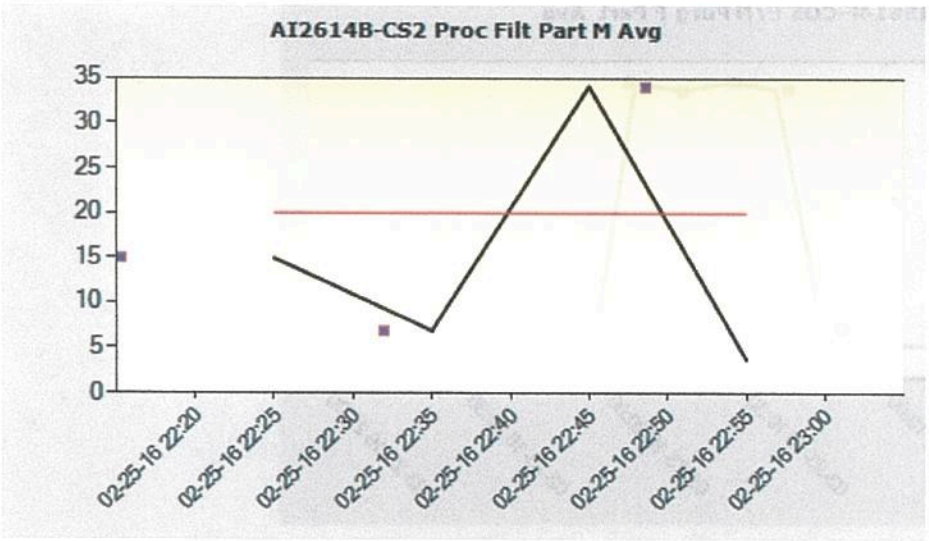
CO-5 E/N Purge Filter, 2/23/2016, 19:15 – 20:05



CS-2 Process Filter, 2/25/2016, 22:05 – 22:25



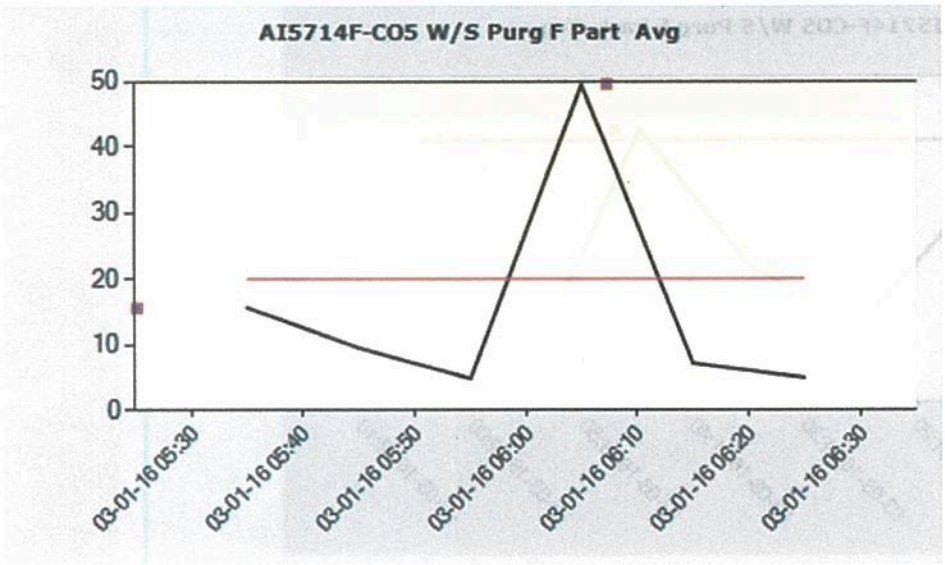
CS-2 Process Filter, 2/25/2016, 22:45 – 22:55



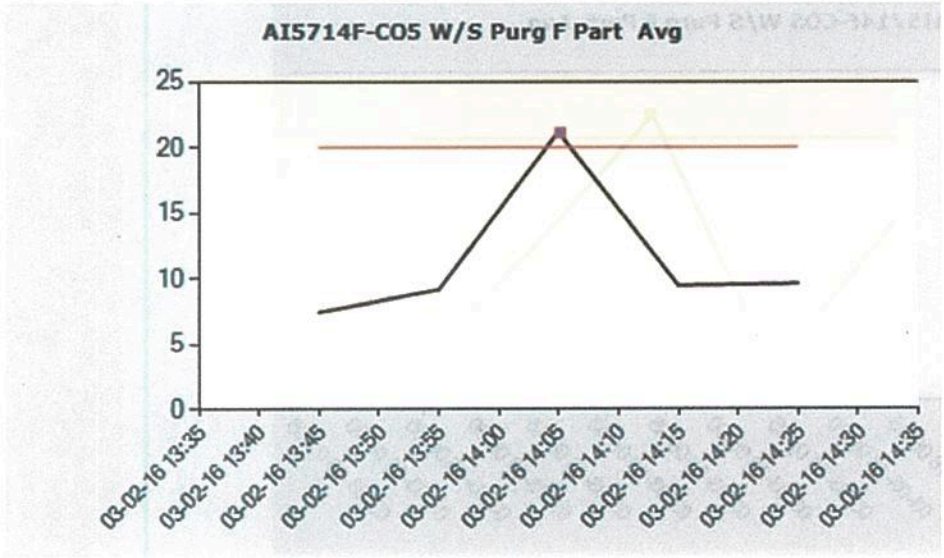
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 3-1-16, 6:05 – 6:15



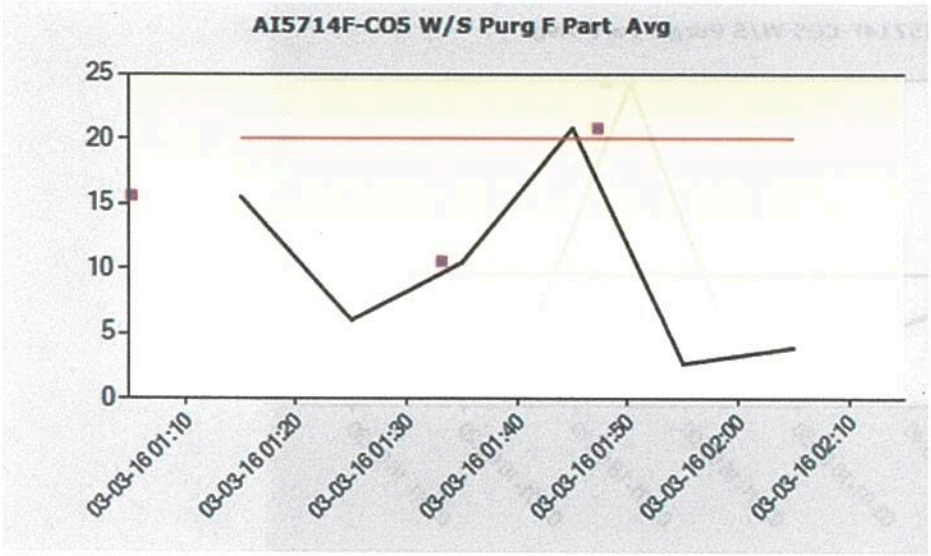
CO5 W/S Purge Filter, 3-2-16, 14:05 – 14:15



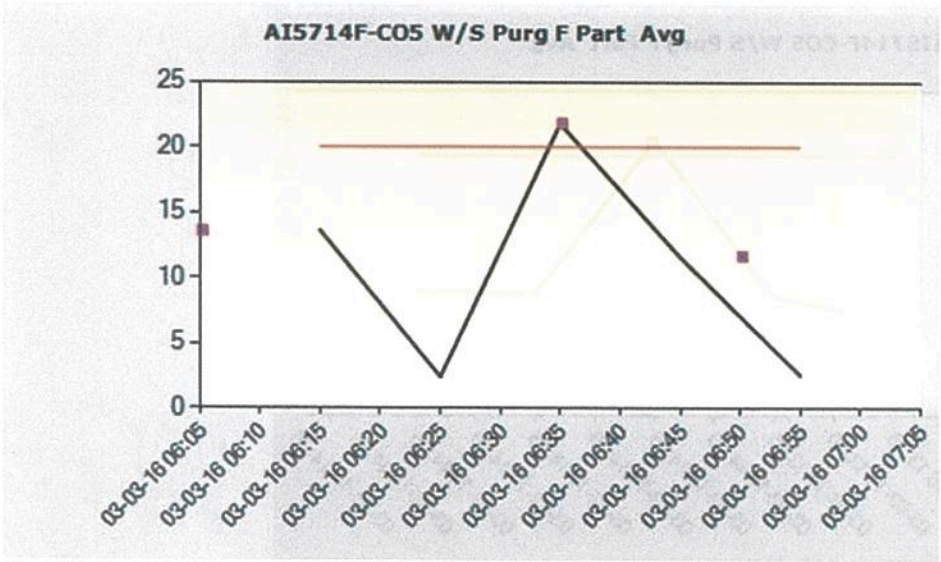
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 3-3-16, 1:45 – 1:55



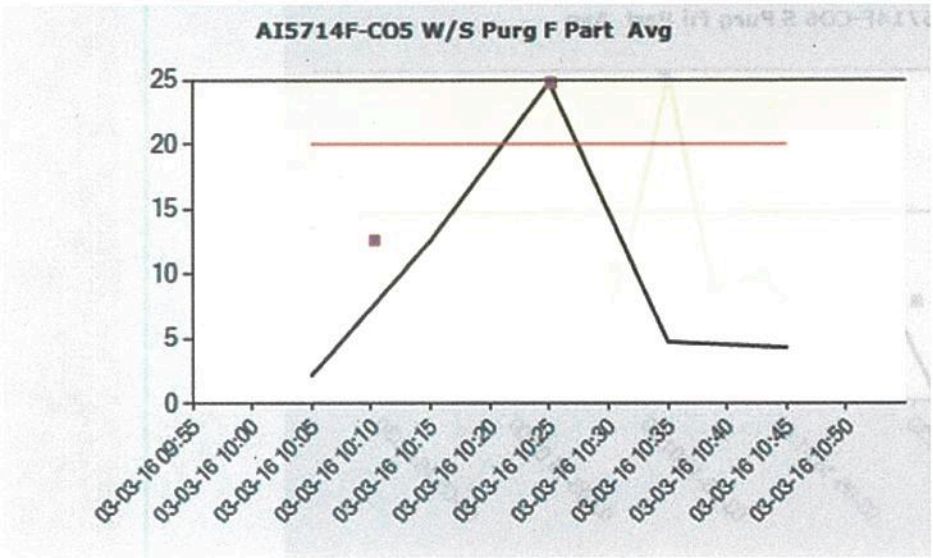
CO5 W/S Purge Filter, 3-3-16, 6:35 – 6:45



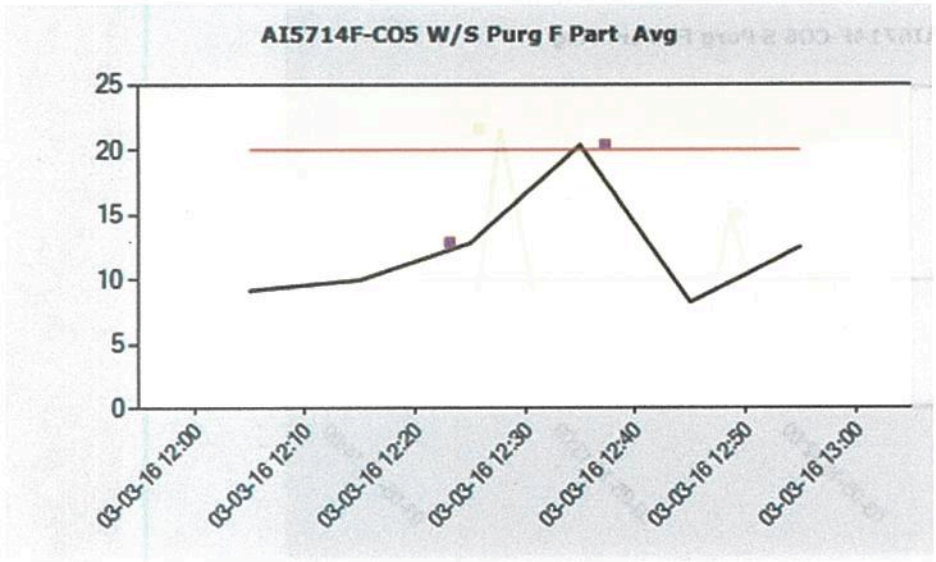
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

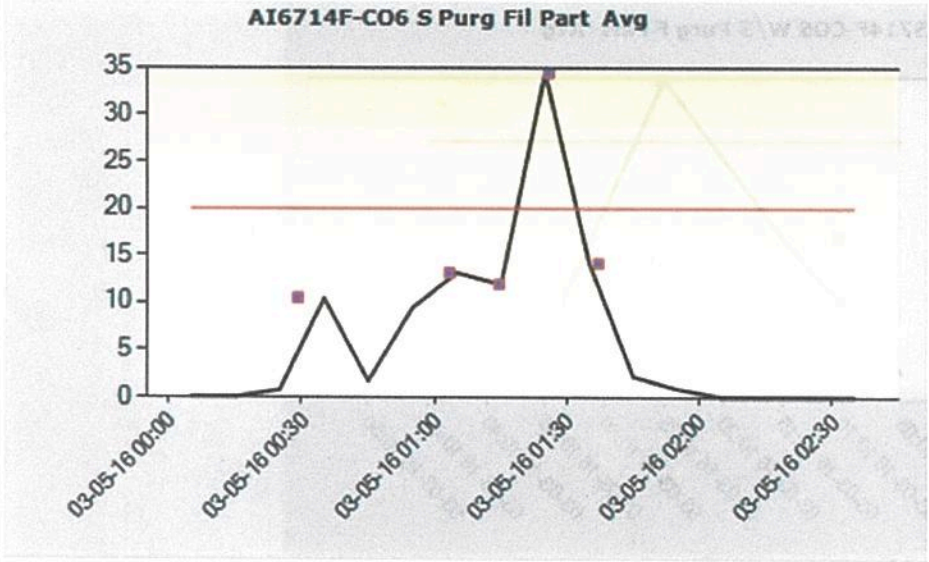
CO5 W/S Purge Filter, 3-3-16, 10:25 – 10:35



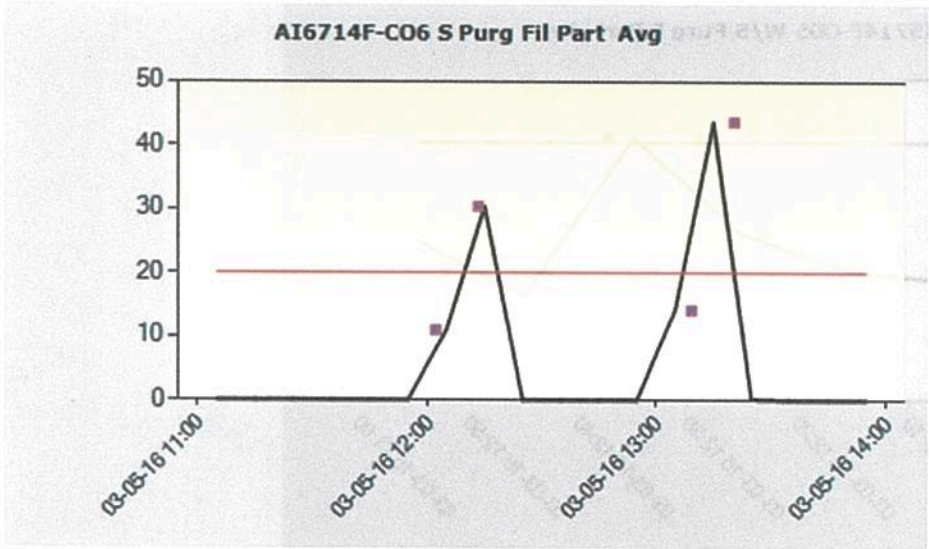
CO5 W/S Purge Filter, 3-3-16, 12:35 – 12:45



CO6 S Purge Filter, 3-5-16, 1:25 – 1:35



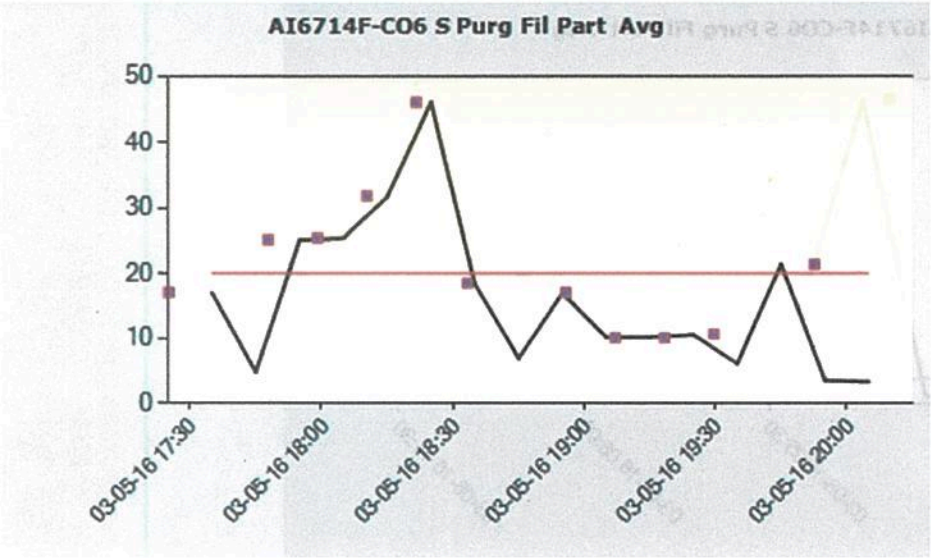
CO6 S Purge Filter, 3-5-16, 12:15 – 13:25



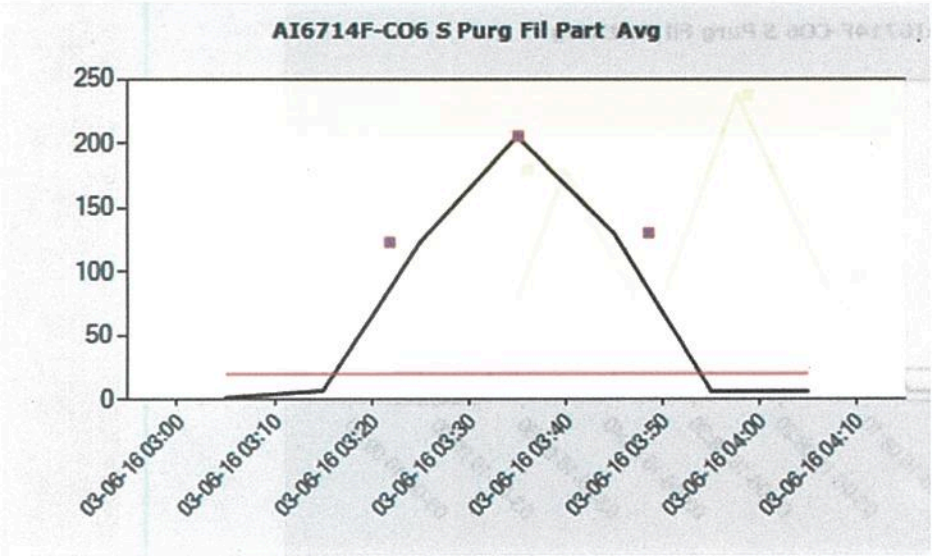
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

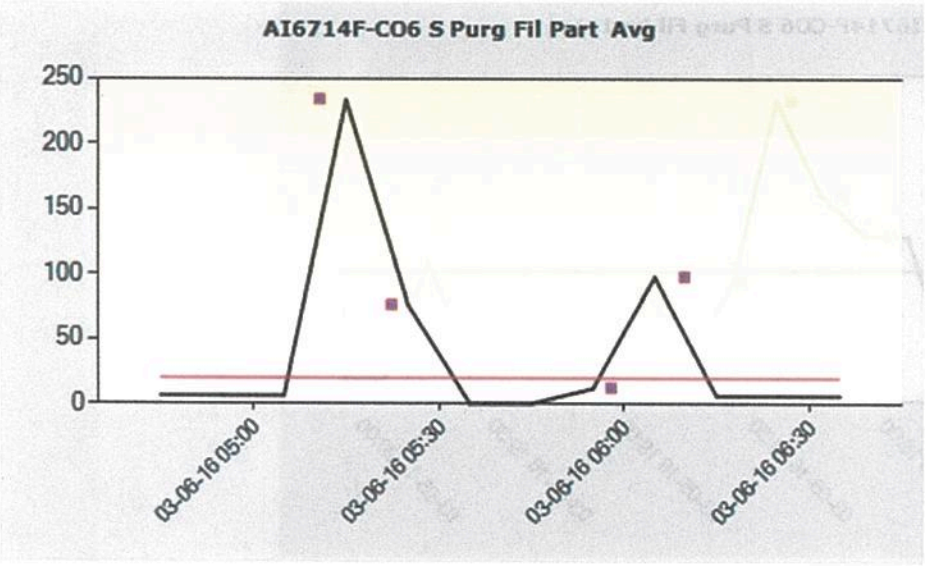
CO6 S Purge Filter, 3-5-16, 17:55 – 19:55



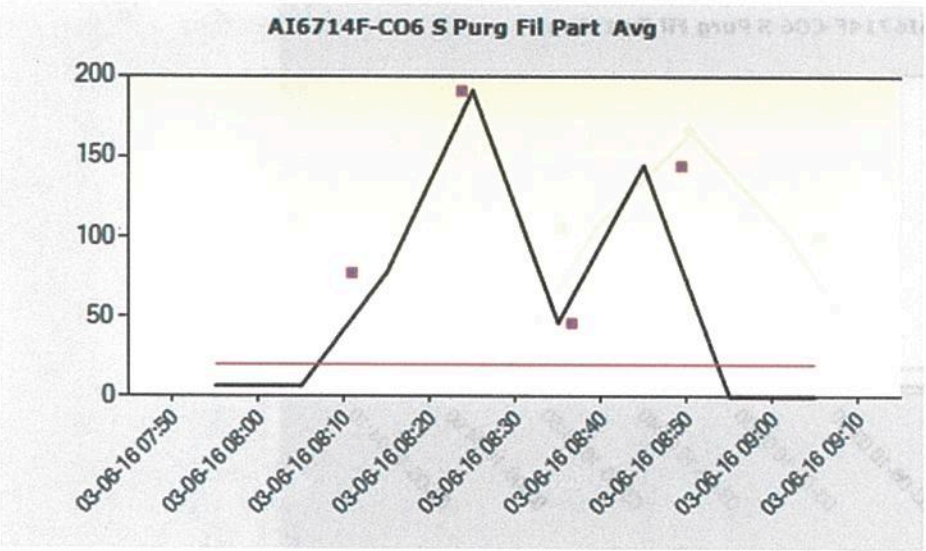
CO6 S Purge Filter, 3-6-16, 3:25 – 3:55



CO6 S Purge Filter, 3-6-16, 5:15 – 6:15



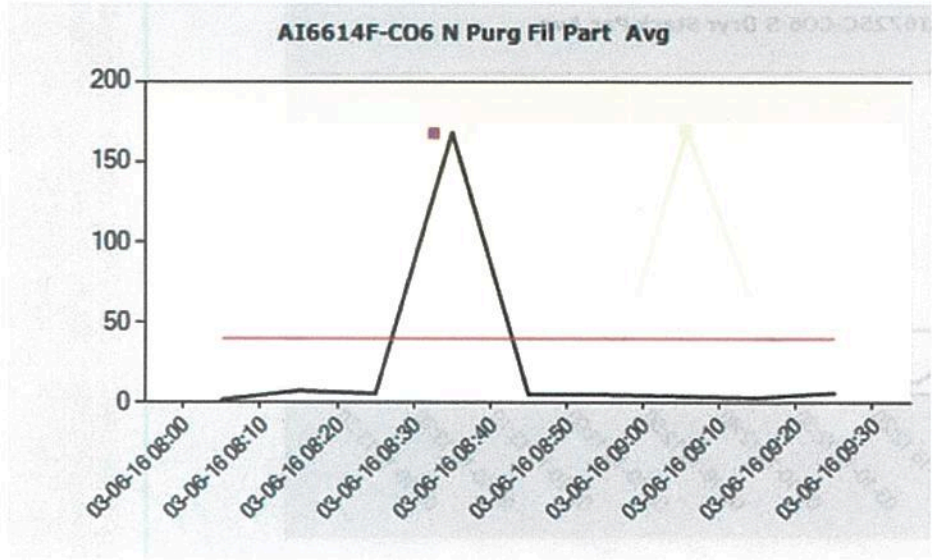
CO6 S Purge Filter, 3-6-16, 8:15 – 8:55



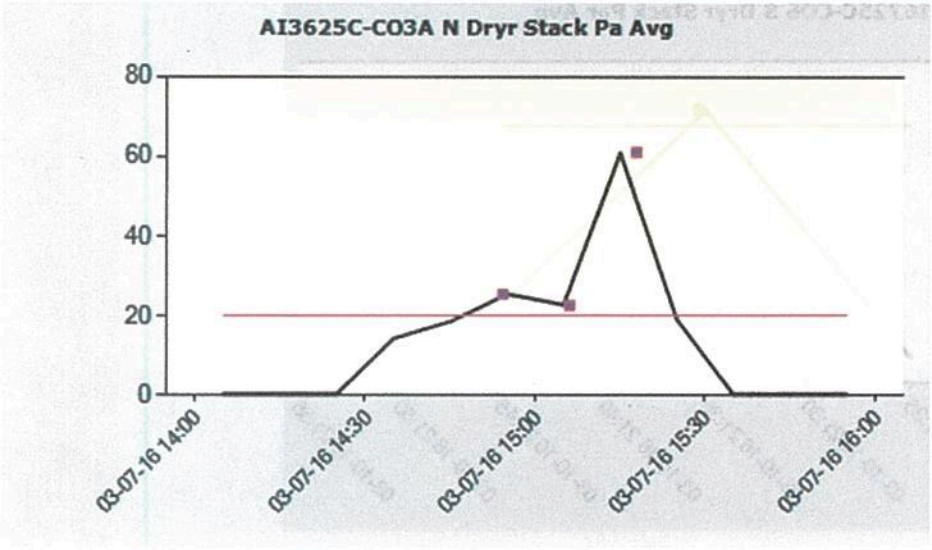
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 N Purge Filter, 3-6-16, 8:35 – 8:45



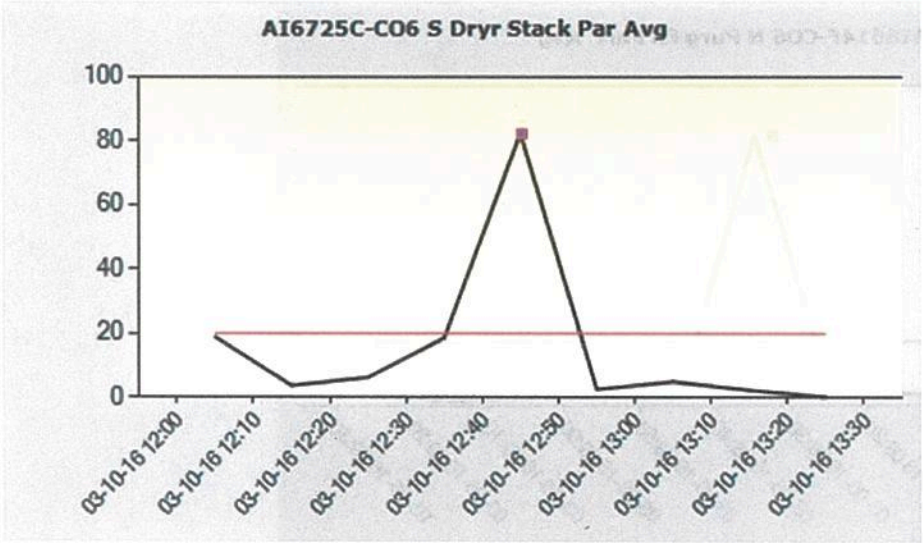
CO3A N Dryer, 3-7-16, 14:55 – 15:25



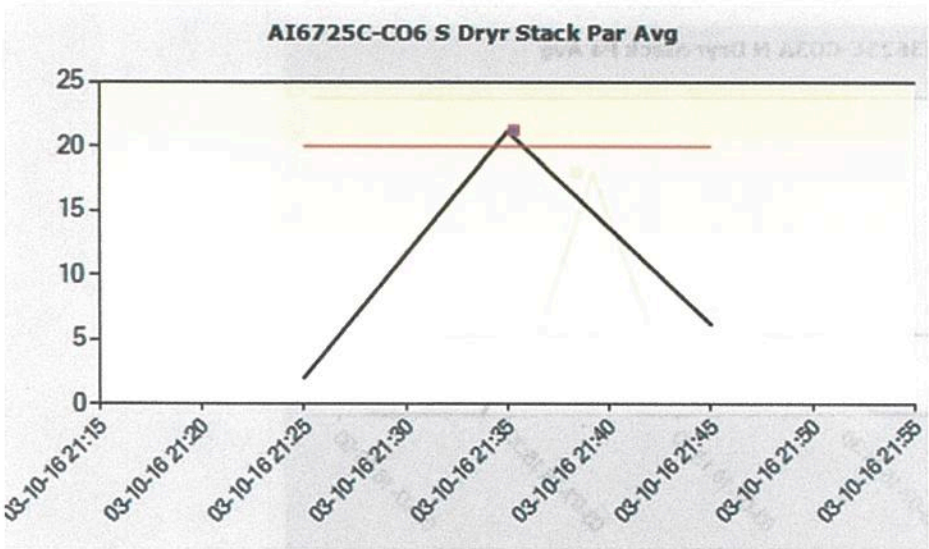
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Dryer, 3-10-16, 12:45 – 12:55



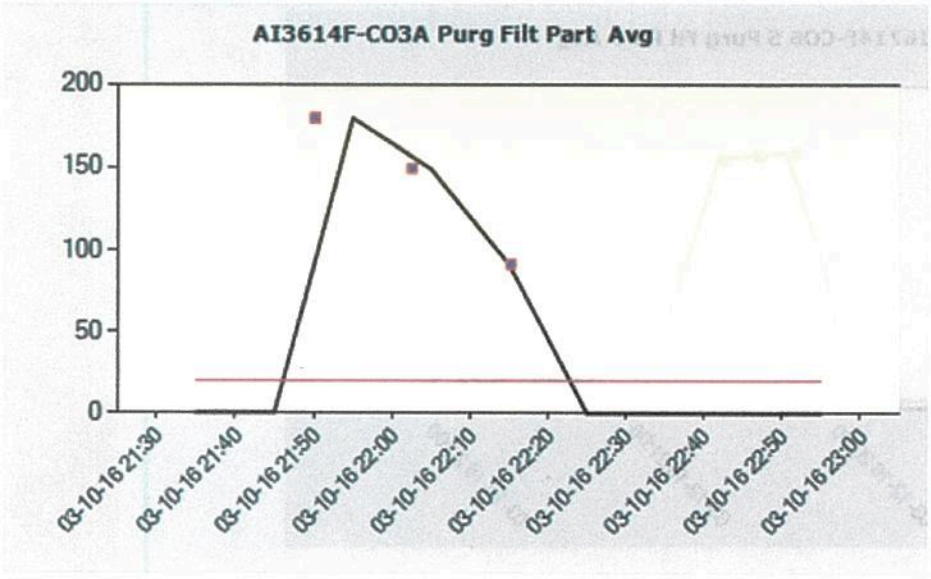
CO6 S Dryer, 3-10-16, 21:35 – 21:45



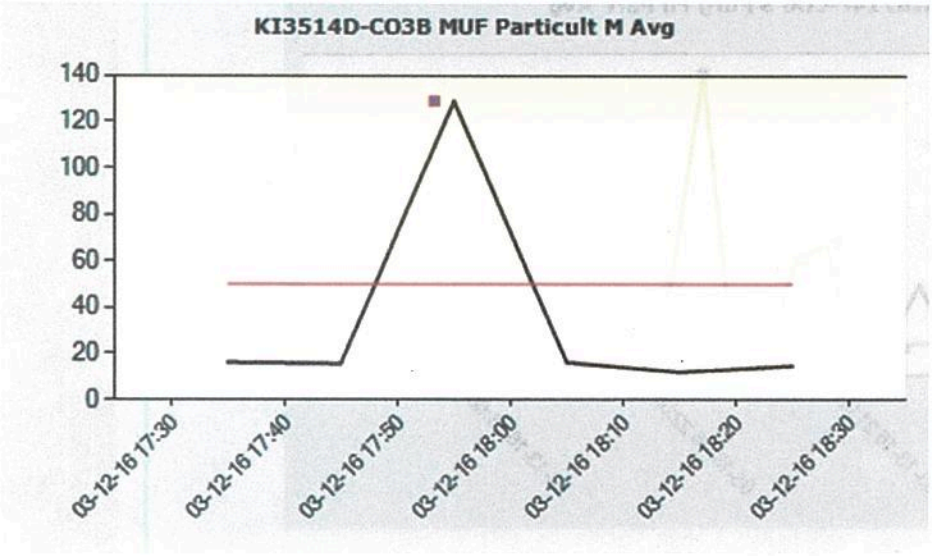
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO-3A Purge Filter, 3-10-16, 21:55 – 22:25



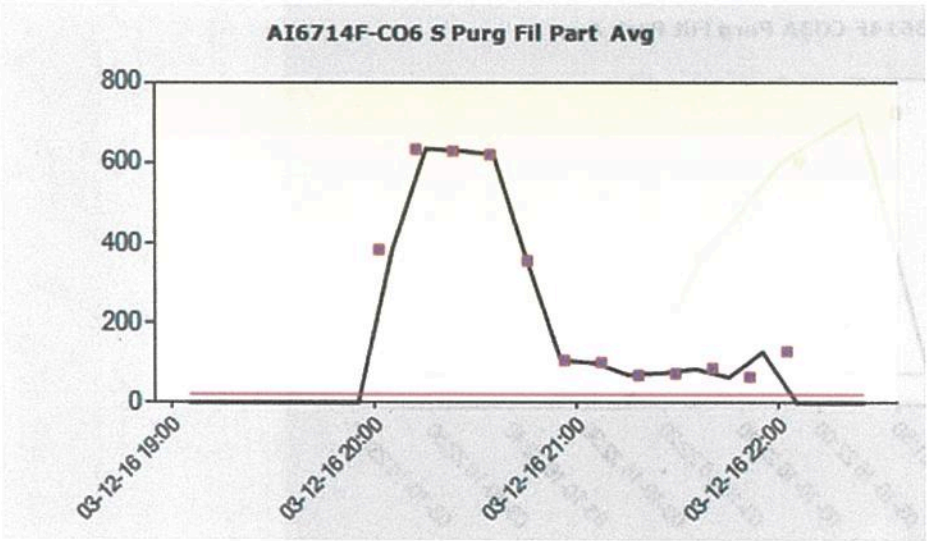
CO3B MUF, 3-12-16, 17:55 – 18:05



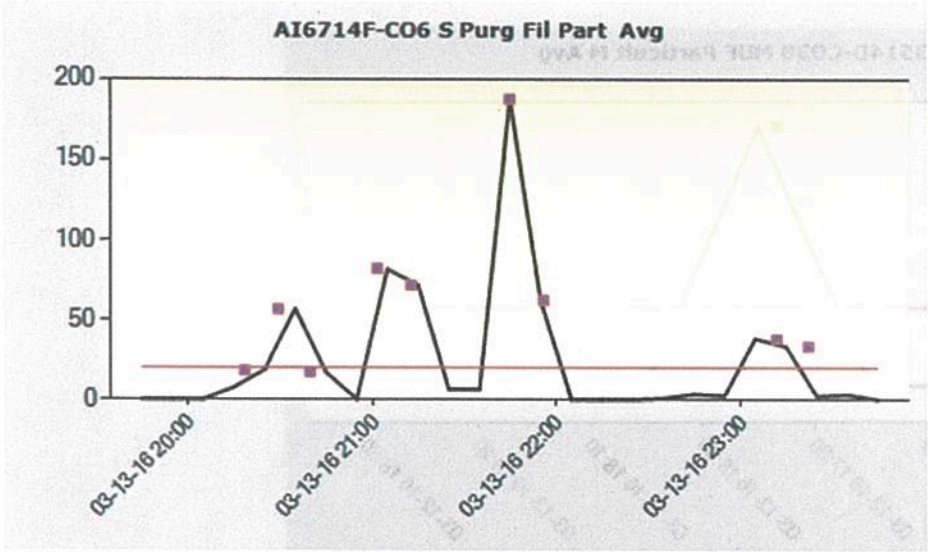
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 3-12-16, 20:05 – 22:05



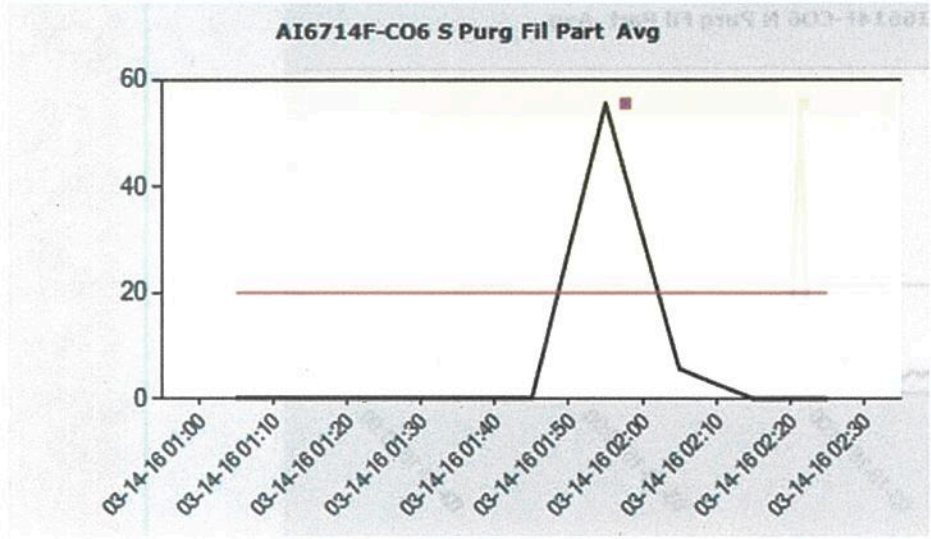
CO6 S Purge Filter, 3-13-16, 20:25 – 23:25



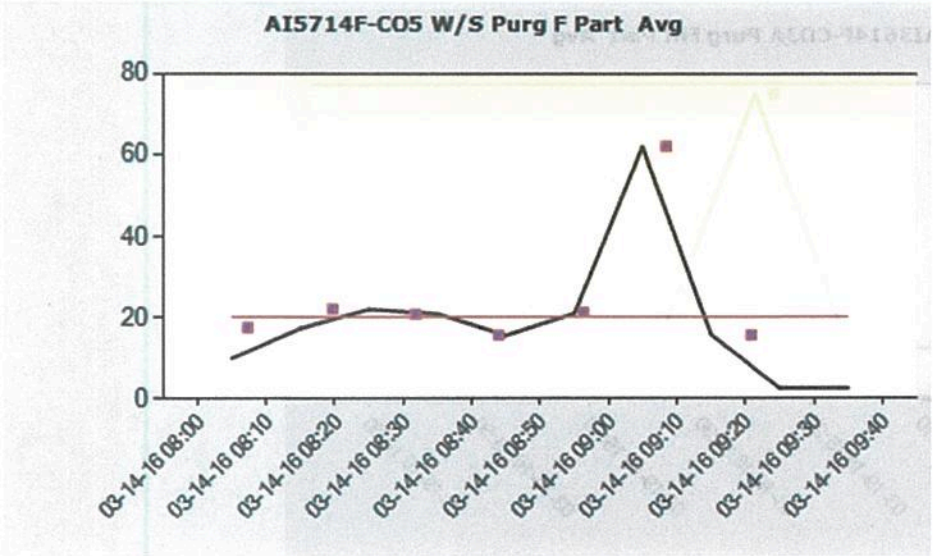
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 3-14-16, 1:55 – 2:05



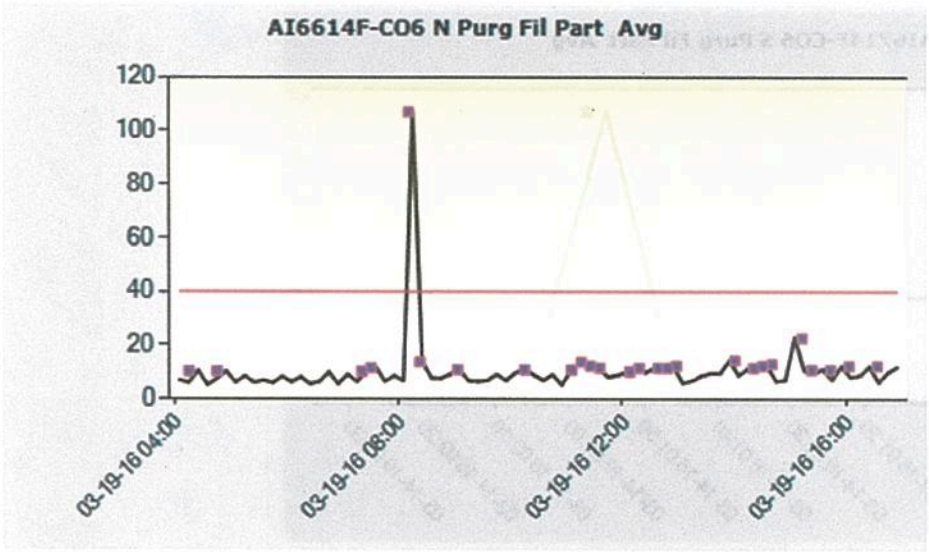
CO5 W/ S Purge Filter, 3-14-16, 8:25 – 9:15



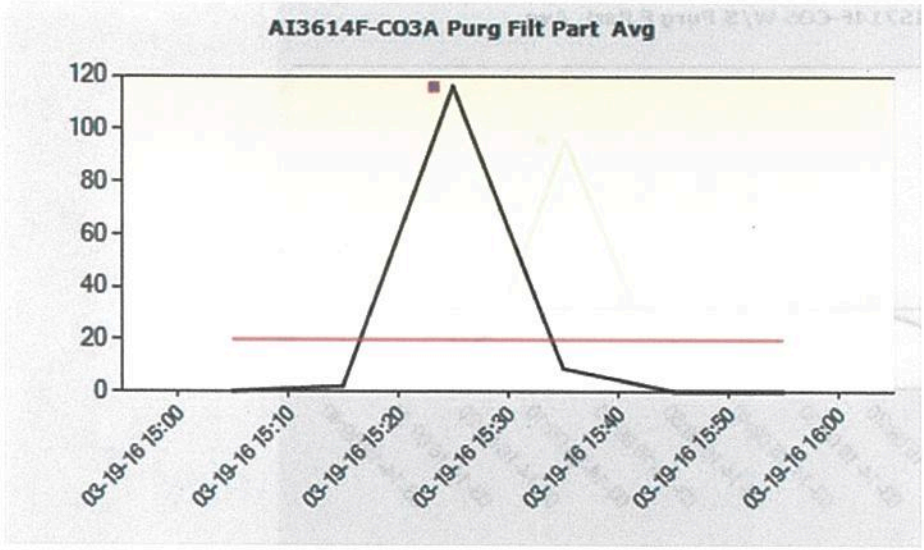
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 N Purge Filter, 3-19-16, 8:15 – 8:25



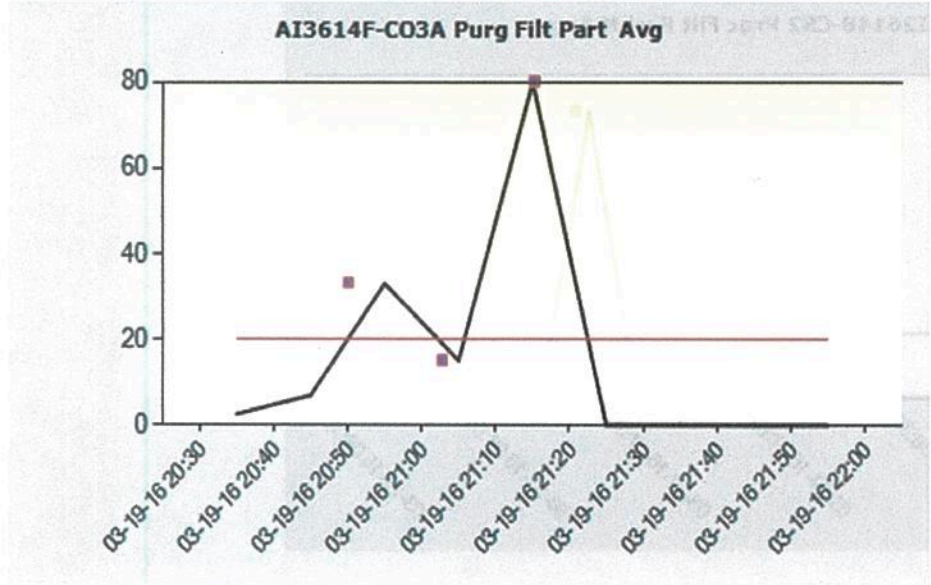
CO3A Purge Filter, 3-19-16, 15:25 – 15:35



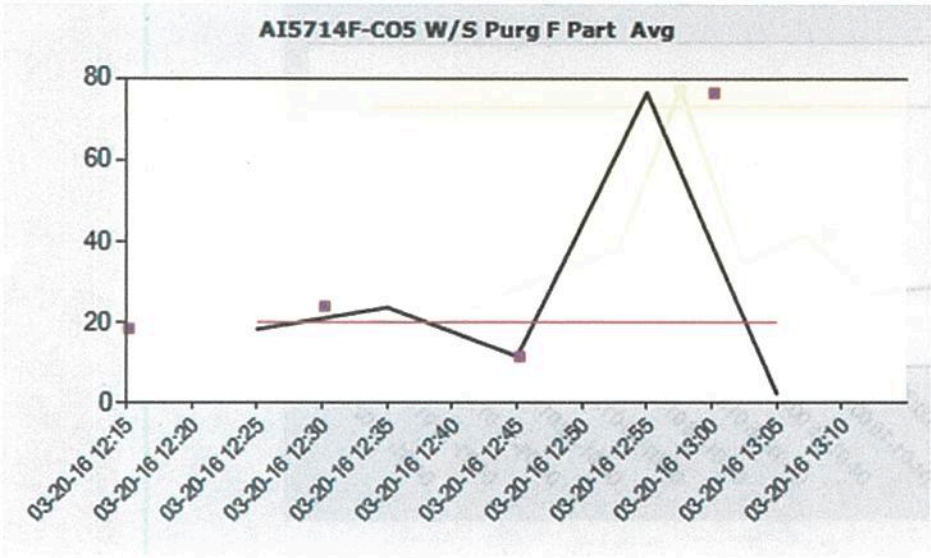
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3A Purge Filter, 3-19-16, 20:55 – 21:25



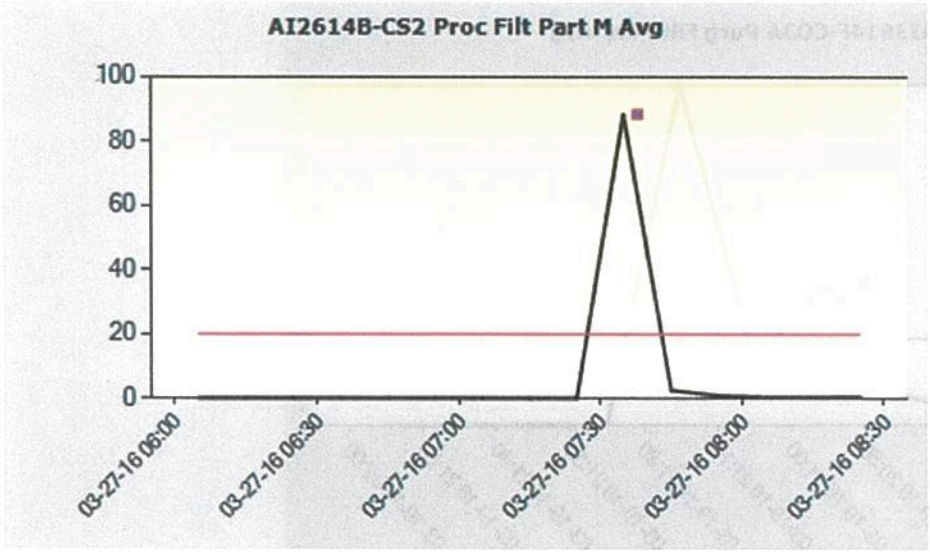
CO5 W/S Purge Filter, 3-20-16, 12:35– 13:05



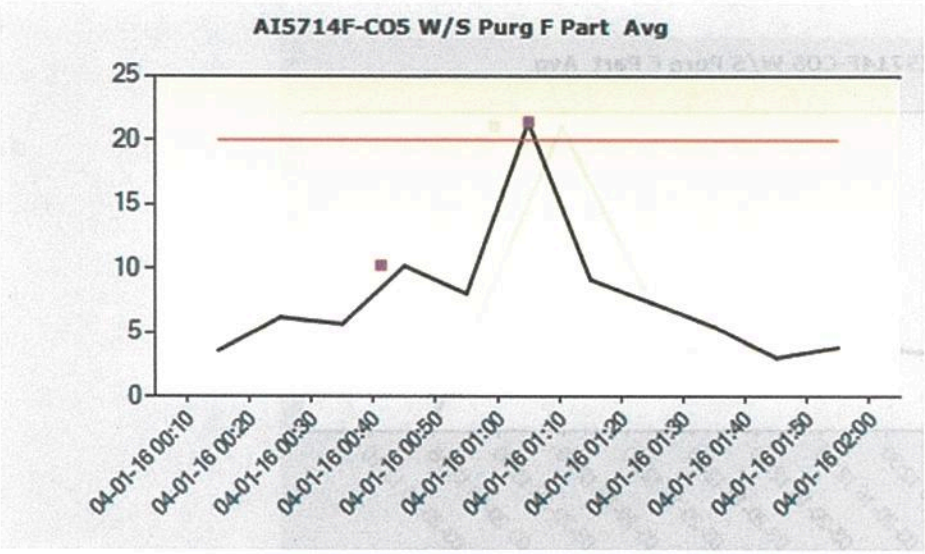
CANAL PLANT

REPORTING PERIOD: **JULY 1, 2016 – DECEMBER 31, 2016**

CS2 Process Filter, 3-27-16, 7:35– 7:45



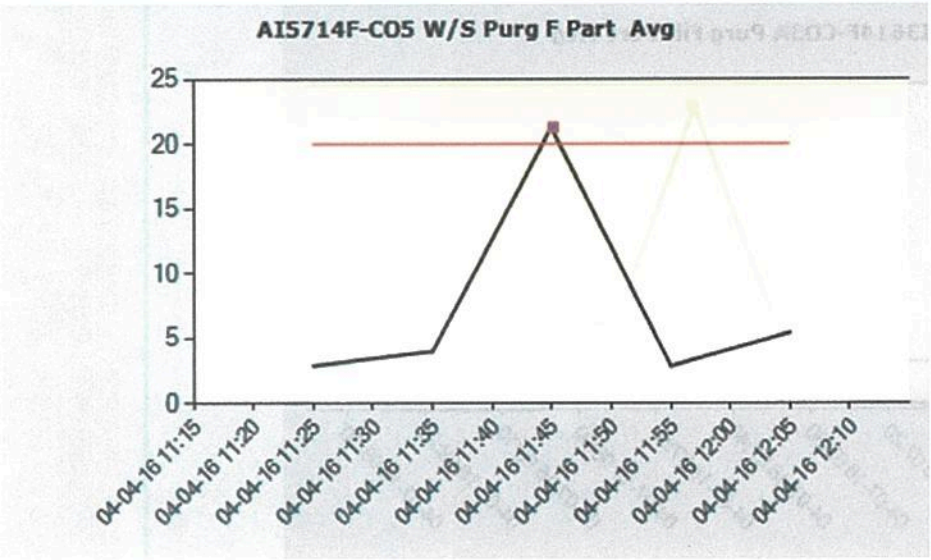
CO5 W/S Purge Filter, 4-1-16, 1:05– 1:15



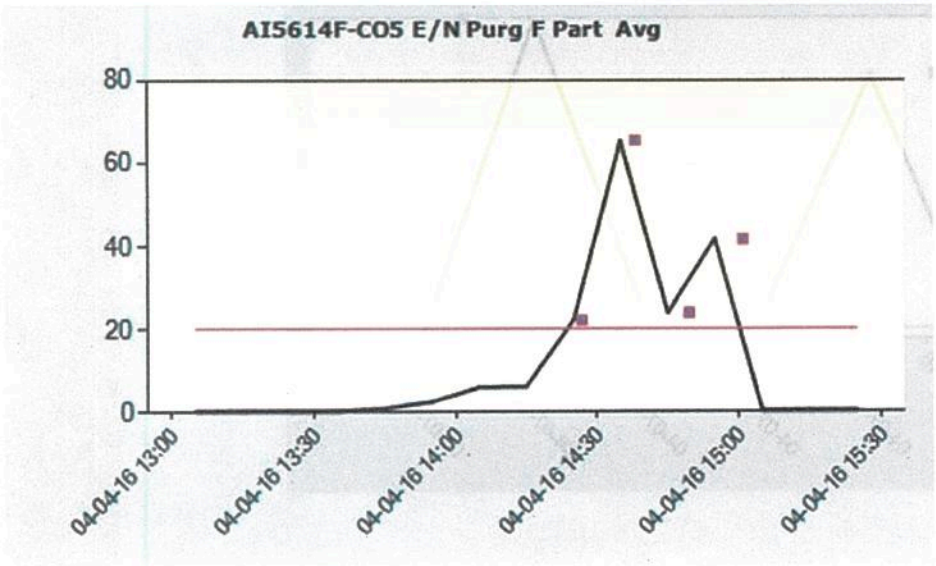
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 4-4-16, 11:45– 11:55



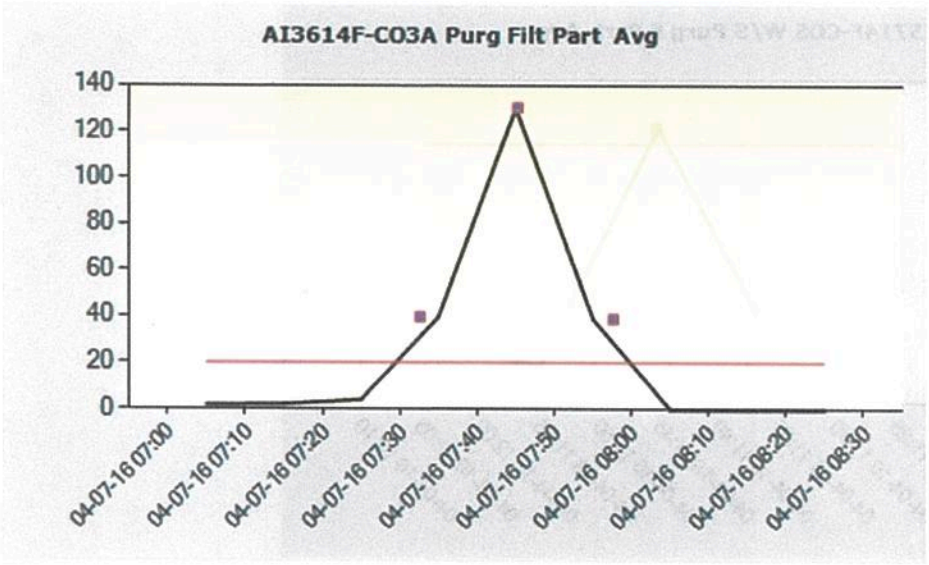
CO5 E/N Purge Filter, 4-4-16, 14:25– 15:05



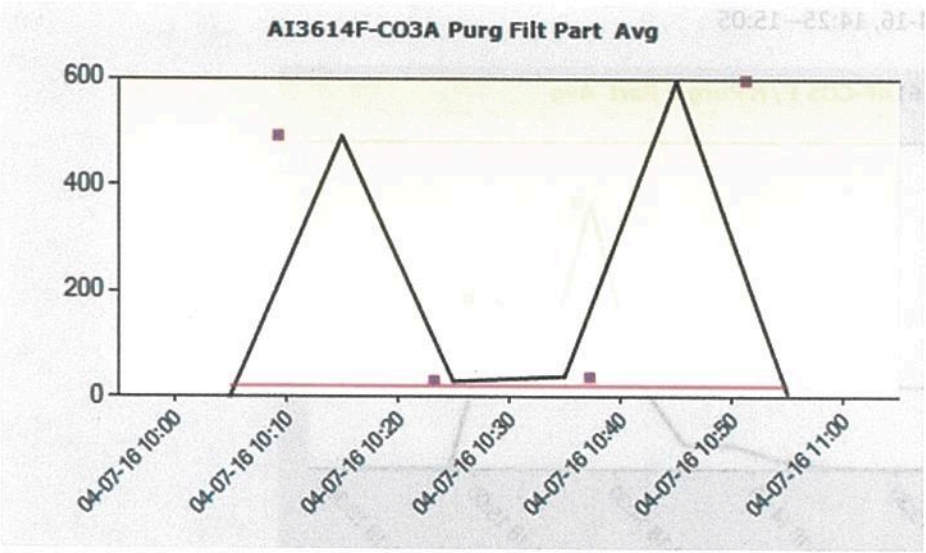
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3A Purge Filter, 4-7-16, 7:35– 8:05



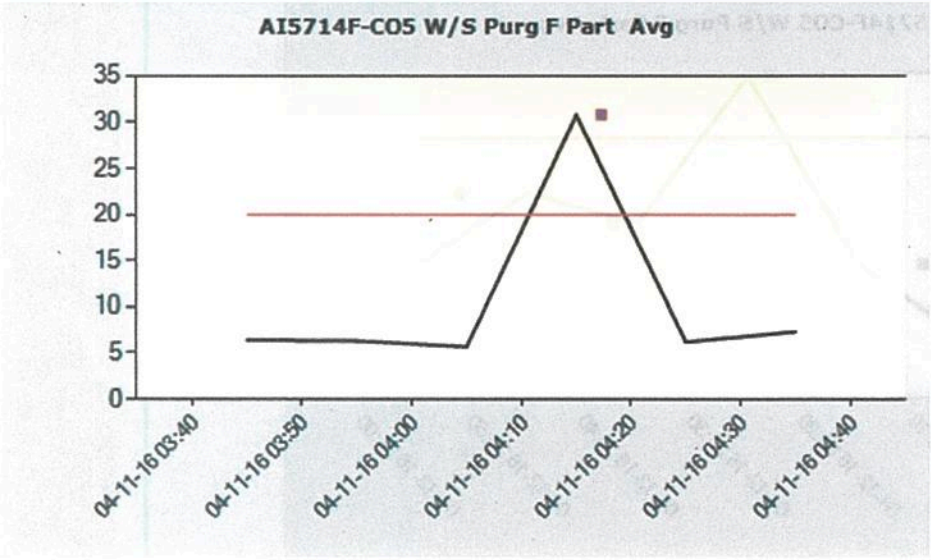
CO3A Purge Filter, 4-7-16, 10:15– 10:55



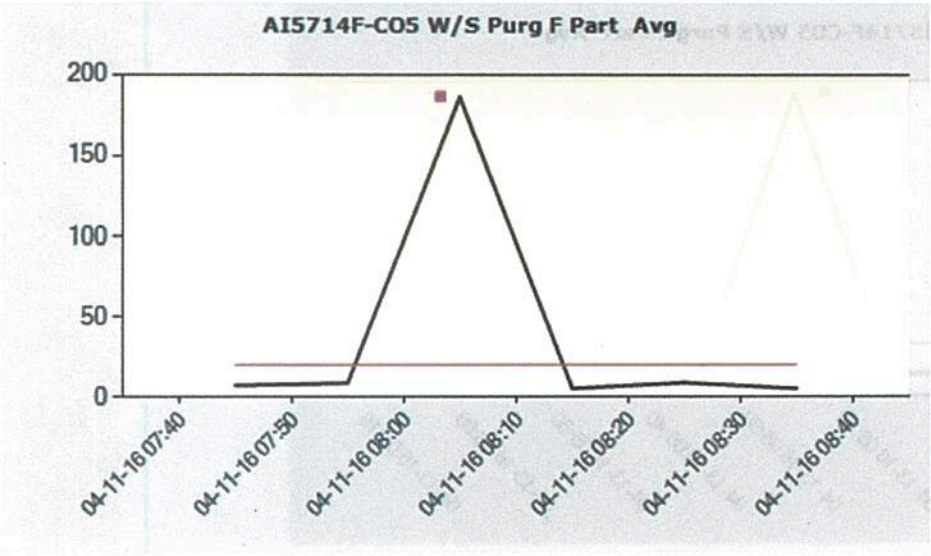
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 4-11-16, 4:15– 4:25



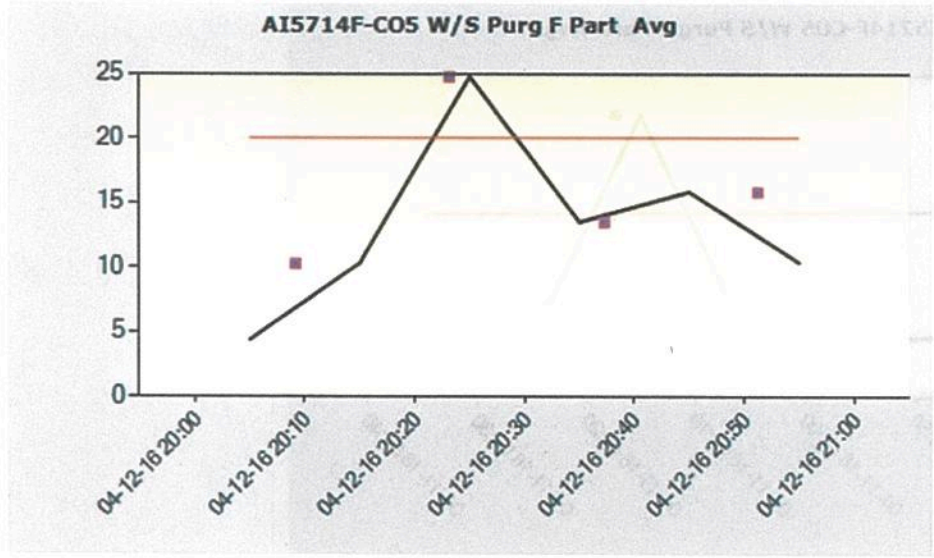
CO5 W/S Purge Filter, 4-11-16, 8:05– 8:15



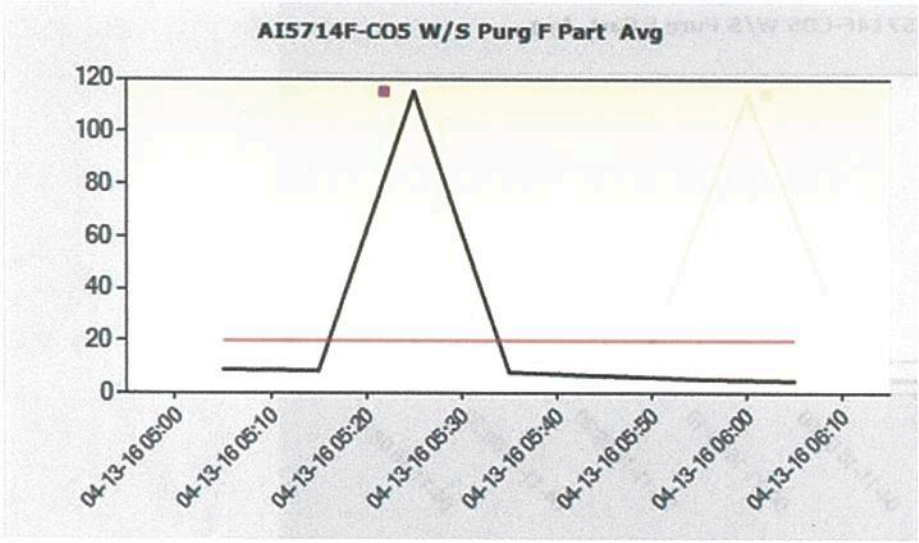
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 4-12-16, 20:25– 20:35



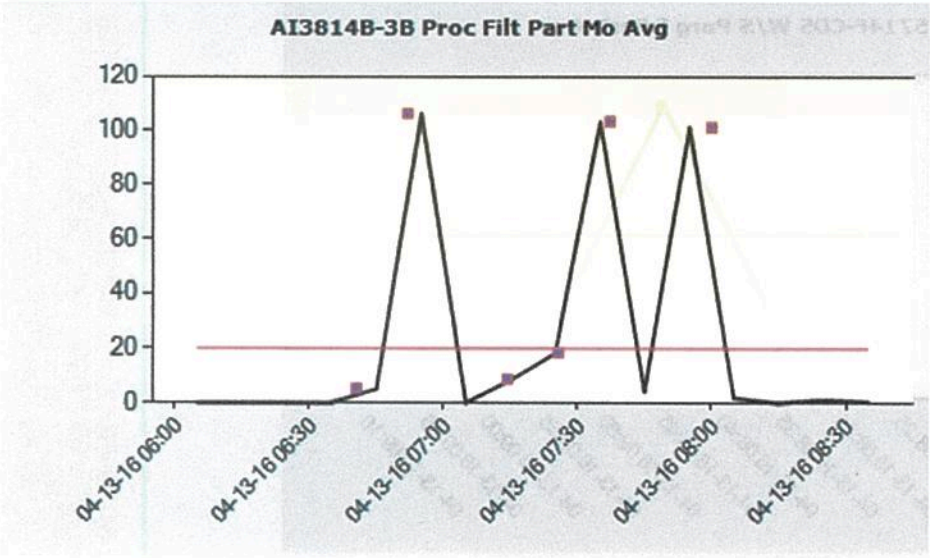
CO5 W/S Purge Filter, 4-13-16, 5:25– 5:35



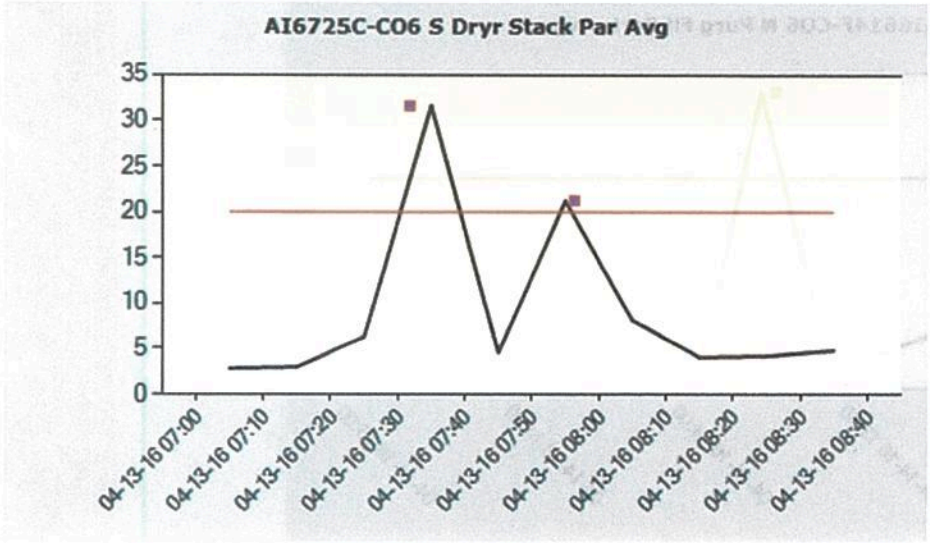
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3B Process Filter, 4-13-16, 6:55– 8:05



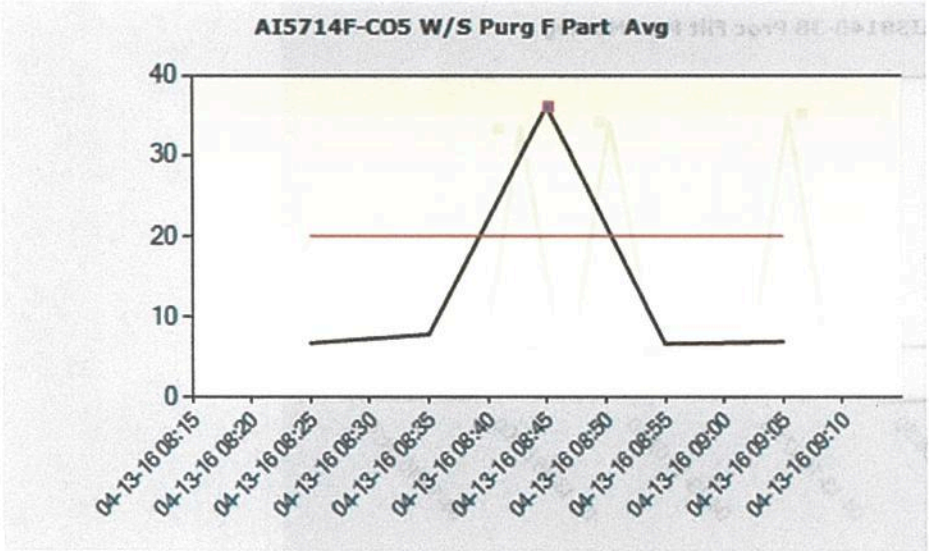
CO6 S Dryer, 4-13-16, 7:35– 8:05



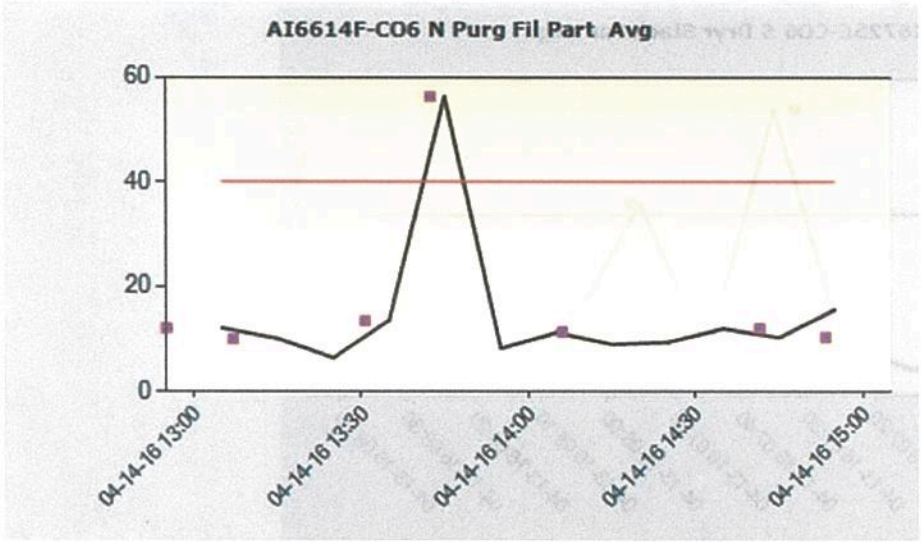
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 4-13-16, 8:45– 8:55



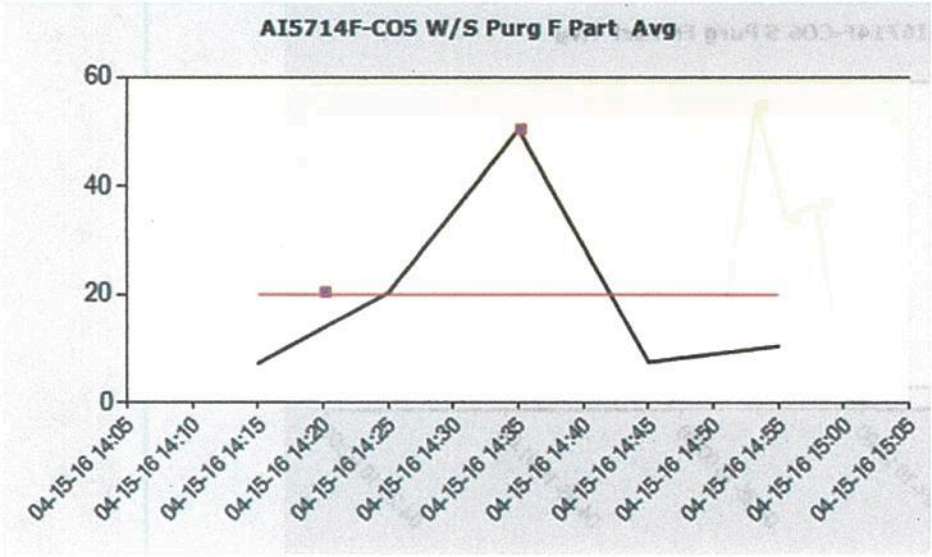
CO6 N Purge Filter, 4-14-16, 13:45– 13:55



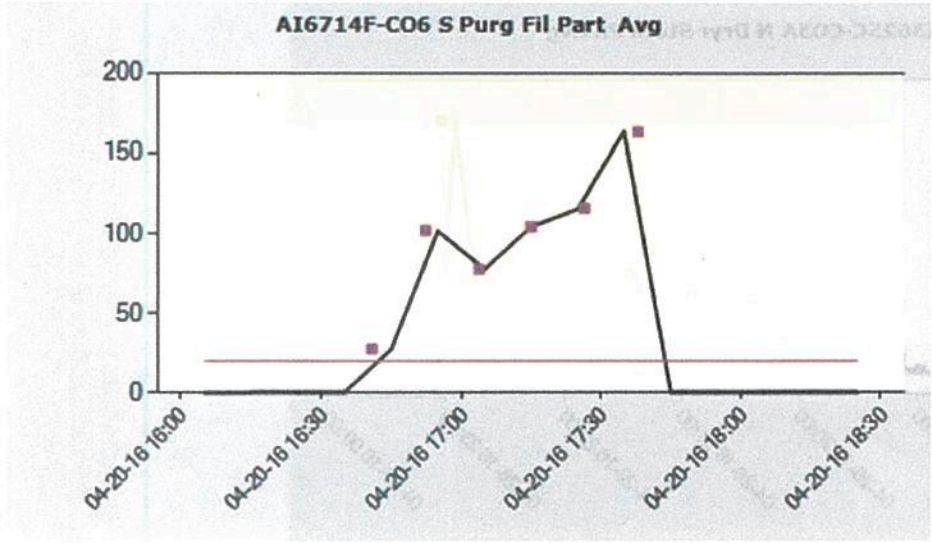
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

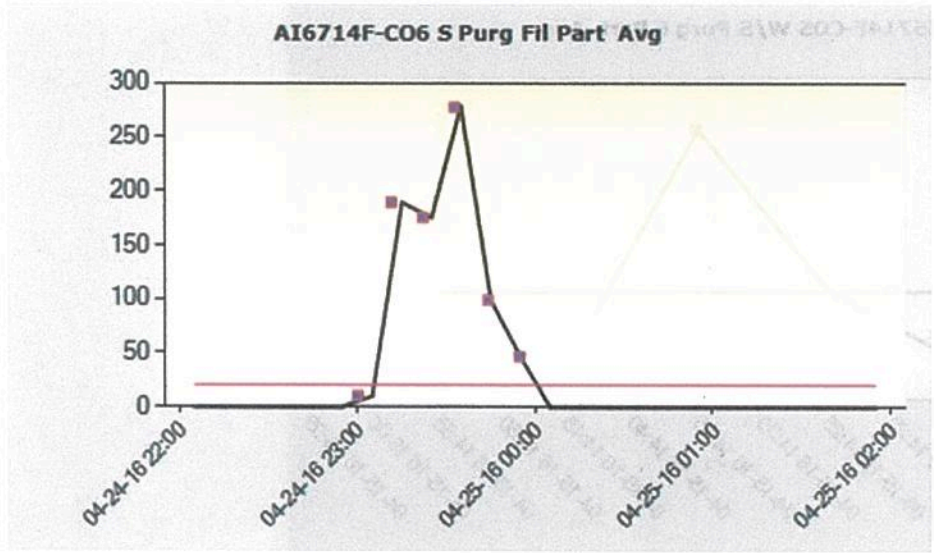
CO5 W/S Purge Filter, 4-15-16, 14:25– 14:45



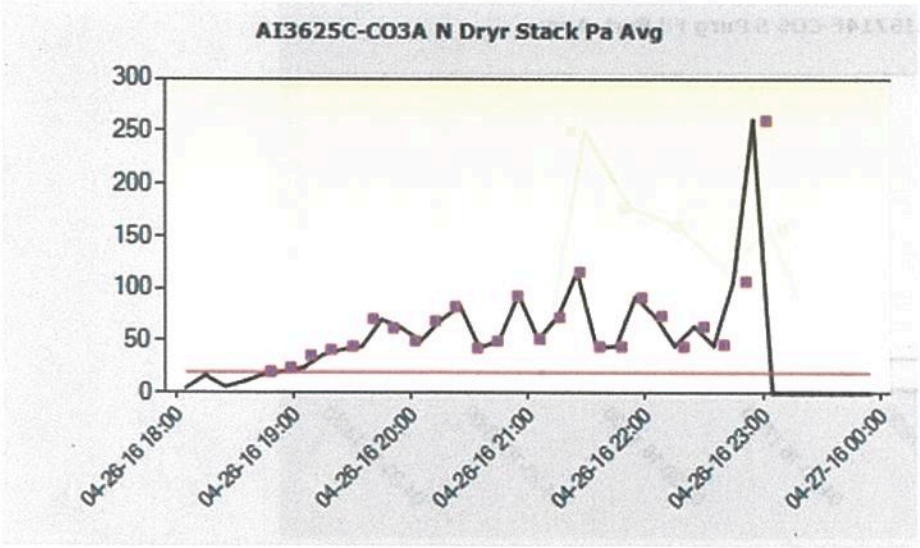
CO6 S Purge Filter, 4-20-16, 16:45– 17:45



CO6 S Purge Filter, 4-24-16, 23:15– 4-25-16, 00:05



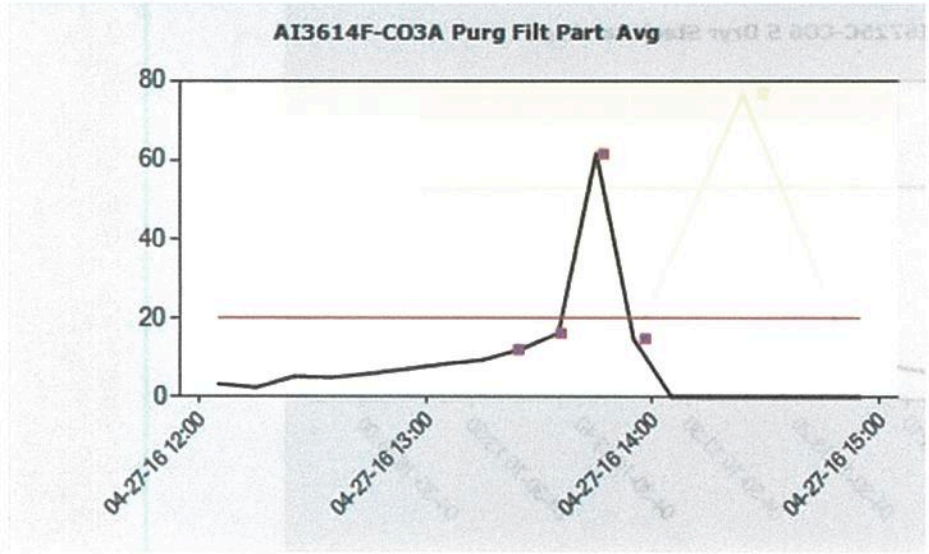
CO3A N Dryer, 4-26-16, 18:55– 23:05



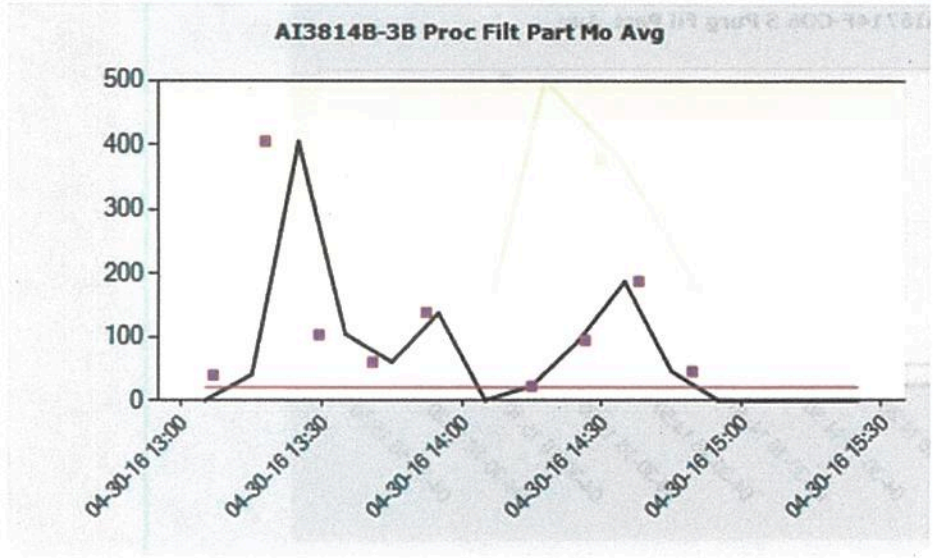
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3A Purge Filter, 4-27-16, 13:45– 13:55



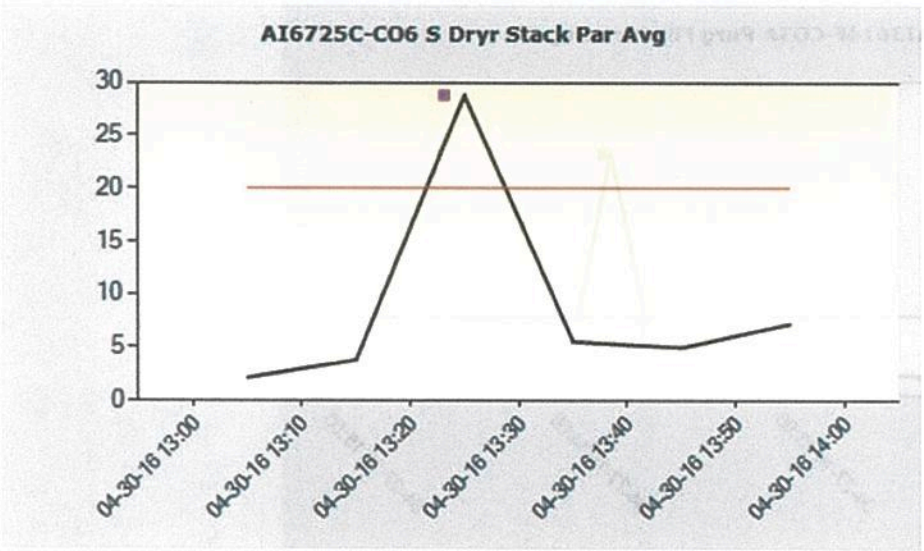
CO3B Process Filter, 4-30-16, 13:15– 14:55



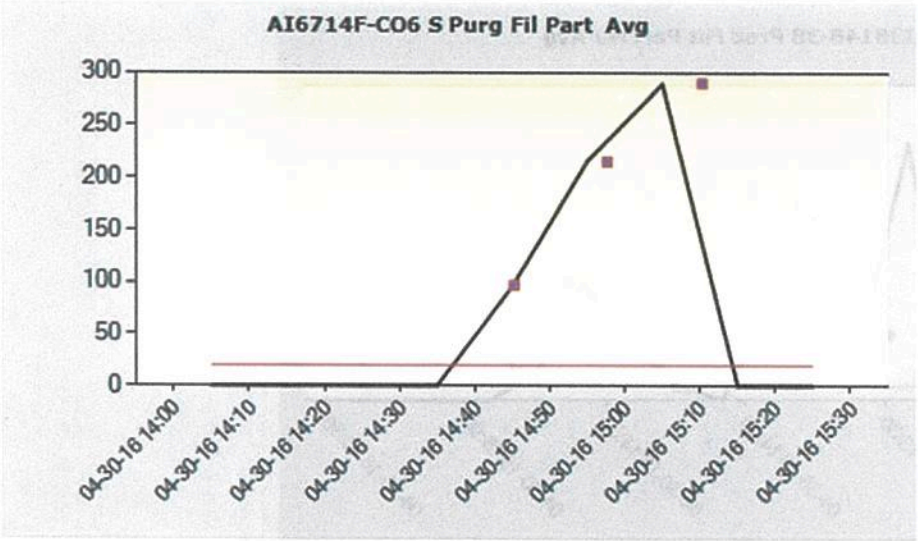
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Dryer, 4-30-16, 13:25– 13:35



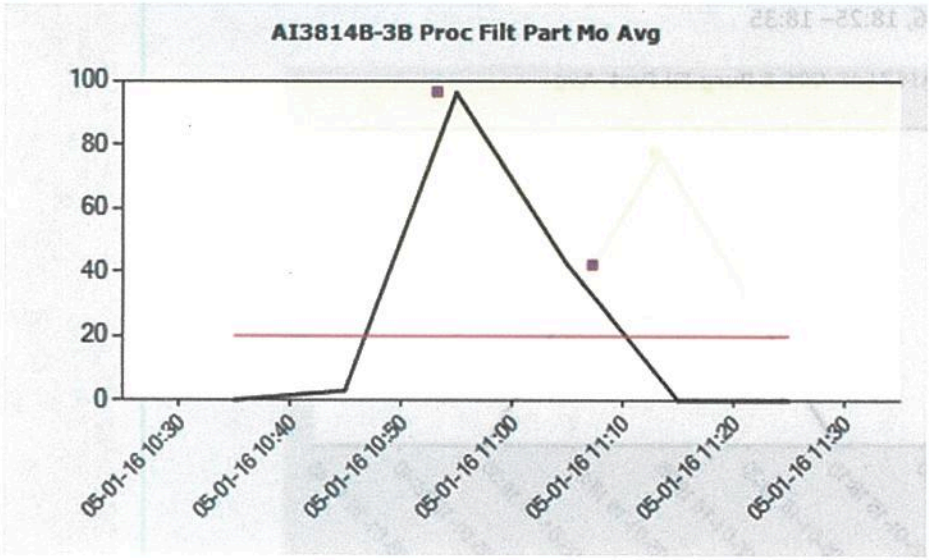
CO6 S Purge Filter, 4-30-16, 14:45– 15:15



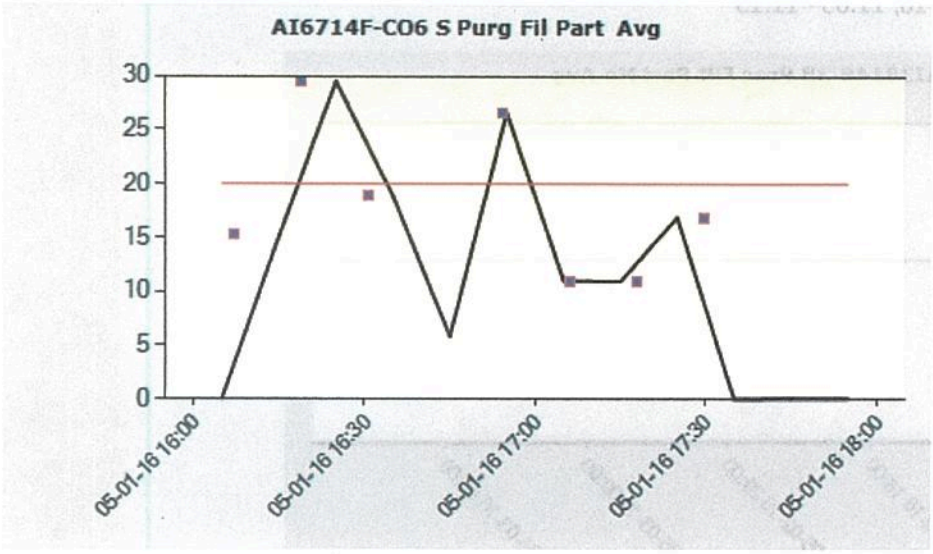
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

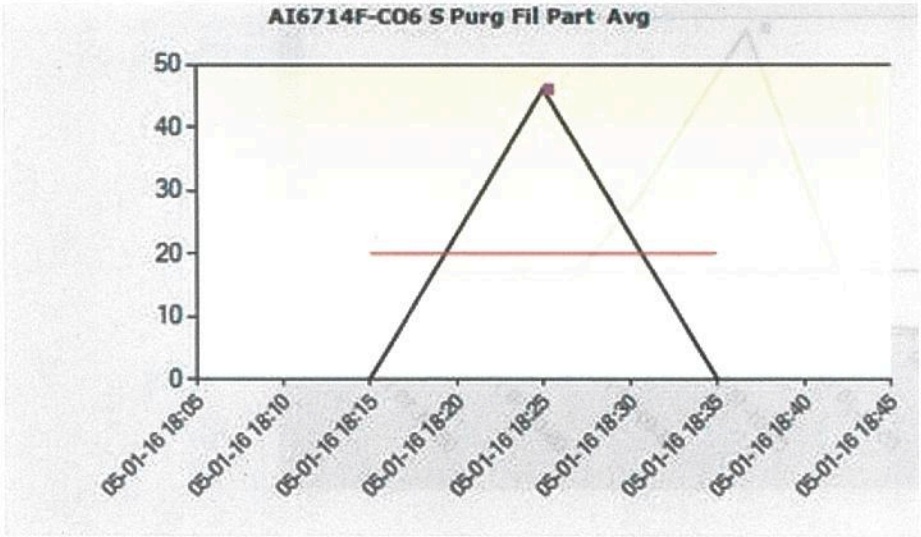
CO3B Process Filter, 5-1-16, 10:55– 11:15



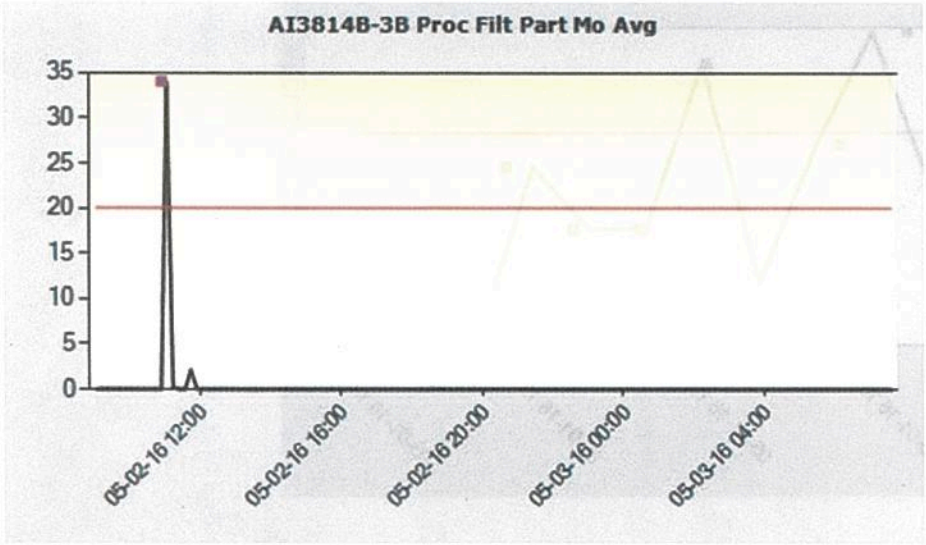
CO6 S Purge Filter, 5-1-16, 16:15– 17:05



CO6 S Purge Filter, 5-1-16, 18:25– 18:35



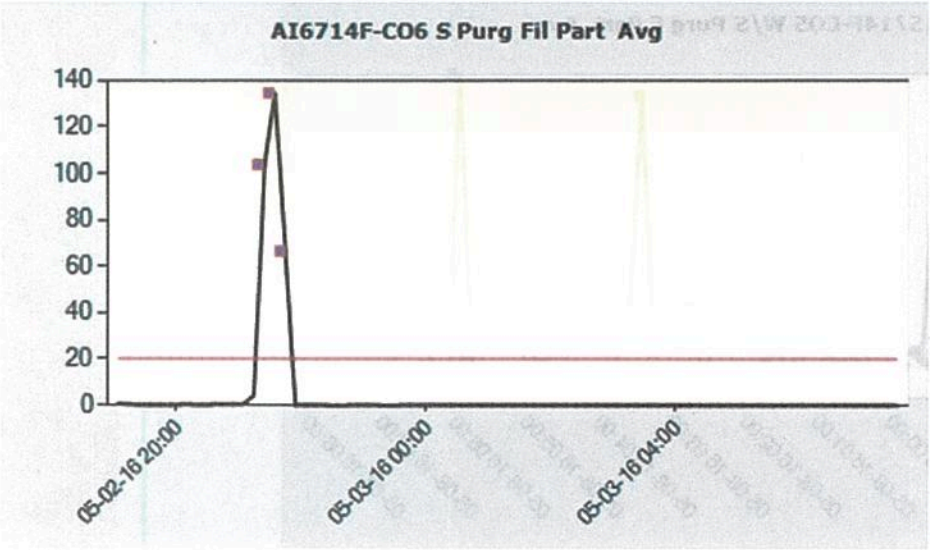
CO3B Process Filter, 5-2-16, 11:05– 11:15



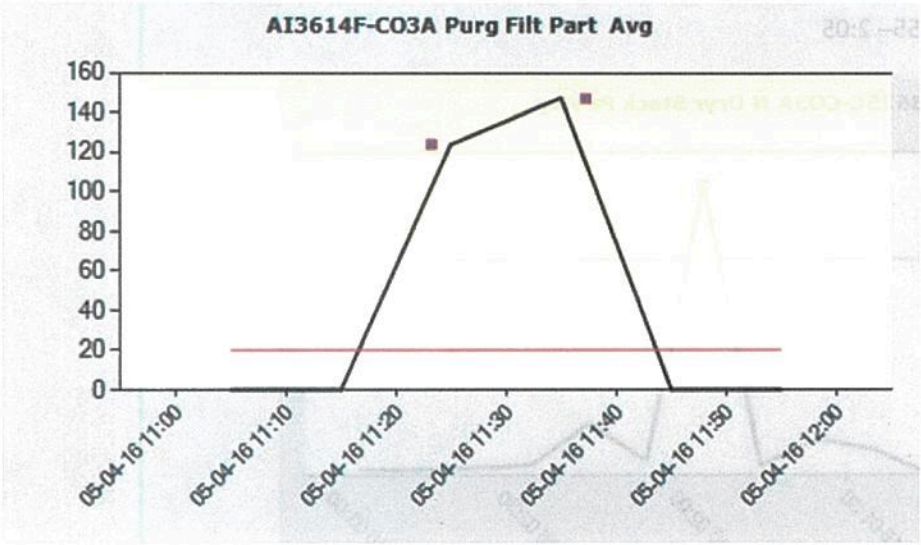
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 5-2-16, 21:25- 21:55



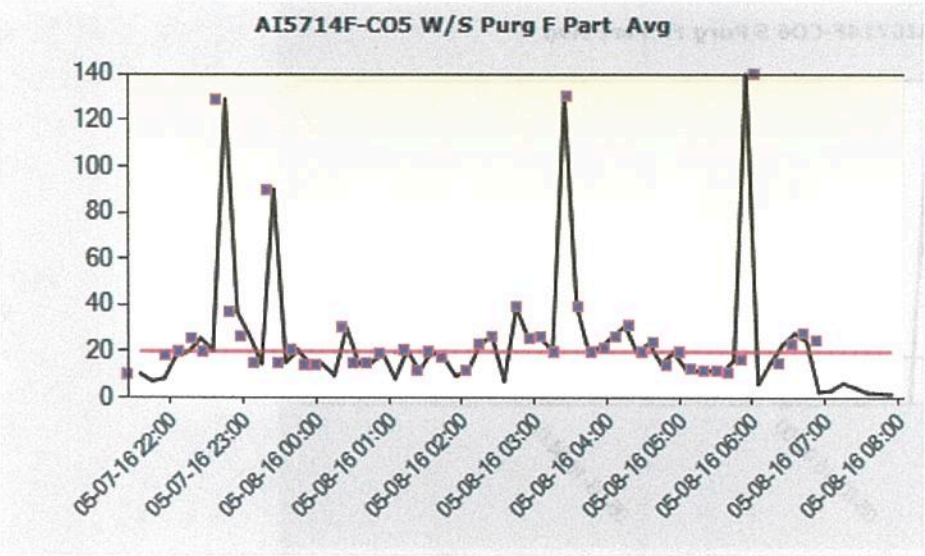
CO3A Purge Filter, 5-4-16, 11:25– 11:35



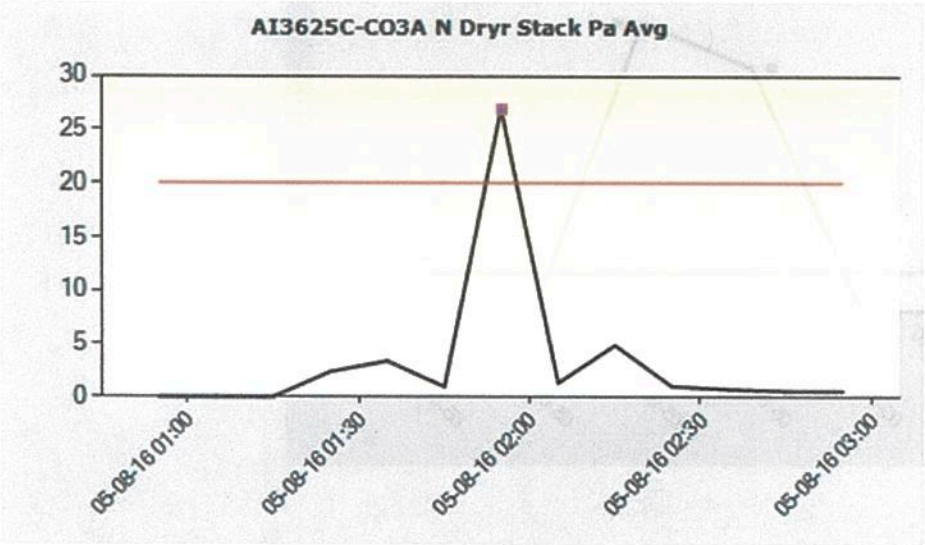
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

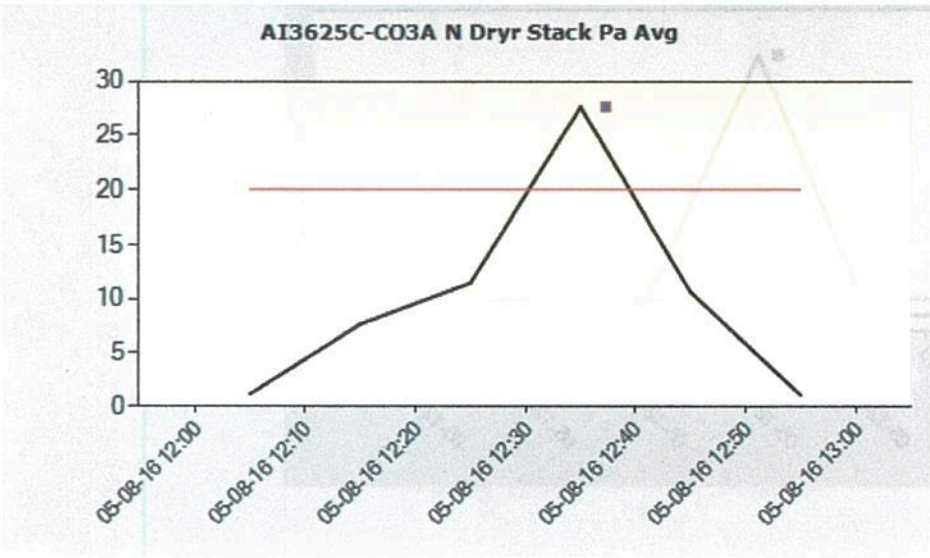
CO5 W/S Purge Filter, 5-7-16, 22:25– 5-8-16, 6:55



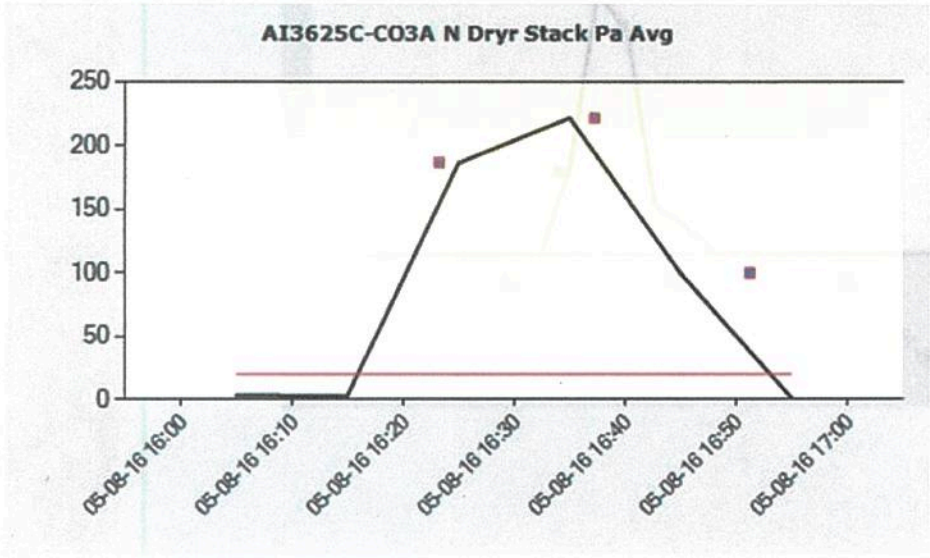
CO3A N Dryer, 5-8-16, 1:55– 2:05



CO3A N Dryer, 5-8-16, 12:35– 12:45



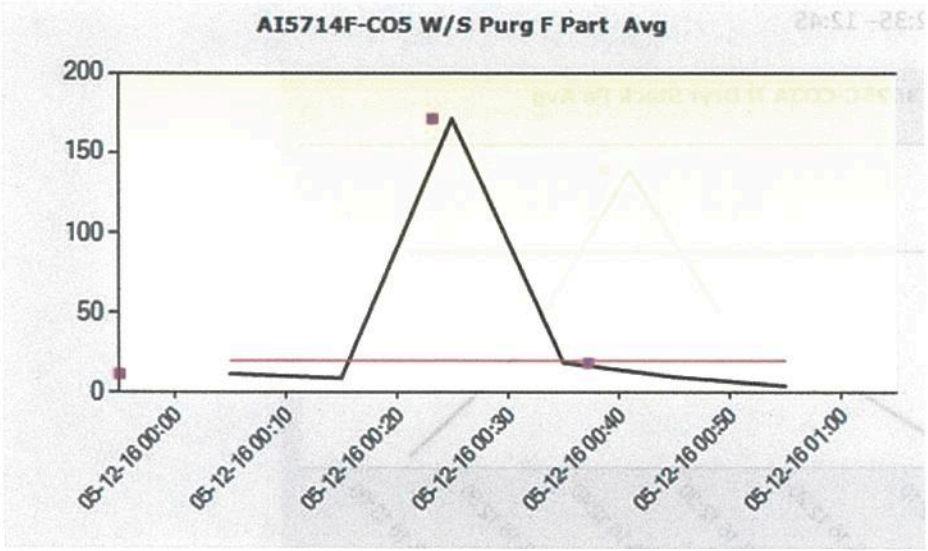
CO3A N Dryer, 5-8-16, 16:25– 16:55



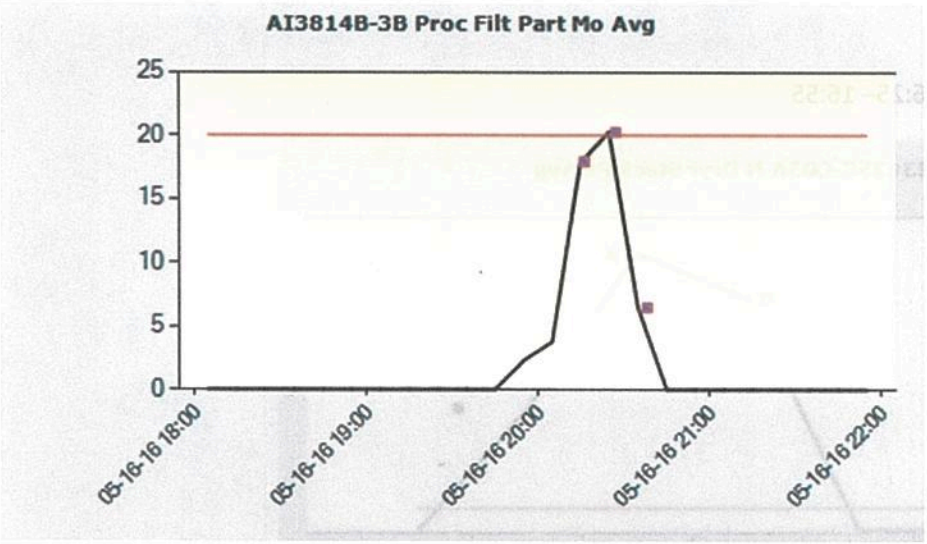
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 5-12-16, 00:25– 00:35



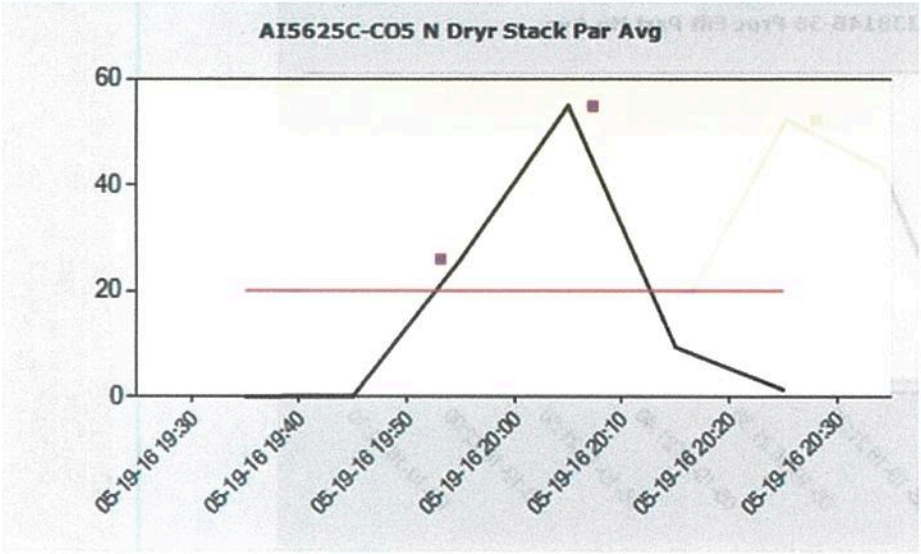
CO3B Process Filter, 5-16-16, 20:25– 20:35



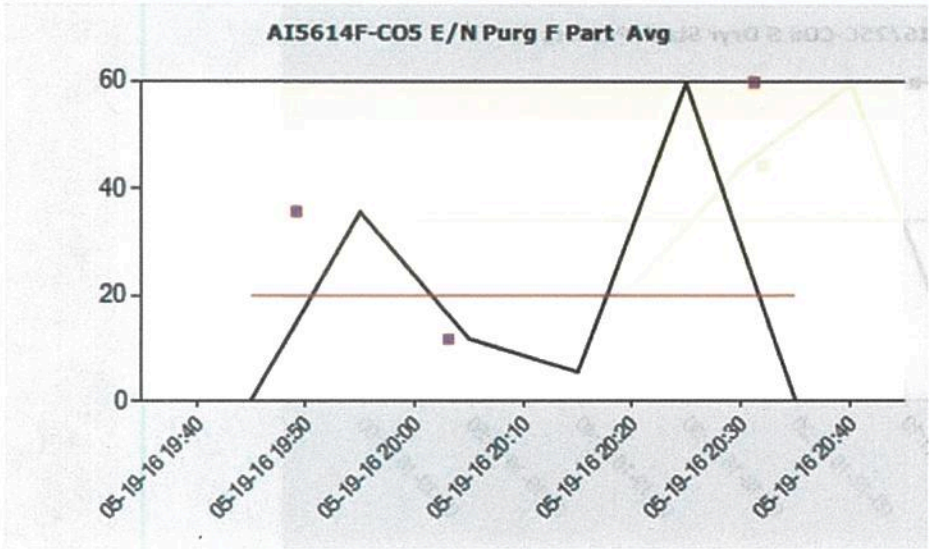
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 N Dryer, 5-19-16, 19:55– 20:15



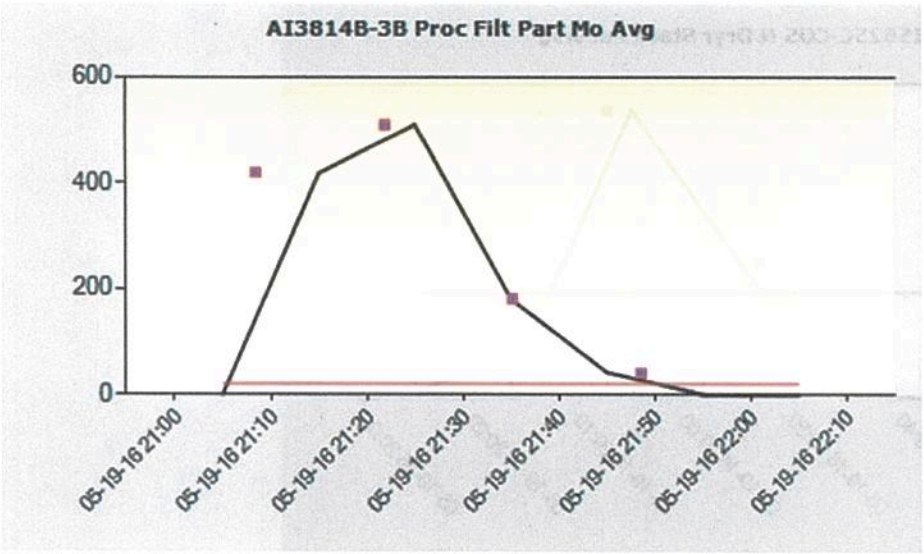
CO5 E/N Purge Filter, 5-19-16, 19:55– 20:35



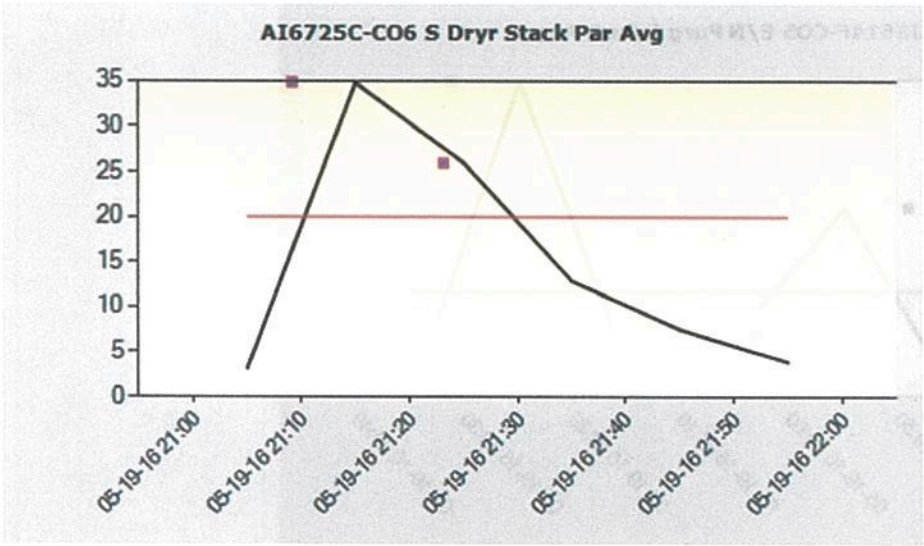
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3B Process Filter, 5-19-16, 21:15– 21:55



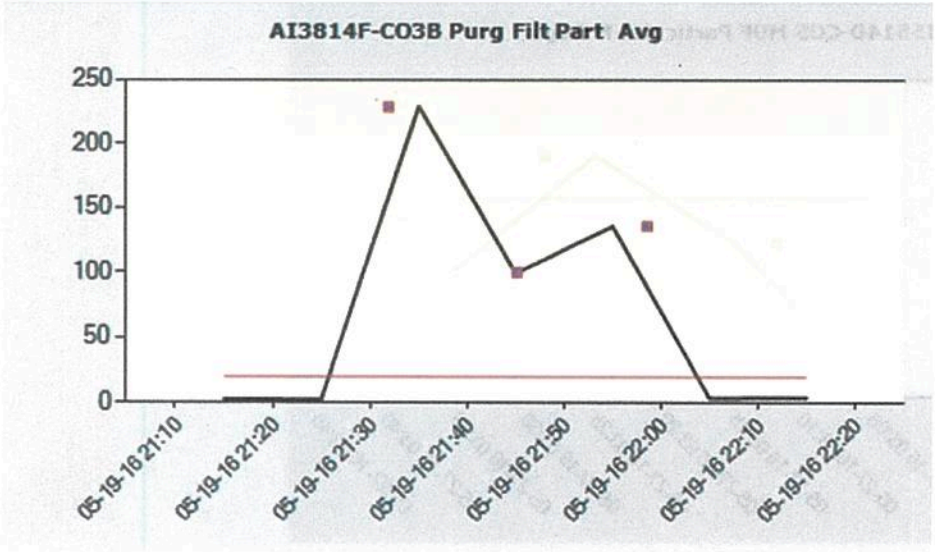
CO6 S Dryer, 5-19-16, 21:15– 21:35



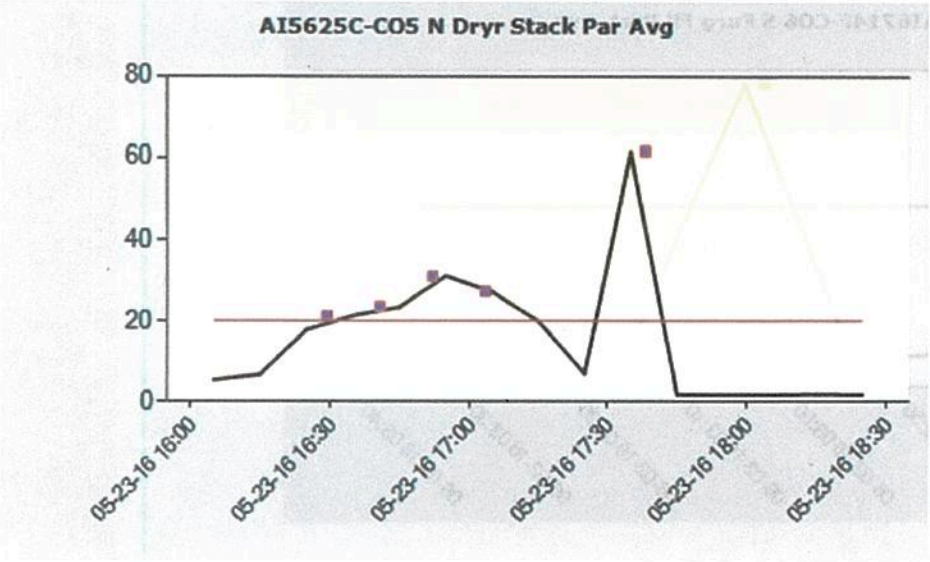
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3B Purge Filter, 5-19-16, 21:35– 22:05



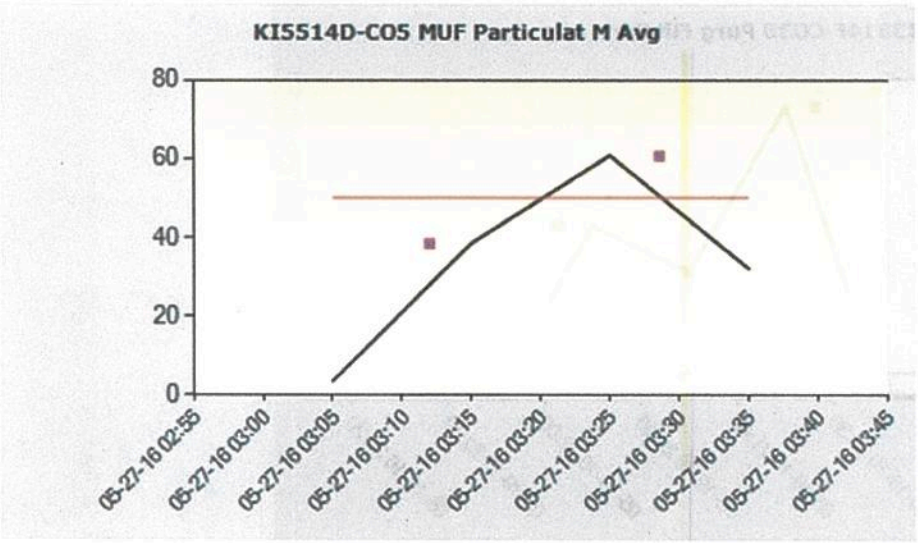
CO5 N Dryer, 5-23-16, 16:35– 16:45



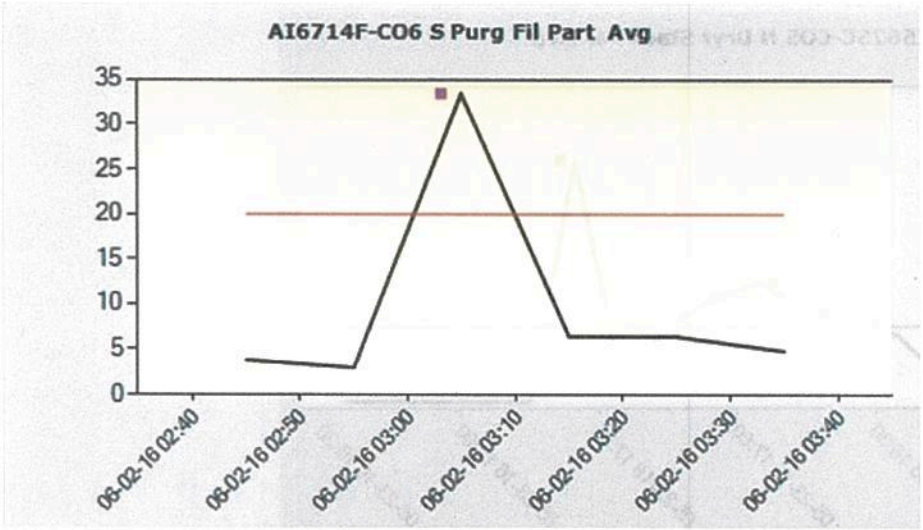
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 MUF, 5-27-16, 3:25– 3:35



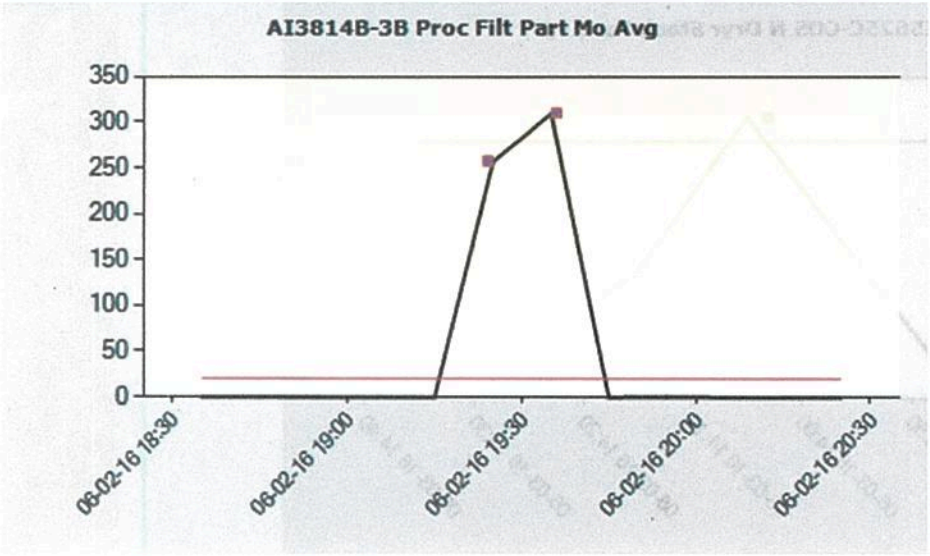
CO6 S Purge Filter, 6-2-16, 3:05– 3:15



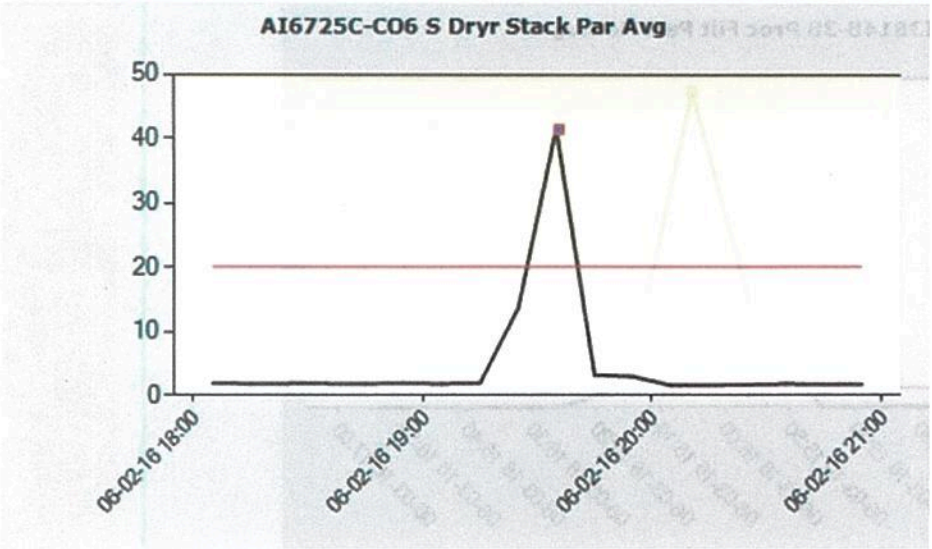
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3B Process Filter, 6-2-16, 19:25– 19:45



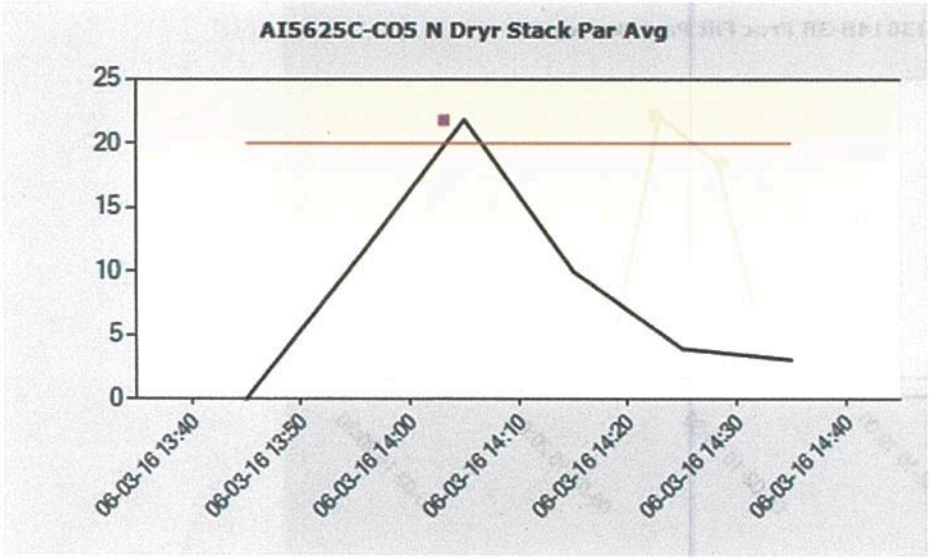
CO6 S Dryer, 6-2-16, 19:35– 19:45



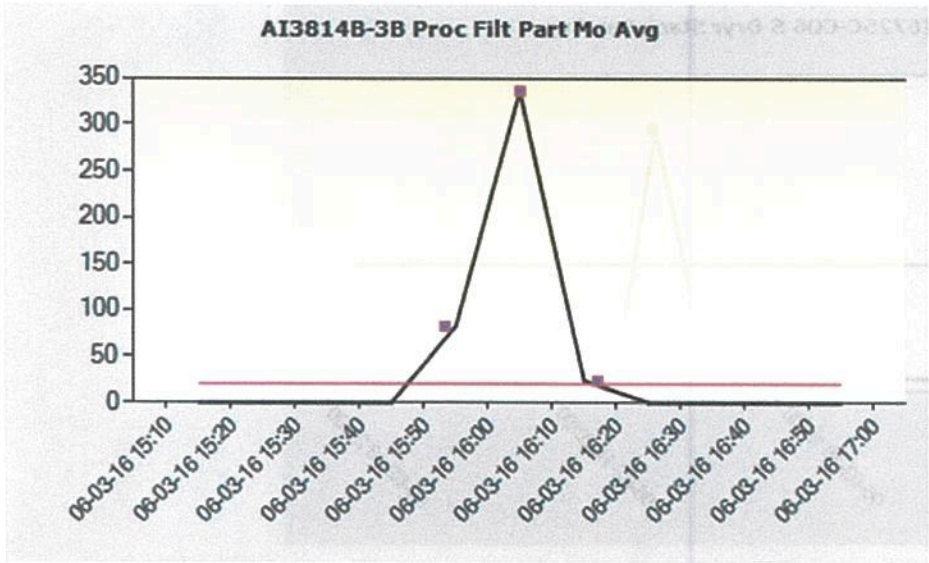
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 N Dryer, 6-3-16, 14:05– 14:15



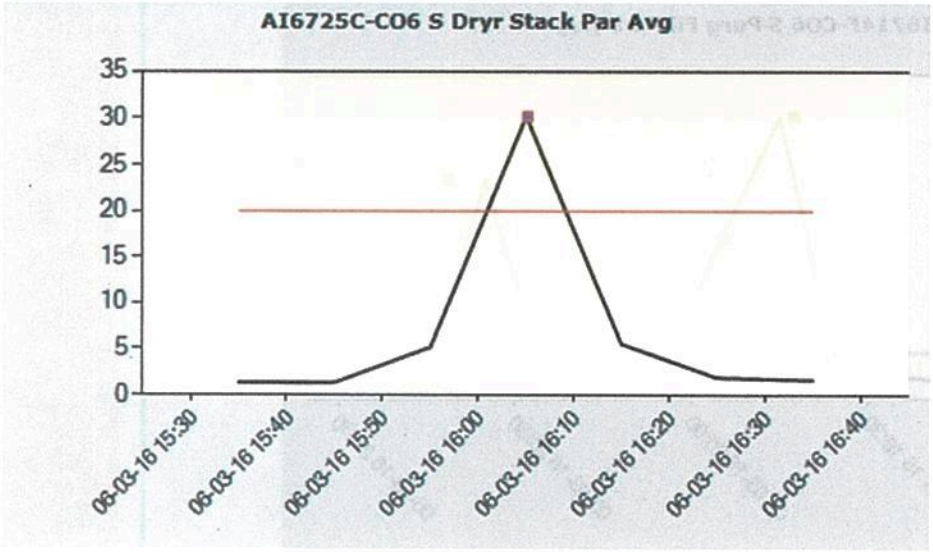
CO3B Process Filter, 6-3-16, 15:55– 16:25



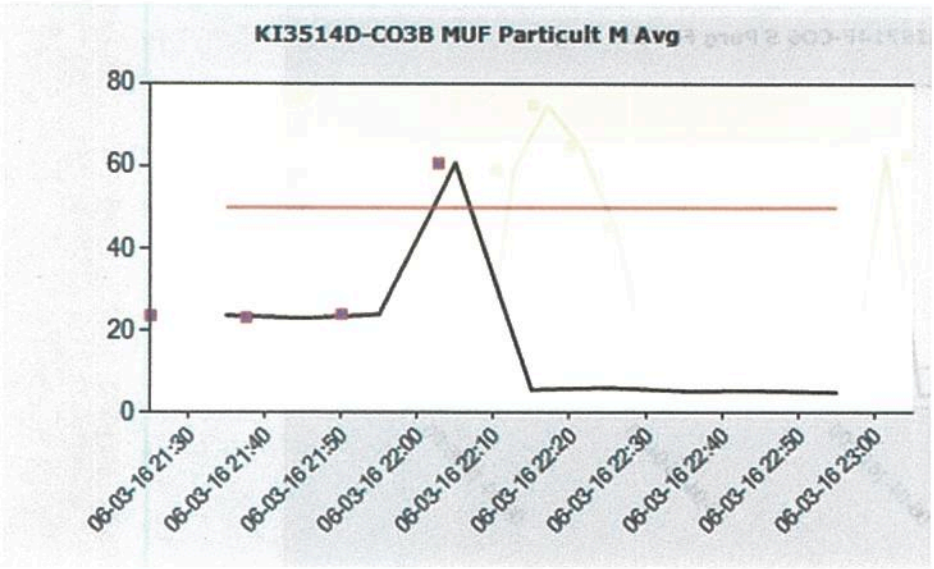
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Dryer, 6-3-16, 16:05– 16:15



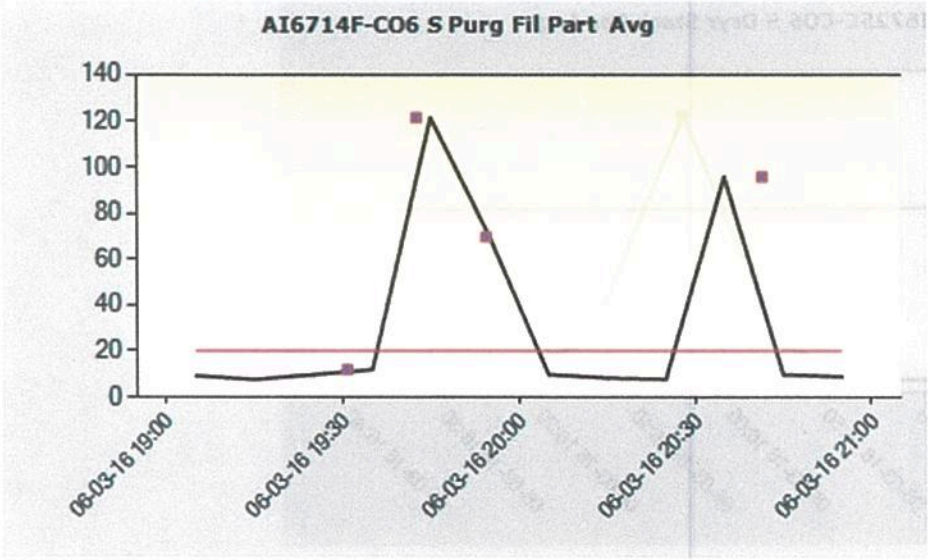
CO3B MUF, 6-3-16, 22:05– 22:15



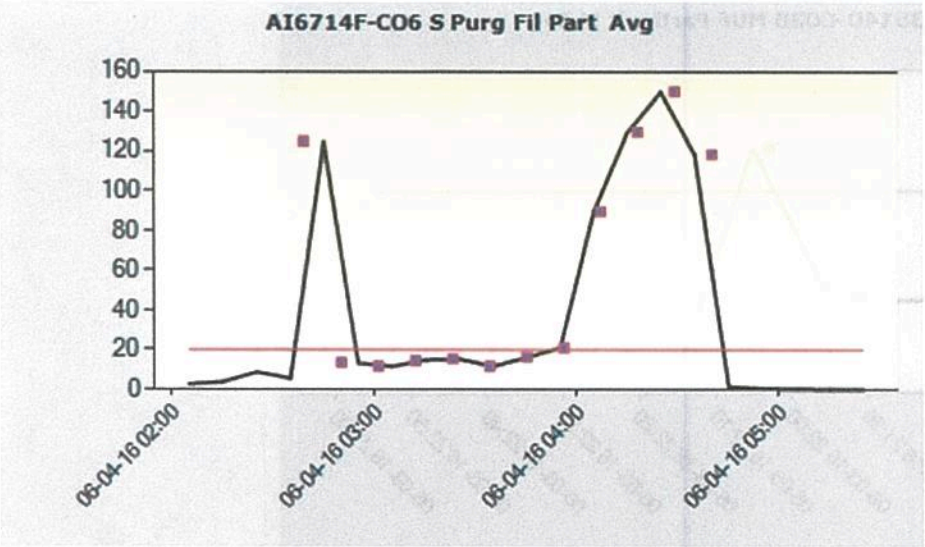
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 6-3-16, 19:45– 20:45



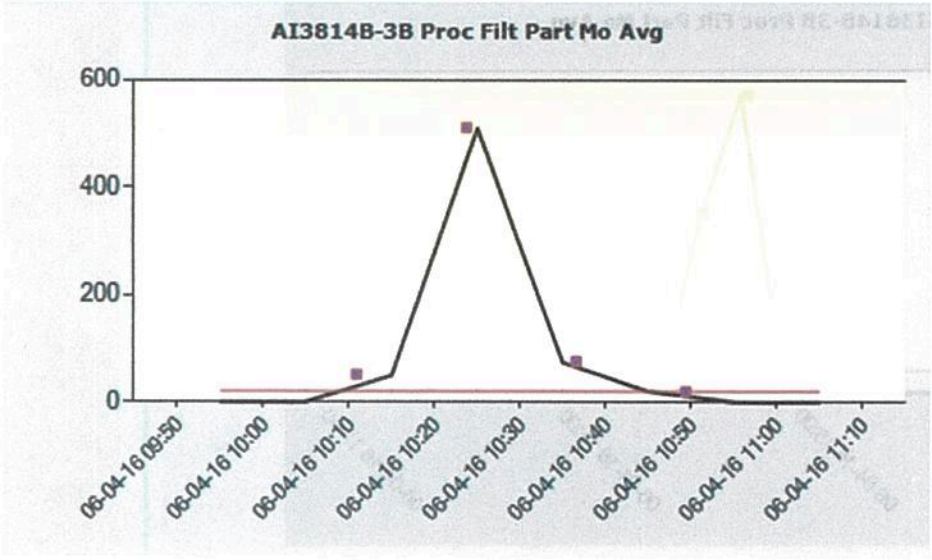
CO6 S Purge Filter, 6-4-16, 2:45– 4:45



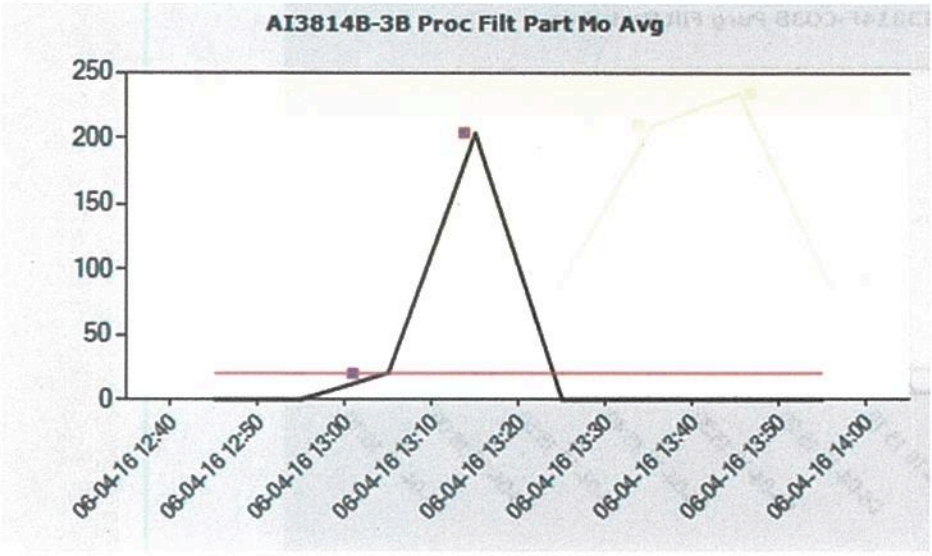
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3B Process Filter, 6-4-16, 10:15– 10:45



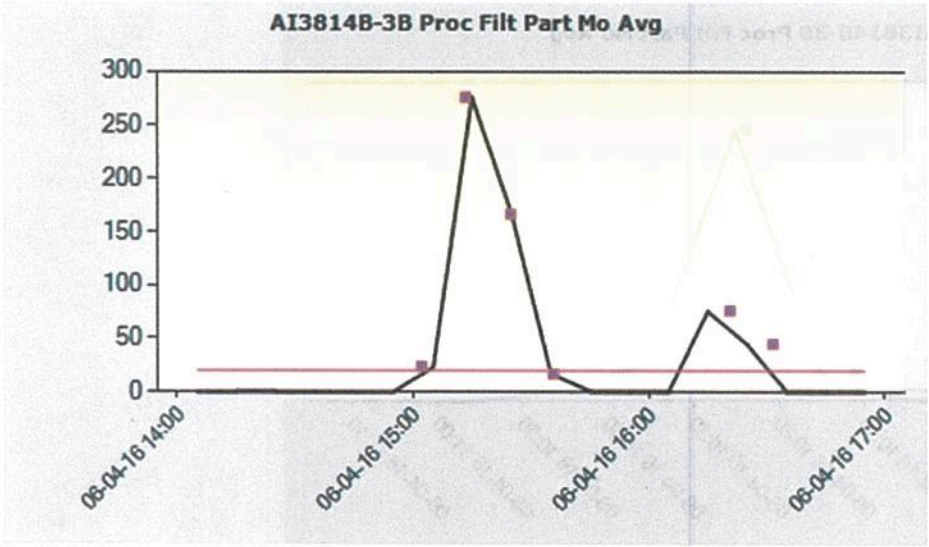
CO3B Process Filter, 6-4-16, 13:05– 13:25



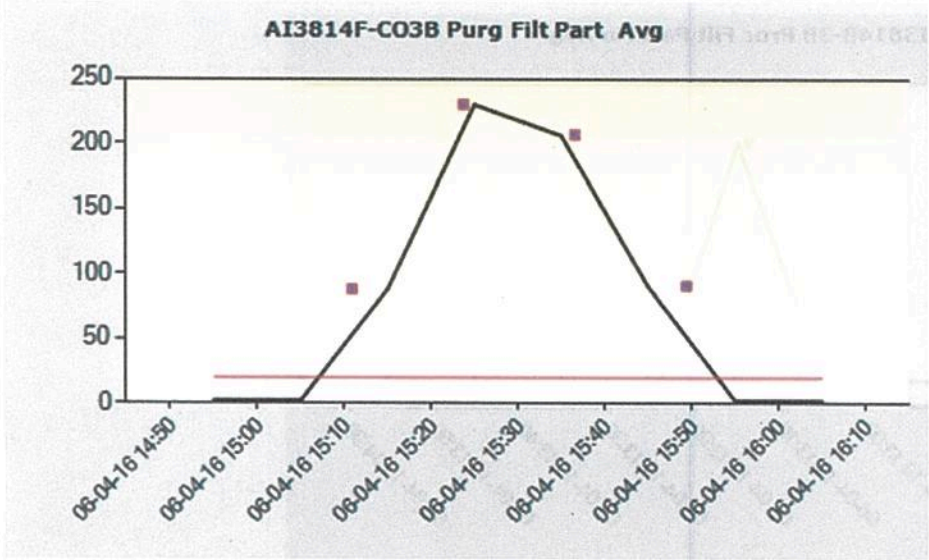
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3B Process Filter, 6-4-16, 15:05– 16:35



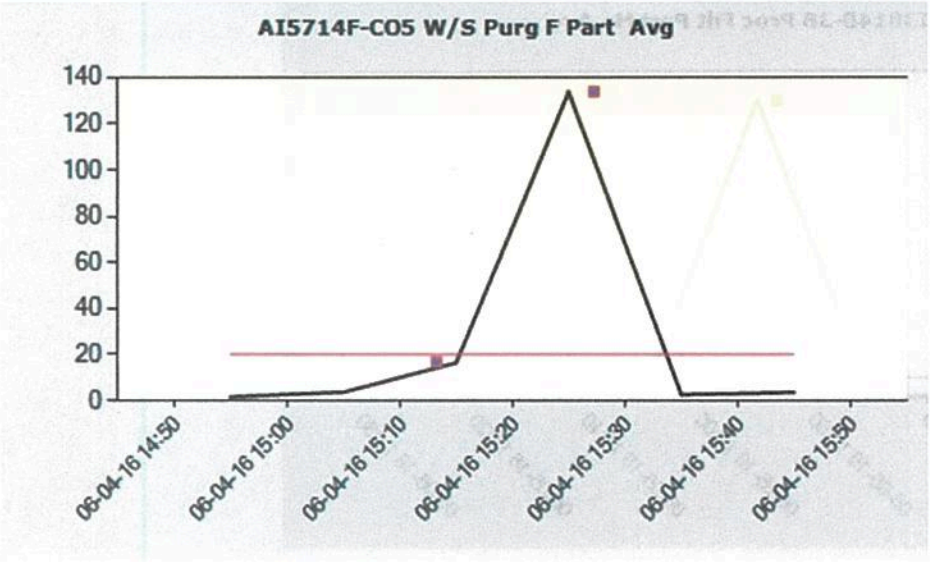
CO3B Purge Filter, 6-4-16, 15:05– 15:55



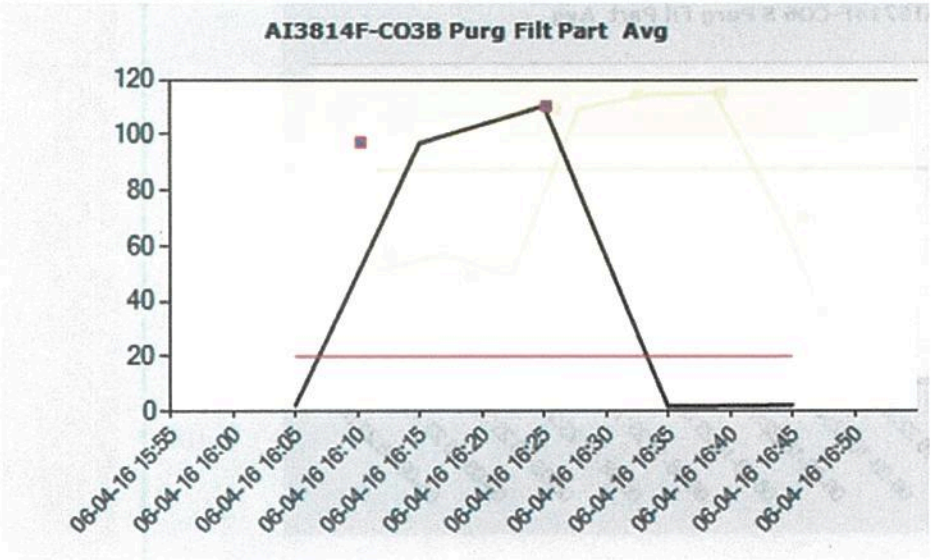
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO5 W/S Purge Filter, 6-4-16, 15:25– 15:35



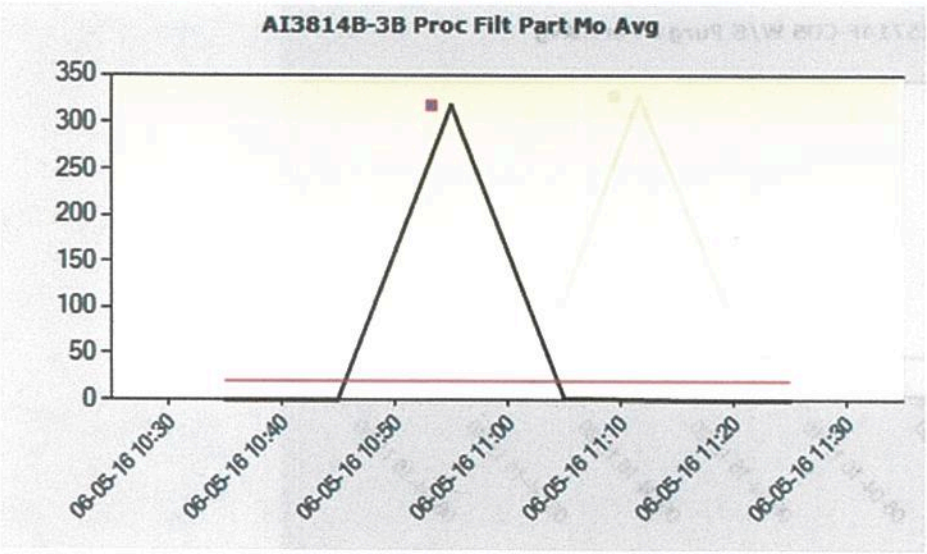
CO3B Purge Filter, 6-4-16, 16:15– 16:35



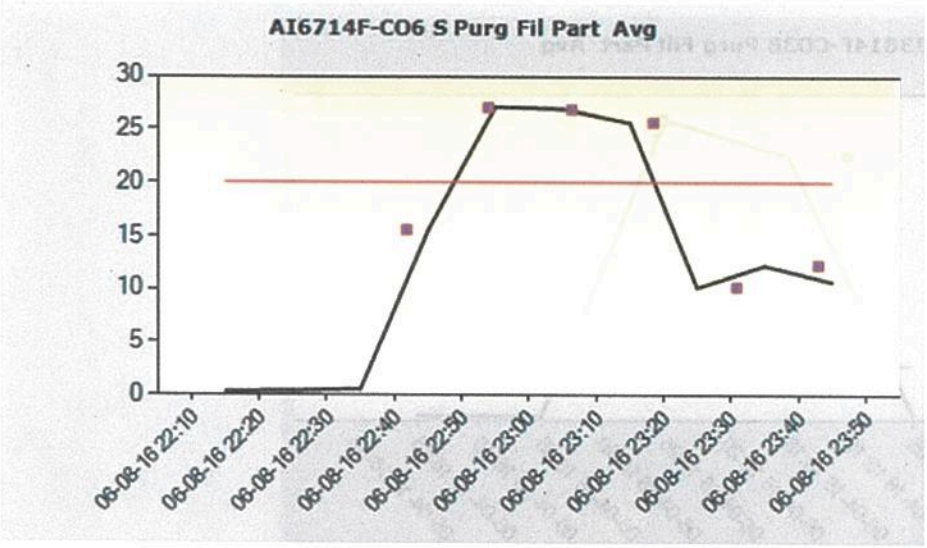
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3B Process Filter, 6-5-16, 10:55– 11:05



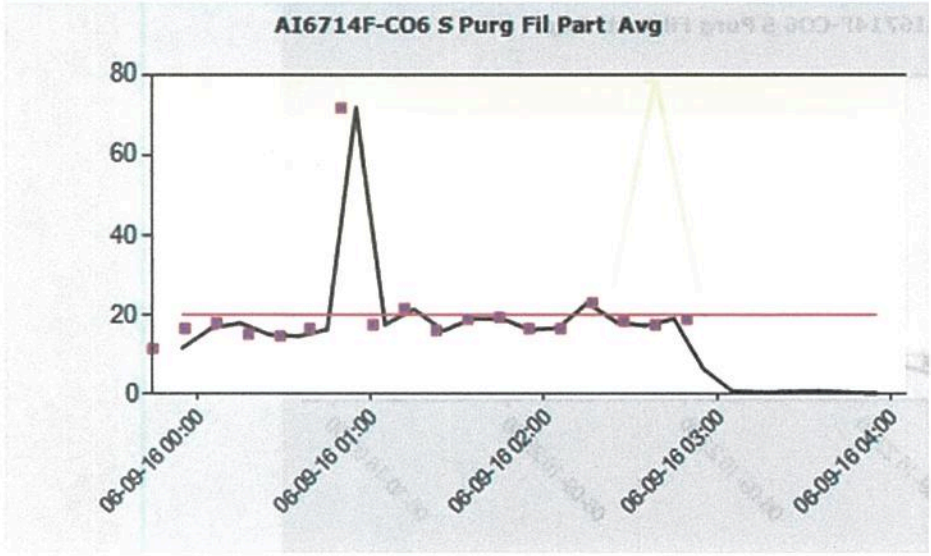
CO6 S Purge Filter, 6-8-16, 22:55– 23:25



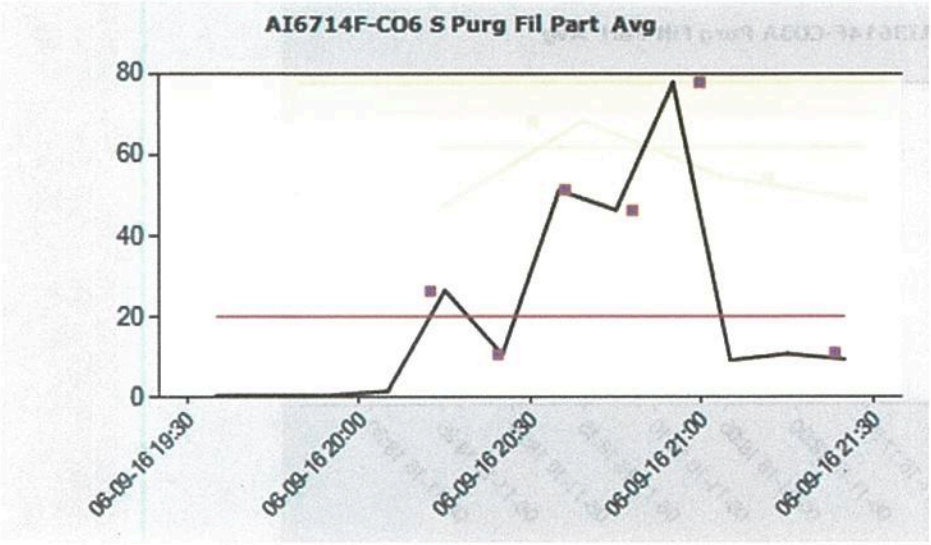
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 6-9-16, 0:55– 2:25



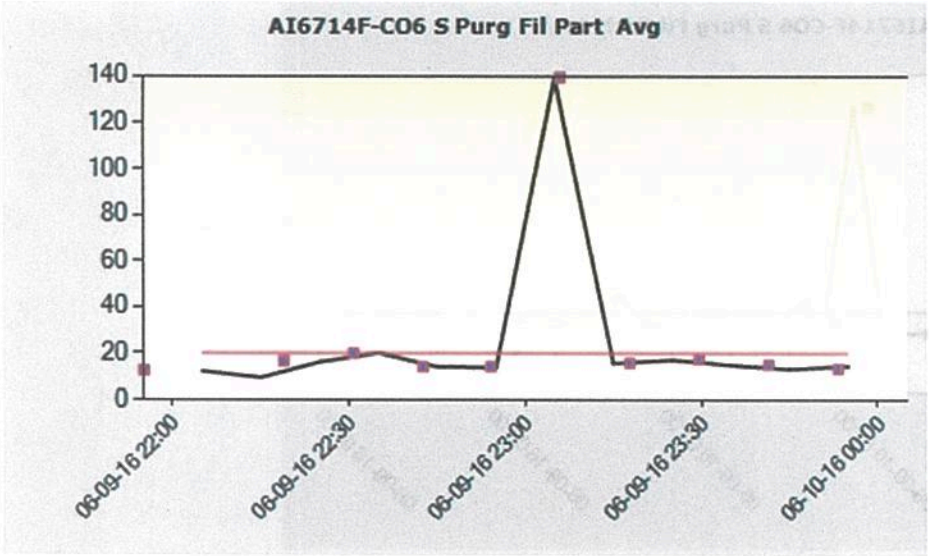
CO6 S Purge Filter, 6-9-16, 20:15– 21:05



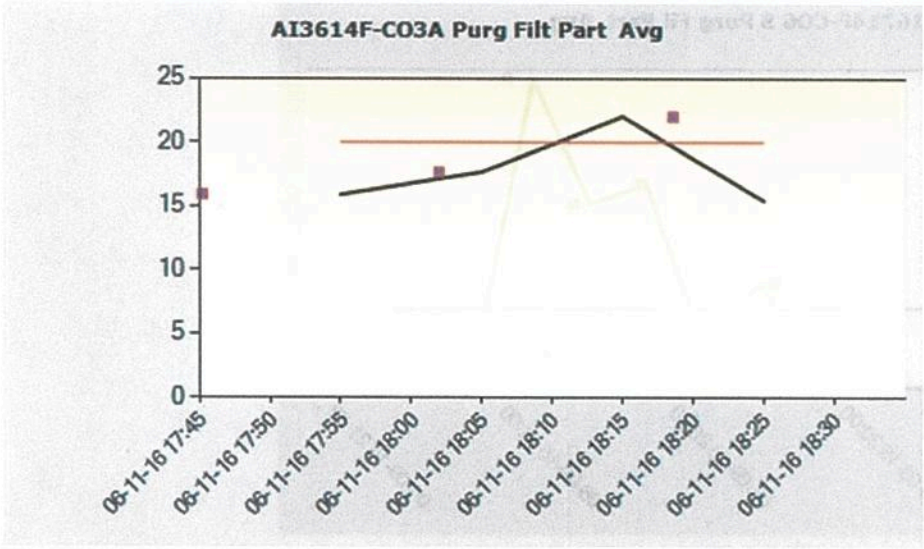
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 6-9-16, 22:35– 23:15



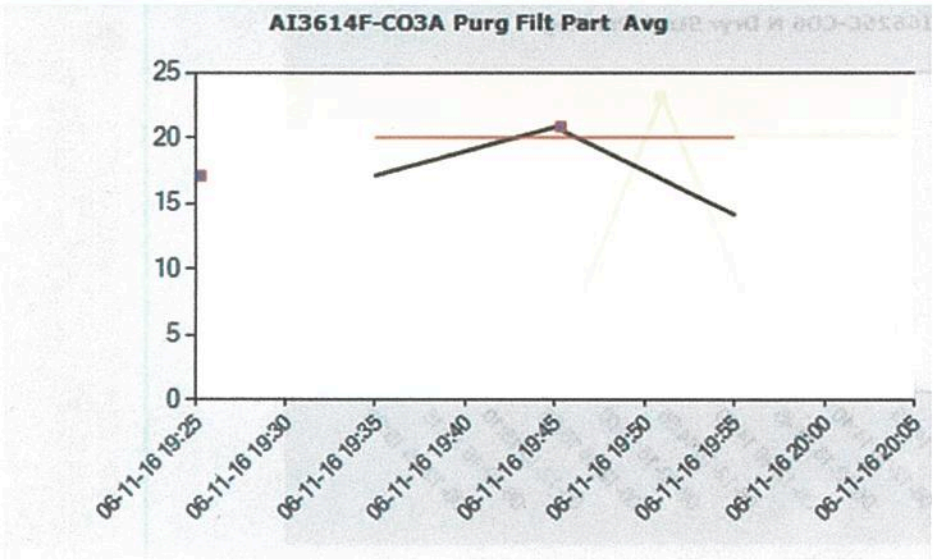
CO3A Purge Filter, 6-11-16, 18:15– 18:25



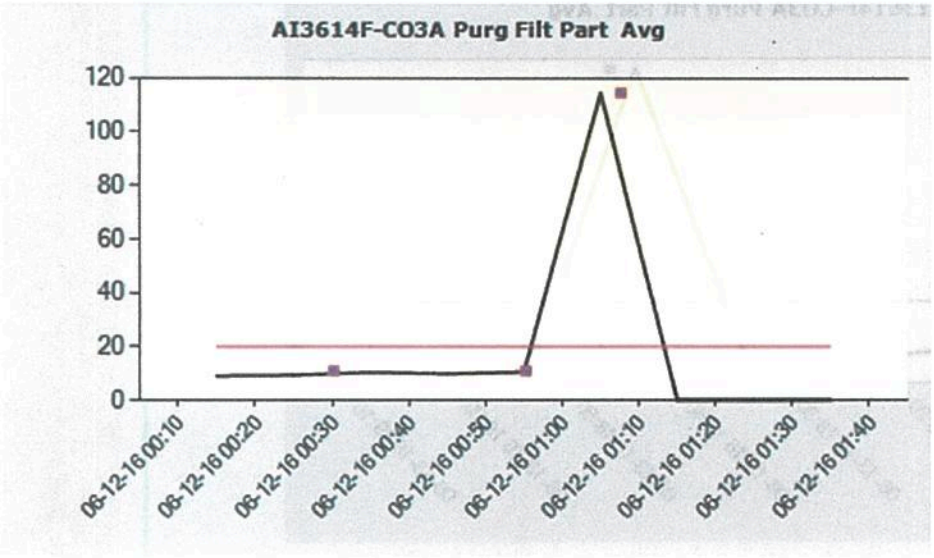
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3A Purge Filter, 6-11-16, 19:45– 19:55



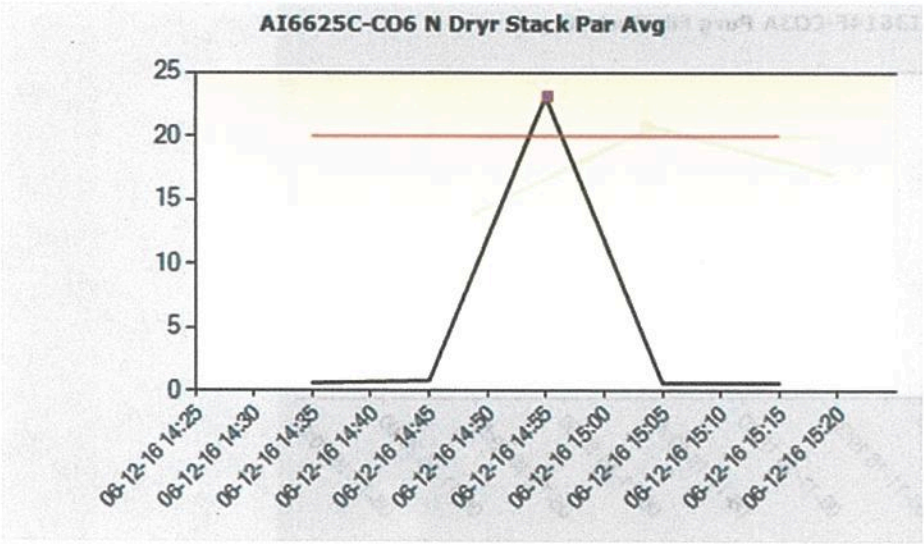
CO3A Purge Filter, 6-12-16, 1:05– 1:15



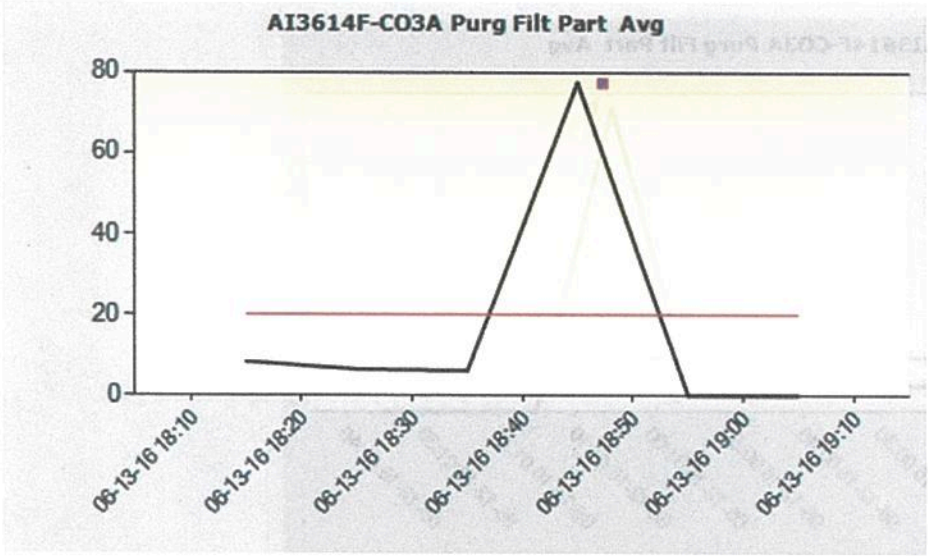
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 N Dryer, 6-12-16, 14:55– 15:05



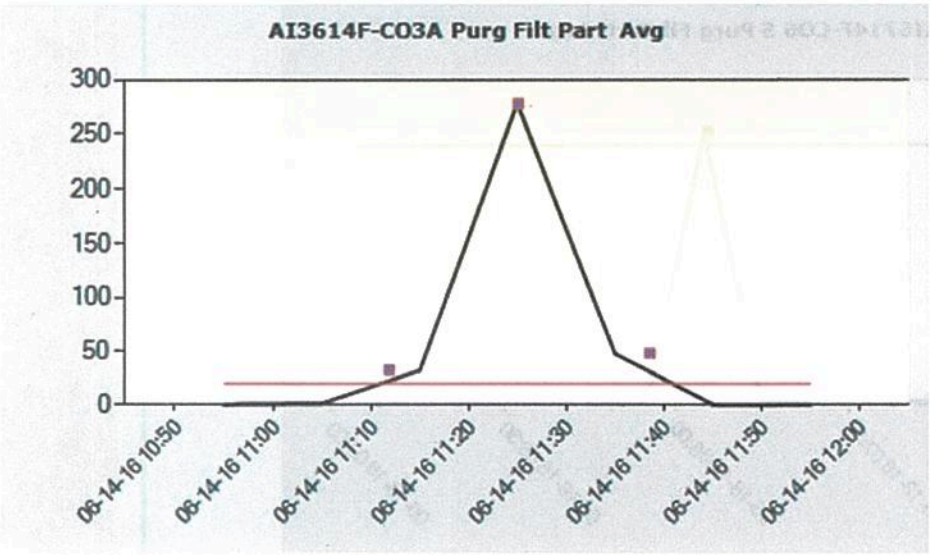
CO3A Purge Filter, 6-13-16, 18:45– 18:55



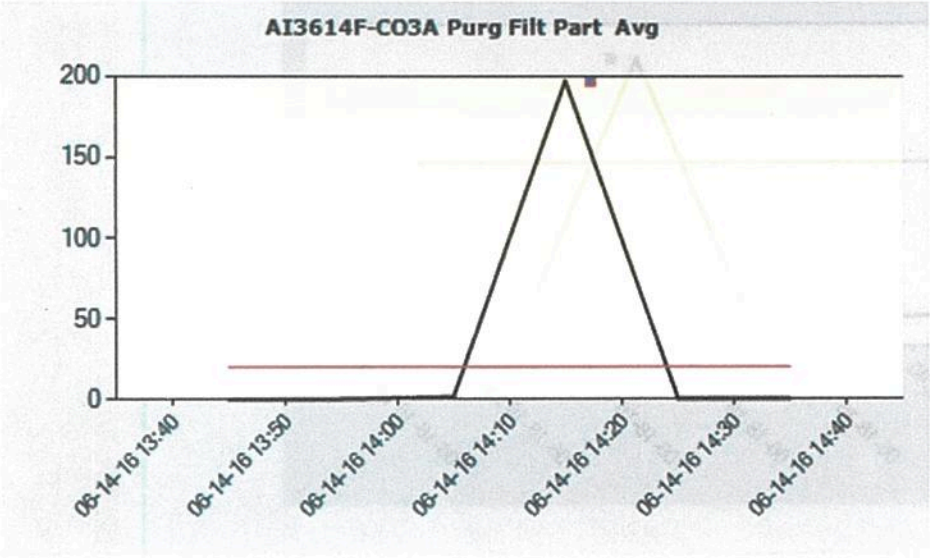
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3A Purge Filter, 6-14-16, 11:15– 11:45



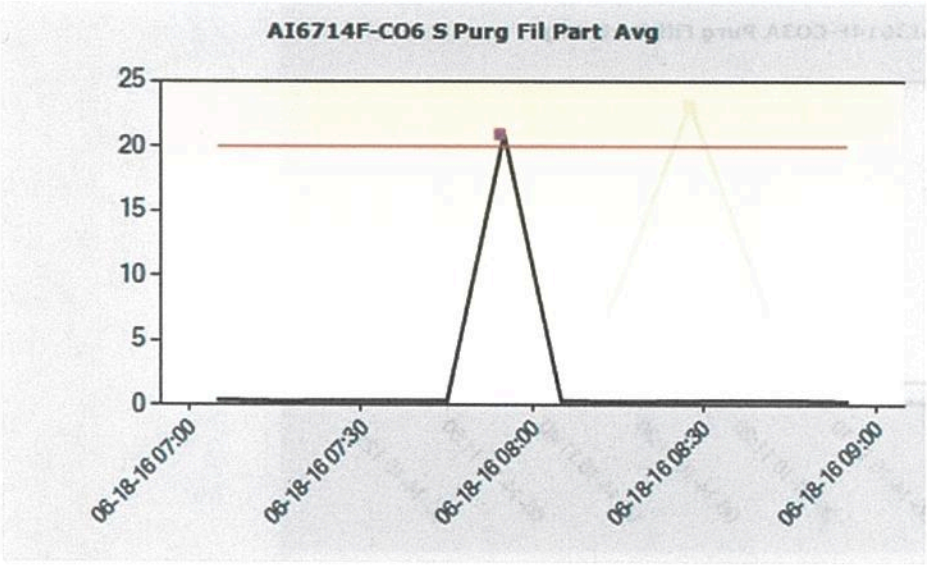
CO3A Purge Filter, 6-14-16, 14:15– 14:25



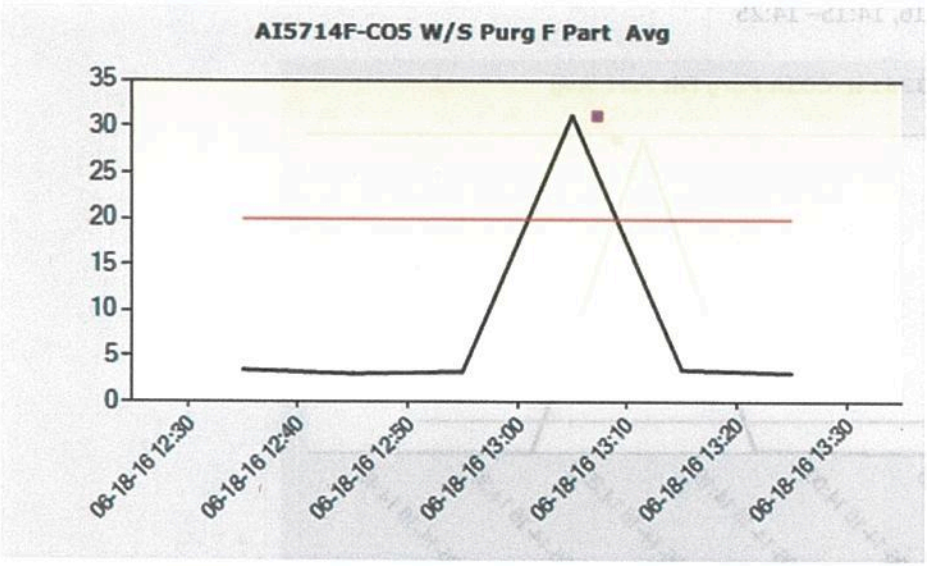
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 6-18-16, 7:55– 8:05



CO5 W/S Purge Filter, 6-18-16, 13:05– 13:15



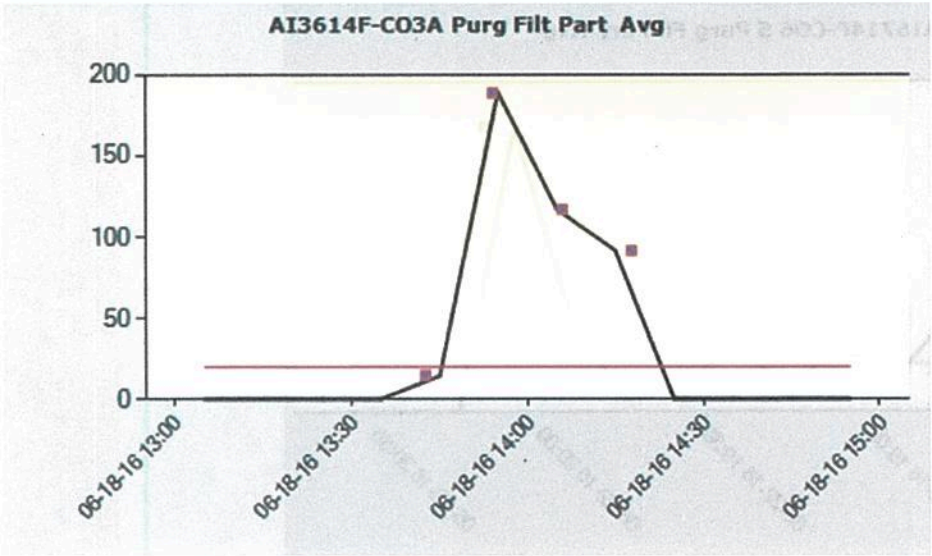
ATTACHMENT 2

EXPLANATION OF PERIODS OF PM EARLY WARNING SYSTEM DOWNTIME

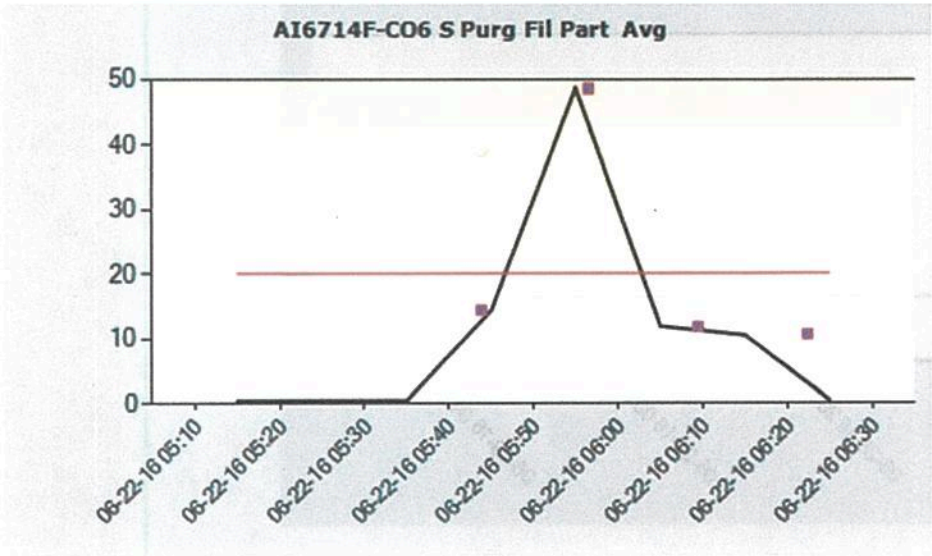
CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO3A Purge Filter, 6-18-16, 13:55– 14:25



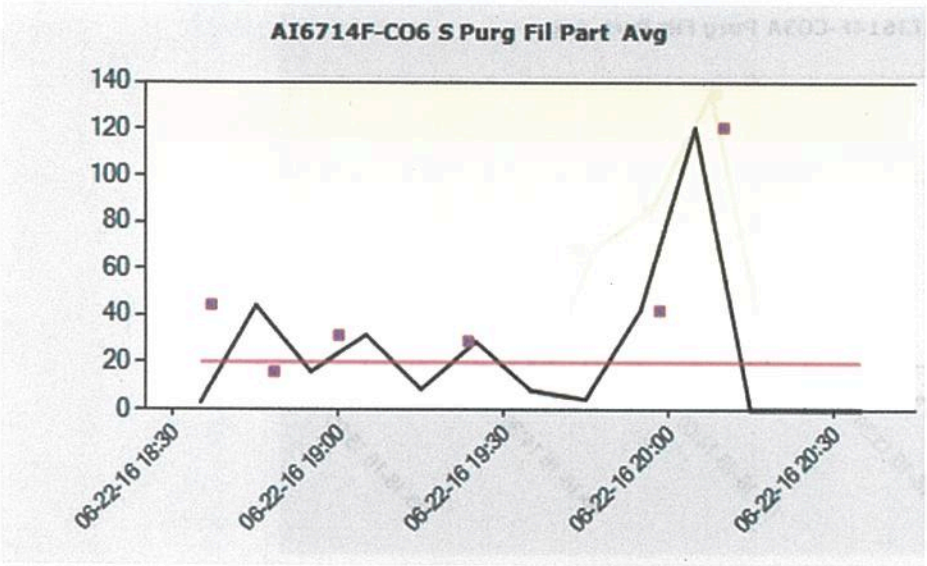
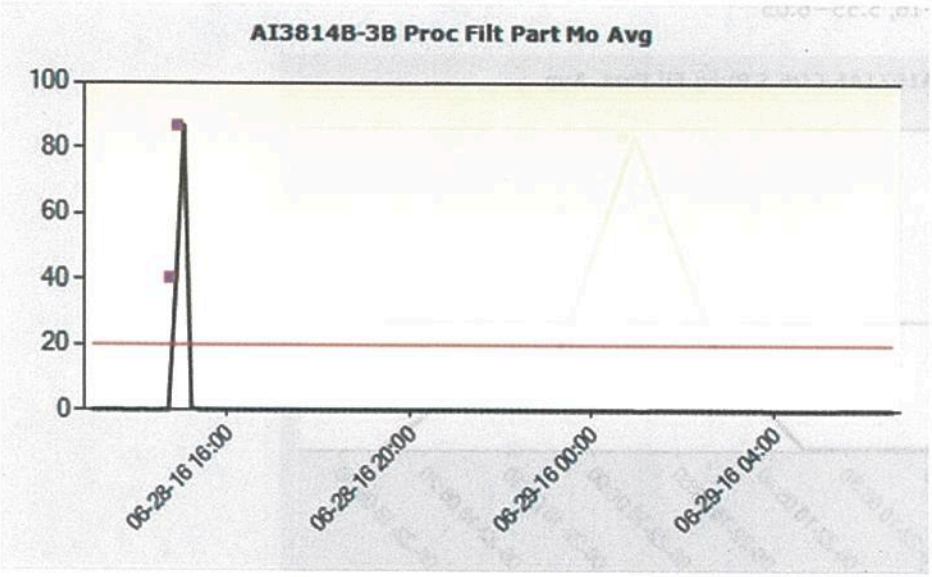
CO6 S Purge Filter, 6-22-16, 5:55– 6:05



CANAL PLANT

REPORTING PERIOD: JULY 1, 2016 – DECEMBER 31, 2016

CO6 S Purge Filter, 6-22-16, 18:45– 20:15



CO3B Process Filter, 6-28-16, 14:55– 15:15