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CDPHE Malfunction Reporting Form	
Suncor Representative	Drew Leonard
Date of E-Mail Notification	Monday, March 13, 2017
Time of E-Mail Notification	11:30 AM
Estimated Event Start Date and Time	3/11/17 9:54 PM
Estimated Event End Date and Time	ongoing
Operating Permit No.	95OPAD108 - East Plant
AIRS ID No.	279-Plant 2 Main Plant Flare 217 - #2 FCC Regenerator
Condition of Permit, Regulation, or Standard Potentially Deviated From (e.g., Condition 25.1)	8.4 - H2S in Flare Gas (3-hr avg) 8.10/37.1 - Visible Emissions (<5 minutes in any 2 hours) 2.8/19.1 - Opacity not to exceed 20% (State) (6-min avg) 2.7/33 - Opacity not to exceed 30% (Federal) (6-min avg) Consent Decree - 500 ppm CO at 0% O2 (1-hour avg) 2.7/33 - 500 ppm CO (1-hour avg)
Estimated Maximum Numeric Value of Deviation^a (e.g., ppm, ppmc lb/hr, etc.)	P2 Flare - H2S in Flare Gas 209 ppm (3-hr avg) 2FCC Opacity - 86% (6-min avg) 2FCC CO -1,120 ppm at 0% O2 (1-hour avg) 2FCC CO - 722 ppm (1-hour avg)
Information Regarding Cause of Deviation^b	Plant-wide power failure.

Notes:

^aThese are draft emissions estimates and are subject to revisions and/or updates. The final emissions will be reported on the quarterly excess emissions reports.

^bInformation regarding the cause of the deviation may change based on the results of pending investigations. The final deviation cause will be provided in the Malfunction Forms.

File Location

<Z:\400 Multi-Media\490 Exceedance Reports & Results\492 Permit Exceedances & Upset Reports\531.03 2012 Upsets\Malfunction Report Template>