

Attachment A: Emission Units

| <u>Unit ID</u>   | <u>Description</u>                                   | <u>Number</u> | <u>Rated Heat Input<sup>1</sup><br/>(HHV)<br/>(mmBtu/hr)</u> | <u>Rated Electrical Output<sup>1</sup><br/>(MWe)</u> | <u>Control</u>   |
|------------------|--|---------------|--|--|--|
| Unit 1 - 2       | Combustion turbine (CT)                              | 2             | 1,762  | 168  | Selective catalytic reduction and Low NO <sub>x</sub> combustors |
| Duct burners 1-2 | Duct burners   | 2             | 776  | --   | Selective catalytic reduction                                    |
| HRSG 1 - 2       | Heat Recovery Steam Generator                        | 2             | --   | --   | Selective catalytic reduction                                    |
|                  | Auxiliary Boiler                                     | 1             | 42   | --   | Low NO <sub>x</sub> burner and flue gas recirculation            |
|                  | Backup diesel fire pump(175 Hp maximum) <sup>2</sup> | 1             | --   | --   | None   |
|                  | Cooling towers                                       | 11 cells      | --   | --   | Drift eliminators  |

1. Nominal ratings per unit.
2. Unit operated on a limited basis for backup purposes. As a result, the units are not considered significant units.

Attachment B

Project Emissions (ton/yr)

| <u>Pollutant</u>    | <u>Potential Emissions</u> |
|---------------------|----------------------------|
| CO                  | 449                        |
| NO <sub>x</sub>     | 345                        |
| PM/PM <sub>10</sub> | 265                        |
| VOM                 | 42                         |
| SO <sub>2</sub>     | 128                        |

Table 1A: Emission Limits for each CT/HRSG (without duct burners)

| <u>Pollutant</u>    | <u>Natural gas</u>          |                          | <u>Fuel oil</u>             |                          |
|---------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|
|                     | <u>lb/mmBtu<sup>1</sup></u> | <u>lb/hr<sup>2</sup></u> | <u>lb/mmBtu<sup>1</sup></u> | <u>lb/hr<sup>3</sup></u> |
| NO <sub>x</sub>     | 0.02                        | 31.8                     | 0.04                        | 80.8                     |
| CO                  | 0.02                        | 31.0                     | 0.04                        | 71.0                     |
| PM/PM <sub>10</sub> | 0.01                        | 19.4                     | 0.04                        | 88.4                     |
| VOM                 | 0.002                       | 3.0                      | 0.01                        | 3.2                      |
| SO <sub>2</sub>     | 0.001                       | 2.6                      | 0.06                        | 105.6                    |

Emission limits are per unit

1. Limit based on vendor/manufacture data and information provided in the permit application.
2. Limit based on modeling data and information provided in the permit application. If the applicable limits for CO, VOM, or PM/PM<sub>10</sub> are not met by a turbine, it shall also be presumed to constitute failure to use good combustion practice as required by Condition 2(d), as well as an exceedance of Condition 9(a).
3. Limit based on modeling data and information provided in the permit application. These limits apply at all times, except the limit on CO, which do not apply at and below 75% load. CO emissions at and below 75% load shall not exceed 76 lb/hour. If the applicable limits for CO, VOM, or PM/PM<sub>10</sub> are not met by a turbine, it shall also be presumed to constitute failure to use good combustion practice as required by Condition 2(d), as well as an exceedance of Condition 9(a).

Table 1B: Emission Limits for each CT/HRSG (with duct burners)

| <u>Pollutant</u>    | <u>Natural Gas</u>          |                          |
|---------------------|-----------------------------|--------------------------|
|                     | <u>lb/mmBtu<sup>1</sup></u> | <u>lb/hr<sup>2</sup></u> |
| NO <sub>x</sub>     | 0.02                        | 41.7                     |
| CO                  | 0.12                        | 108.6                    |
| PM/PM <sub>10</sub> | 0.012                       | 31.0                     |
| VOM                 | 0.022                       | 12.3                     |
| SO <sub>2</sub>     | 0.001                       | 3.7                      |

Emission limits are per unit

1. Limits based on vendor/manufacture data and information provided in the permit application.
2. Limit based on modeling data and information provided in the permit application. If the applicable limits for CO, VOM, or PM/PM<sub>10</sub> are not met by a turbine, it shall also be presumed to constitute failure to use good combustion practice as required by Condition 2(d), as well as an exceedance of Condition 9(a).

Fuel oil does not have duct burner option.

Holland Energy, LLC  
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Table 1C: Annual Emissions (ton/yr) for Both CT/HRSGs

| <u>Pollutant</u>    | <u>Limit (Total)</u> |
|---------------------|----------------------|
| NO <sub>x</sub>     | 342                  |
| CO                  | 433                  |
| PM/PM <sub>10</sub> | 256                  |
| VOM                 | 40                   |
| SO <sub>2</sub>     | 127                  |

Table 3: Emissions from other significant units (ton/yr)

| <u>Unit</u>      | <u>NO<sub>x</sub></u> | <u>CO</u> | <u>PM</u>  | <u>VOM</u> | <u>SO<sub>2</sub></u> |
|------------------|-----------------------|-----------|------------|------------|-----------------------|
| Fire water Pump  | 0.5                   | 0.1       | 0.03       | 0.1        | 0.1                   |
| Auxiliary Boiler | 2.1                   | 15.5      | 0.32       | 1.8        | 0.3                   |
| Cooling towers   | --                    | --        | <u>8.3</u> | --         | --                    |
| Totals:          | 2.6                   | 15.6      | 8.65       | 1.9        | 0.4                   |