C. ATTACHMENTS

- ☐ **Narrative description of the operations:**

  At this time, the Kickapoo Lucky Eagle Casino has added a new diesel engine to the three diesel engines installed to operate four emergency generators. These engines work only during electricity emergency outbreaks, and 20 minute per week routine and maintenance operation.

  During Operation and Maintenance, the engines operate separately, one engine at a time.

  The period of time the generators will operate, will depend on how soon the power is reestablished by the electricity company.

  The Hotel has 4 commercial water heaters that use natural gas as fuel.

- ☐ **Identification and description of all emission units and air pollution generating activities (with the exception of the exempt emissions units and activities listed in 49.153(c)**

- ☐ **Identification and description of any existing air pollution control equipment and compliance monitoring devices or activities**

- ☐ **Type and amount of each fuel used**

  Type of fuel: Diesel.

  Amount: Undetermined.

- ☐ **Type raw materials used**

  Diesel

- ☐ **Production Rates**
  N/A
- ☐ **Operating Schedules**

  Diesel Engines:

  Weekly: for testing and maintenance purposes.

  Undetermined: During emergency power outbreaks.

  Water Heaters: Daily.

- ☐ **Any existing limitations on source operations affecting emissions or any work practice standards, where applicable, for all regulated NSR pollutants at your source.**
  None

- ☐ **Total allowable (potential to emit if there are no legally and practically enforceable restrictions) emissions from the air pollution source for the following air pollutants:**

particulate matter, PM_{10}, $PM_{2.5}$, sulfur oxides (SO_x), nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compound (VOC), lead (Pb) and lead compounds, fluorides (gaseous and particulate), sulfuric acid mist (H_2SO_4), hydrogen sulfide (H_2S), total reduced sulfur (TRS) and reduced sulfur compounds, including all calculations for the estimates.

The calculations for the allowable emissions were obtained from the Internal Combustion Engine registration calculator and the Industrial Boilers Registration Calculator. The total allowable emissions for each pollutant are the sum of Allowable Emissions for the Boilers and the Allowable Emissions for the Combustion Engines.

Pollutant	Allowable Emissions Boilers (tons/yr)	Allowable Emissions Internal Combustion Engines (tons/yr)	Total Allowable Emissions for the Facility (tons/yr)
CO	1.8	146.7	148.5
NOx	2.1	640.0	642.1
SO_2	3.1	107.9	111.0
VOC	0.1	18.8	18.9
PM_{10}	0.0	18.7	18.7
$PM_{2.5}$	0.0	18.7	18.7

☐ **Estimates of the total actual emissions from the air pollution source for the following air pollutants: particulate matter, PM_{10}, $PM_{2.5}$, sulfur oxides (SO_x), nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compound (VOC), lead (Pb) and lead compounds, ammonia (NH_3), fluorides (gaseous and particulate), sulfuric acid mist (H_2SO_4), hydrogen sulfide (H_2S), total reduced sulfur (TRS) and reduced sulfur compounds, including all calculations for the estimates.**

The calculations for the estimates were obtained from the Internal Combustion Engine registration calculator and the Industrial Boilers Registration Calculator. The Estimated Total Emissions for each pollutant are the sum of Allowable Emissions for the Boilers and the Allowable Emissions for the Combustion Engines.

Pollutant	Estimated actual emissions for 2012 for boilers (tons/yr)	Estimated actual emissions for Internal Combustion Engines (tons/yr)	Estimated Total Emissions for the Facility (tons/yr)
CO	0.0	0.4	0.4
NOx	0.0	1.73	1.73
SO_2	0.0	0.14	0.14
VOC	0.0	0.05	0.05
PM_{10}	0.0	0.05	0.05
$PM_{2.5}$	0.0	0.05	0.05

☐ **Other**