

B2132
Mawika - FCE

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

| | |
|--|---------------------------------|
| Facility : WYANDOTTE DEPT MUNI POWER PLANT | SRN : B2132 |
| Location : 2555 VAN ALSTYNE | District : Detroit |
| | County : WAYNE |
| City : WYANDOTTE State: MI Zip Code : 48192 | Compliance Status : Compliance |
| Source Class : MAJOR | Staff : Stephen Weis |
| FCE Begin Date : 7/13/2016 | FCE Completion Date : 7/13/2017 |
| Comments : FY 2017 FCE for the Wyandotte Department of Municipal Service Power Plant facility. | |

List of Partial Compliance Evaluations :

| Activity Date | Activity Type | Compliance Status | Comments |
|---------------|----------------------|-------------------|--|
| 07/13/2017 | Scheduled Inspection | Compliance | Compliance inspection of the City of Wyandotte Department of Municipal Services Power Plant. The Power Plant facility is scheduled for inspection in FY 2017. |
| 04/28/2017 | Other | Compliance | Review of RY2016 MAERS report. |
| 03/23/2017 | ROP Annual Cert | Compliance | This report includes the total deviations for both semi-annual periods of 2016. |
| 03/23/2017 | ROP SEMI 2 CERT | Compliance | The Wyandotte Department of Municipal Services (WMS) submitted the Semi-annual ROP Monitoring and Deviation report for the semi-annual period from July 1, 2016 through December 31, 2016. WMS reported there were no deviations during the semi-annual period, and that all monitoring and recordkeeping requirements in the facility's ROP were met. |

| Activity Date | Activity Type | Compliance Status | Comments |
|---------------|----------------|-------------------|--|
| 03/23/2017 | MACT (Part 63) | Compliance | Wyandotte Municipal Services (WMS) submitted the 40 CFR Part 63, Subpart ZZZZ Semi-annual report for the semi-annual period from July 1, 2016 through December 31, 2016. The Semi-annual Compliance Report form states that "There were no deviations from any applicable emission or operating limitation during the reporting period.", and "There were no periods during which the continuous monitoring system (CMS) was out-of-control during the reporting period." In this report, WMS provided the hours of operation of the three engines that are subject to Subpart ZZZZ, and included summary tables that indicate that there were no deviations or out-of-control operations. |

| Activity Date | Activity Type | Compliance Status | Comments |
|---------------|-----------------------|-------------------|--|
| 03/22/2017 | MACT (Part 63) | Compliance | <p>The Wyandotte Department of Municipal Services (WMS) submitted documentation this is required by 40 CFR Part 63, Subpart DDDDD. The Unit 5 boiler, designated as EUUNIT5BLR in the WMS Power Plant's ROP, is subject to Subpart DDDDD. WMS received a one year extension until January 31, 2017 to comply with Subpart DDDDD.</p> <p>The correspondence serves to provide notification of compliance as required by 40 CFR 63.7545 (e). The correspondence includes statements that, in accordance with 40 CFR 63.7545(e)(8):</p> <p>1)The facility has complied with the relevant requirements under Subpart DDDDD for the Unit 5 boiler.</p> <p>2) The facility completed the required initial tune-up on all of the subject boilers and process heaters, following the procedures outlined in 63.7540(a)(10)(i) through (vi).</p> <p>3) The facility had an energy assessment performed, in accordance with the requirements in 63.7530(e).</p> <p>4) The facility stated that no secondary materials that are solid waste were combusted in Unit 5, and that the unit only burns natural gas.</p> |
| 01/11/2017 | ROP Tech Review Notes | Compliance | Review notes for determining applicable regulations and requirements |

| Activity Date | Activity Type | Compliance Status | Comments |
|---------------|----------------|-------------------|--|
| 12/14/2016 | Stack Test | Compliance | <p>Compliance Emission Sampling Report for FGWMSENGINES.</p> <p>Testing was performed on October 5-6 and November 3, 2016 to 1) demonstrate compliance with MACT Subpart ZZZZ CO destruction efficiency requirements, and 2) establish an updated NOx emission factor for the engines.</p> <p>The measured CO destruction efficiencies were 95.16% for Engine 1, 94.67% for Engine 2 and 95.07% for Engine 3. The required CO destruction efficiency is $\geq 70\%$.</p> <p>Engine 3 was measured for NOx emissions. The measured NOx emission rate was 23.91 lbs/hour.</p> |
| 10/19/2016 | MACT (Part 63) | Compliance | <p>Wyandotte Municipal Services (WMS) submitted the 40 CFR Part 63, Subpart ZZZZ Semi-annual report for the semi-annual period from January 1, 2016 through June 30, 2016. The Semi-annual Compliance Report form states that "There were no deviations from any applicable emission or operating limitation during the reporting period.", and "There were no periods during which the continuous monitoring system (CMS) was out-of-control during the reporting period." In this report, WMS provided the hours of operation of the three engines that are subject to Subpart ZZZZ, and included summary tables that indicate that there were no deviations or out-of-control operations.</p> |

| Activity Date | Activity Type | Compliance Status | Comments |
|---------------|----------------------------------|-------------------|---|
| 10/19/2016 | ROP Semi 1 Cert | Compliance | <p>The Wyandotte Department of Municipal Services (WMS) submitted the Semi-annual ROP Monitoring and Deviation report for the semi-annual period from January 1, 2016 through June 30, 2016. WMS reported one deviation for the semi-annual period that relates to the stack parameters listed in Special Condition (SC) VIII.1 of the EUUNIT7BLR Emission Unit in the facility's current ROP (No. MI-ROP-B2132-2010). The maximum exhaust diameter listed in the SC is 75 inches, while the actual installed exhaust diameter is 110 inches. Permit to Install No. 2-16, which was issued on 3/23/2016, corrects the maximum diameter for the Unit 7 exhaust. This PTI will be incorporated into the ROP renewal. The stack parameters in PTI No. 2-16 are currently the enforceable permit conditions for Unit 7.</p> |
| 10/06/2016 | Reg. Applicability Determination | Compliance | <p>Updated Potential to Emit (PTE) received with the removal of coal use and the removal of EUUNIT8BLR. Source is now a minor source of SO2 and HAPs, yet due to "Once In Always In", the site will need to comply with Major HAP status.</p> |

Name: Steve Wes Date: 9/19/17 Supervisor: JK