

CITGO Petroleum Corporation, Lemont Refinery
Consent Decree Semi-Annual Report
Reporting Period: January 1, 2019 through June 30, 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	On-going	Attachment 7, 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"> - A station to monitor meteorological parameters, and - Two stations consisting of a shelter and monitors for benzene, hexane, and hydrogen sulfide monitors ("Tank Farm" and "Mink Farm") - Meet shelter design, station location, and sampler inlet requirements - Use a Data Acquisition System to log numerical data - 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. - Apply QA/QC procedures - Post data to a website (http://www.citgorefining.com/lemont/environment) - Conduct Field Investigations based on Screening Conditions detected with the above monitoring equipment. - If necessary, implement corrective actions to address the Screening Condition.
	Status	<p>The above monitoring equipment was installed by January 31, 2017, at a total project cost of \$1,497,883. 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 will be 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 will be included with the Semi-Annual Report covering the 2nd half of 2019.</p>
	Number and dates of Screening Conditions observed during period	No Screening Conditions were observed during the reporting period.

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<i>SEP</i>	<i>Item</i>	<i>Status</i>
Fence Line Monitoring System	<p>Per Paragraph C24.b., For each observed Screening Condition, the following are provided:</p> <ul style="list-style-type: none">- 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.

CITGO Petroleum Corporation, Lemont Refinery
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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.