

**CITGO Petroleum Corporation, Lemont Refinery**  
**Consent Decree Semi-Annual Report**  
Reporting Period: July 1, 2019 through December 31, 2019

**Attachment 7**  
**Status of Supplemental Environmental Projects**  
Paragraphs 63.g., 55

<i>Description</i>	<i>Consent Decree Paragraphs and Appendices Addressed</i>	<i>Status</i>	<i>Report Appendix with Status Details</i>
Fence Line Monitoring System	51, 53, 54, 55, Appendix C	Complete	Attachment 7, Appendix A  Completion Report is included in this report as Attachment 11, Appendix A.
Green Lighting Project	52, 53, 54, 55, Appendix D	Complete	Attachment 7, Appendix B  Completion Report was included as Attachment 10, Appendix A of the Semi-Annual Report submitted August 22, 2018.

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#### Attachment 7, Appendix A

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Paragraphs 63.g., 55, Appendix C

<i>SEP</i>	<i>Item</i>	<i>Status</i>
Fence Line Monitoring System	Description	<p>The Fenceline Monitoring System (FLMS) under this Consent Decree consisted expending at least \$650,000 to do the following:</p> <ul style="list-style-type: none"> <li>- A station to monitor meteorological parameters, and</li> <li>- Two stations consisting of a shelter and monitors for benzene, hexane, and hydrogen sulfide monitors ("Tank Farm" and "Mink Farm")</li> <li>- Meet shelter design, station location, and sampler inlet requirements</li> <li>- Use a Data Acquisition System to log numerical data</li> <li>- Operate the above monitors, equipment, and systems for a period of no less than two years beginning with the date the Field Investigations are required.</li> <li>- Apply QA/QC procedures</li> <li>- Post data to a website (<a href="http://www.citgorefining.com/lemont/environment">http://www.citgorefining.com/lemont/environment</a>)</li> <li>- Conduct Field Investigations based on Screening Conditions detected with the above monitoring equipment.</li> <li>- If necessary, implement corrective actions to address the Screening Condition.</li> </ul> <p>Per Paragraph C.16, this SEP was not to be complete until at least two years after the date that Field Investigations began to be required per Paragraph C.4 (July 2, 2017).</p> <p>The SEP was complete as of July 2, 2019.</p> <p>The Completion Report is included as Appendix A of Attachment 11 Appendix A.</p>

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<i>SEP</i>	<i>Item</i>	<i>Status</i>
Fence Line Monitoring System	Status	<p>The above monitoring equipment was installed by January 31, 2017, at a total project cost of \$1,507,255. This does not include ongoing contractor support for data review and analyzer maintenance.</p> <p>The FLMS Plan was submitted to U.S. EPA on May 8, 2017.</p> <p>Validation of Equipment, Field Investigation Development, and Training were completed June 30, 2017.</p> <p>Field Investigations were able to be performed for any Screening Events occurring on or after July 1, 2017.</p> <p>Data was posted to the web-site beginning July 2, 2017.</p> <p>Per paragraph C16, this SEP is deemed complete after operating two years after Field Investigations were required (<i>i.e.</i>, July 2, 2019, which is two years after July 2, 2017). A SEP Completion Report is included with the Semi-Annual Report covering the 2nd half of 2019. (see Attachment 11, Appendix A).</p>
	Number and dates of Screening Conditions observed during period	<p>No Screening Conditions were observed during the reporting period.</p> <p>Per Paragraph C.16, this SEP was not to be complete until at least two years after the date that Field Investigations began to be required per Paragraph C.4 (July 2, 2017).</p> <p>The SEP was complete as of July 2, 2019.</p> <p>The Completion Report is included as Appendix A of Attachment 11 Appendix A.</p>

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<i>SEP</i>	<i>Item</i>	<i>Status</i>
Fence Line Monitoring System	Per Paragraph C24.b., For each observed Screening Condition, the following are provided: - Detailed summary - Associated Field Investigation - Findings of Compliance Status Determination  - Corrective Action - FLMS measurement data - Narrative description of IR Camera gas imaging - Portable PID data - Process and operational data - Actions taken	No Screening Conditions were observed during the reporting period.  Per Paragraph C.16, this SEP was not to be complete until at least two years after the date that Field Investigations began to be required per Paragraph C.4 (July 2, 2017).  The SEP was complete as of July 2, 2019.  The Completion Report is included as Appendix A of Attachment 11 Appendix A.

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**Attachment 7, Appendix B**  
**Status of Supplemental Environmental Projects**  
Paragraphs 63.g., 55, Appendix D

<i>SEP</i>	<i>Item</i>	<i>Status</i>
Green Lighting Project	Description	Spend at least \$350,000 to: - By July 11, 2018, convert all 400 W metal halide fixtures to 150 W LED fixtures in the gymnasiums of the Lemont-Bromberek Consolidated School District school gymnasiums; and - Using funds remaining after the above gymnasium lighting conversions, convert as many T-8 fluorescent tube fixtures into LED tubes in the three above-referenced schools to fully spend the \$350,000 required:
	Status	The SEP is considered complete.  The initial \$350,000 was fully expended by May 4, 2018 towards improved lighting and occupancy sensors at the Lemont-Bromberek Consolidated School district gymnasiums, classrooms, and offices.  The SEP Completion Report was included as Attachment 10, Appendix A of the Semi-Annual Report submitted August 22, 2018.