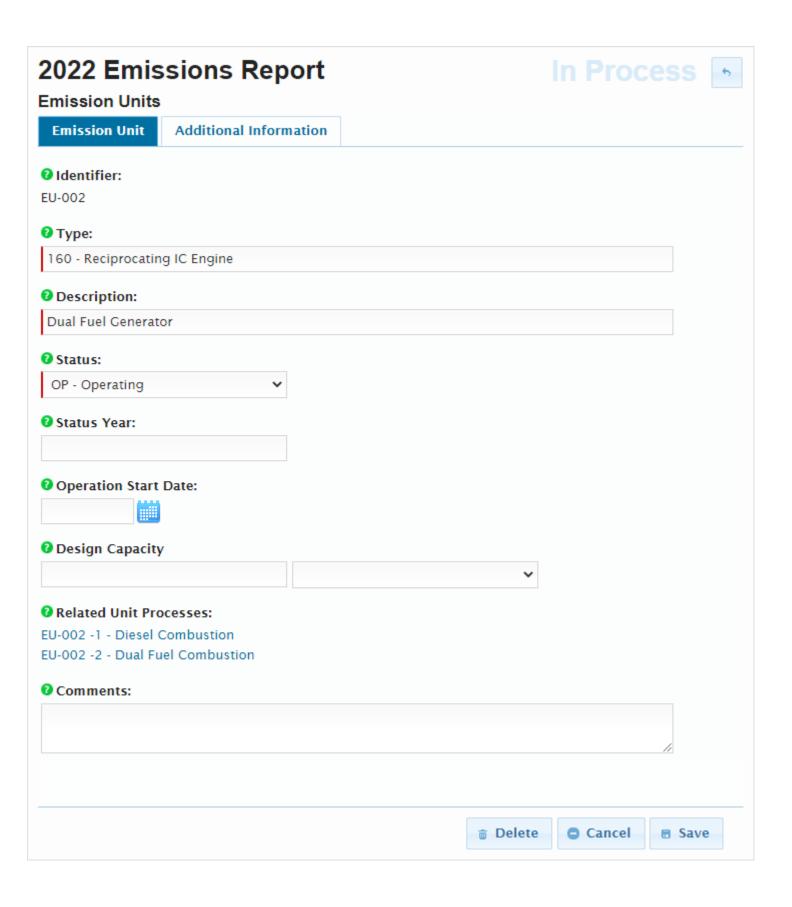
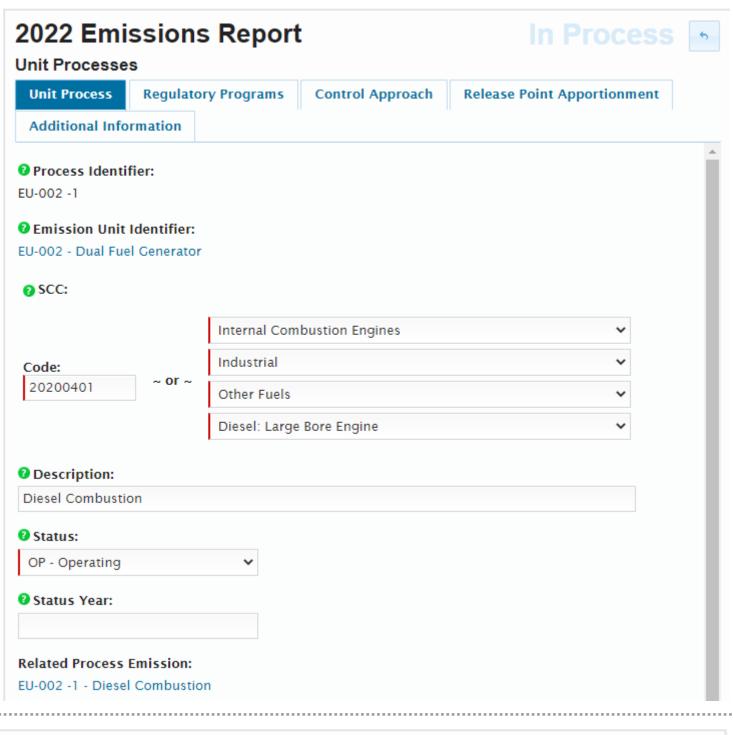
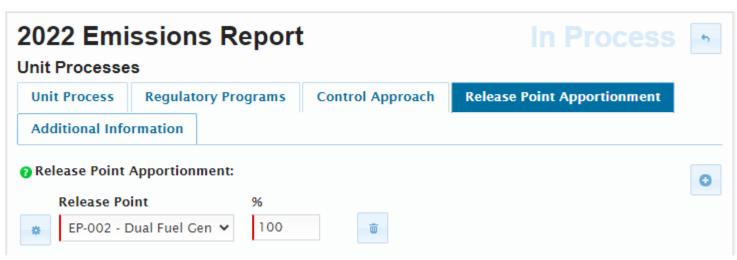
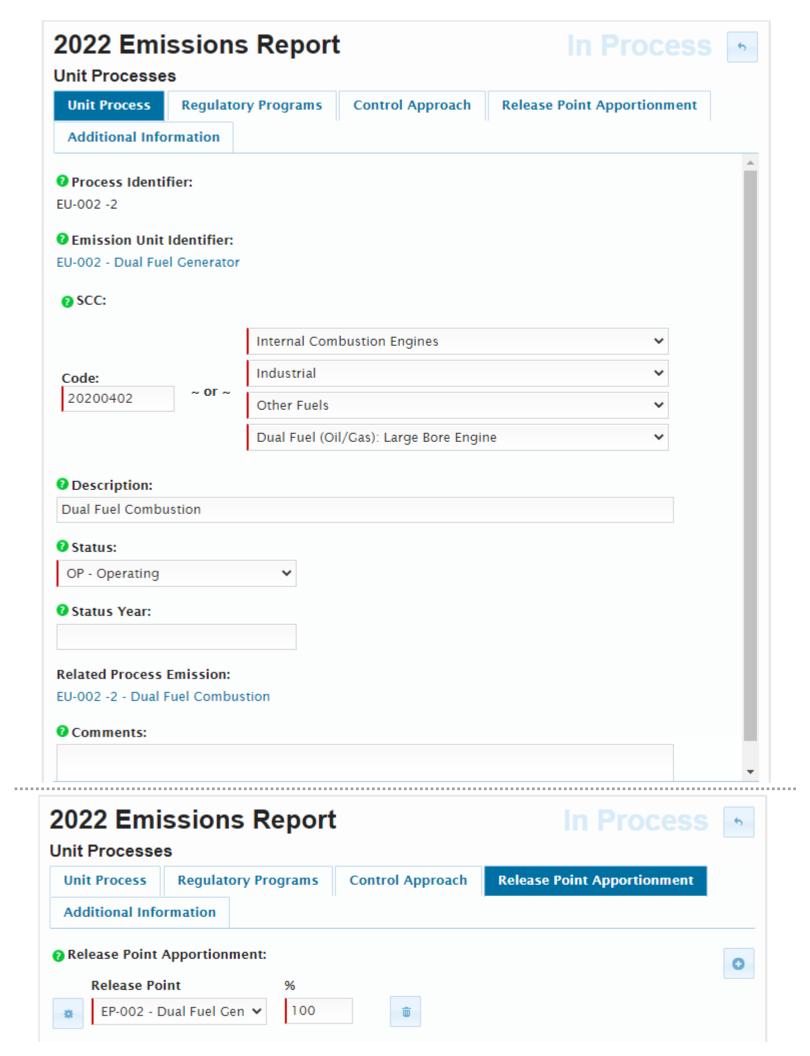
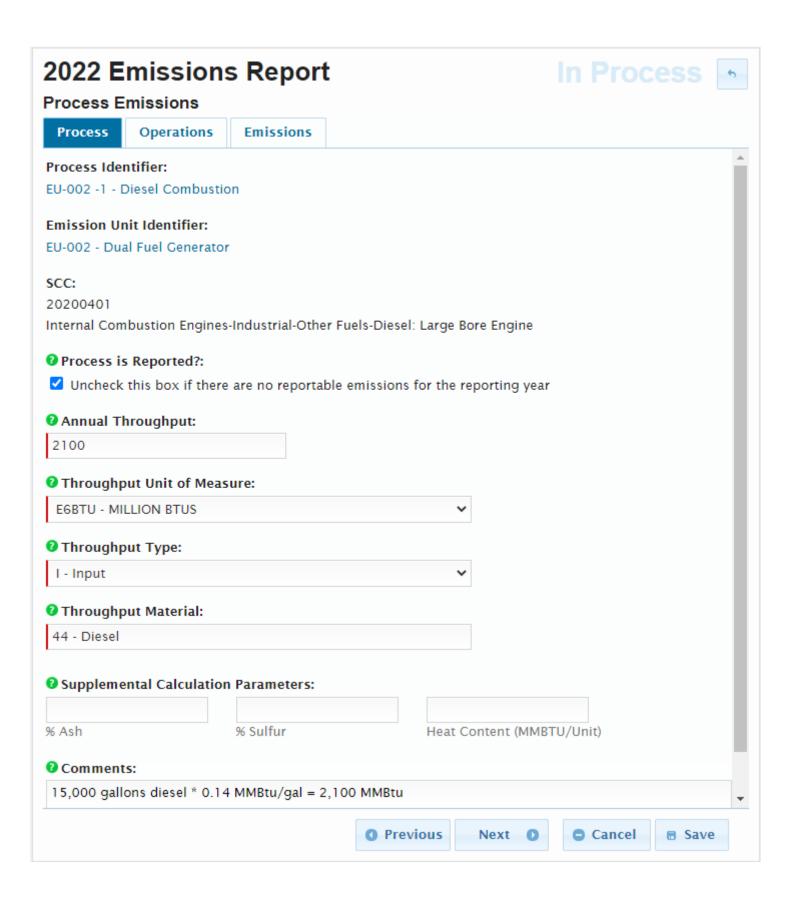
### 2022 Emissions Report In Process Release Points **Release Point** Additional Information Location **1** Identifier: EP-002 Type: Vertical Description: Dual Fuel Generator Stack 3 Status: Operating Status Year: Stack Height: 30.0 FEET Stack Shape: CircularRectangular Stack Diameter: 1.25 **FEET** Exit Gas Temp: 500 Exit Gas Flow Rate: 4000 SCFM - STANDARD CUBIC FEET PI ▼ Exit Gas Velocity: Fence Line Distance: **FEET** Related Unit Processes: EU-002 - Dual Fuel Generator, EU-002 -1 - Diesel Combustion EU-002 - Dual Fuel Generator, EU-002 -2 - Dual Fuel Combustion Comments:

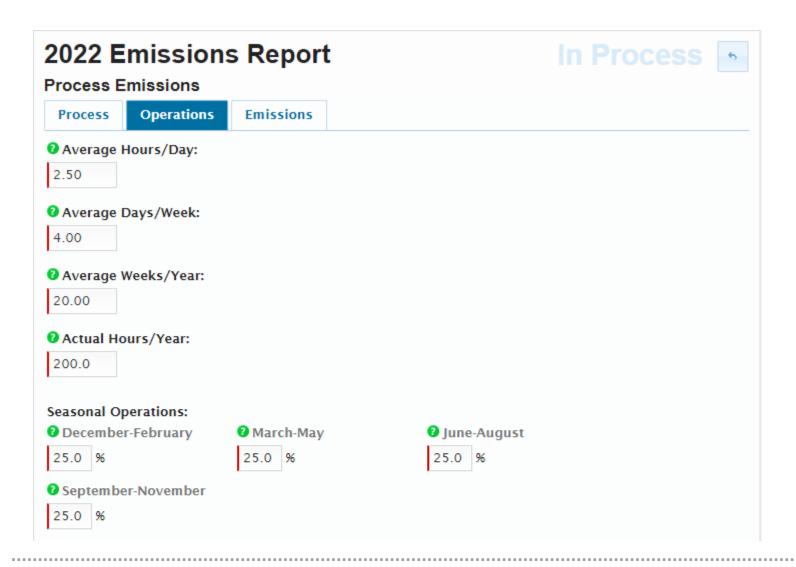






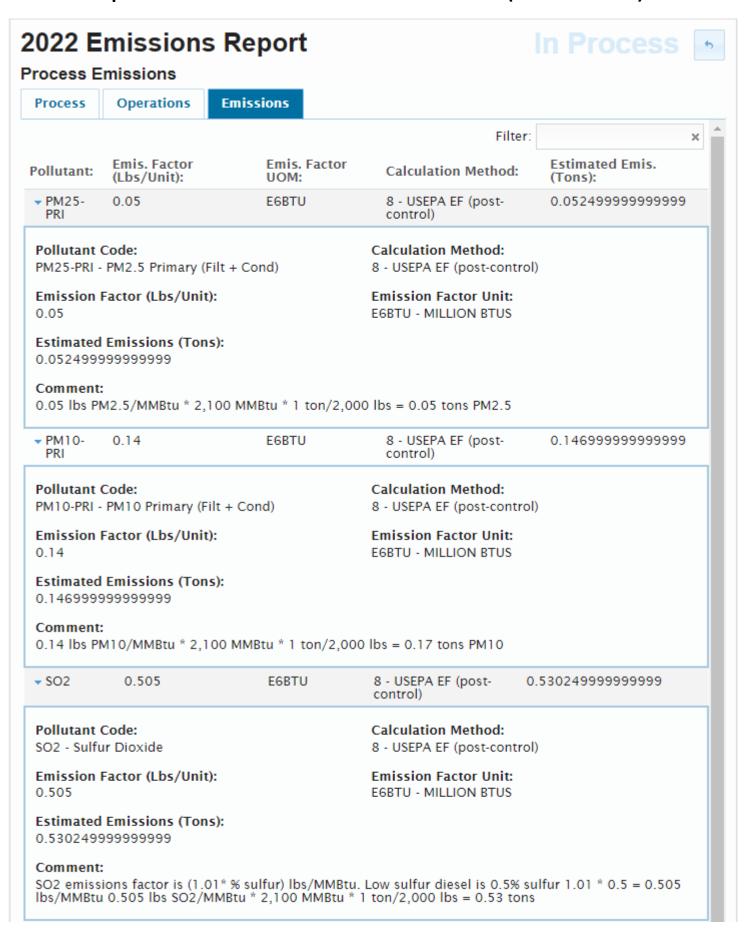






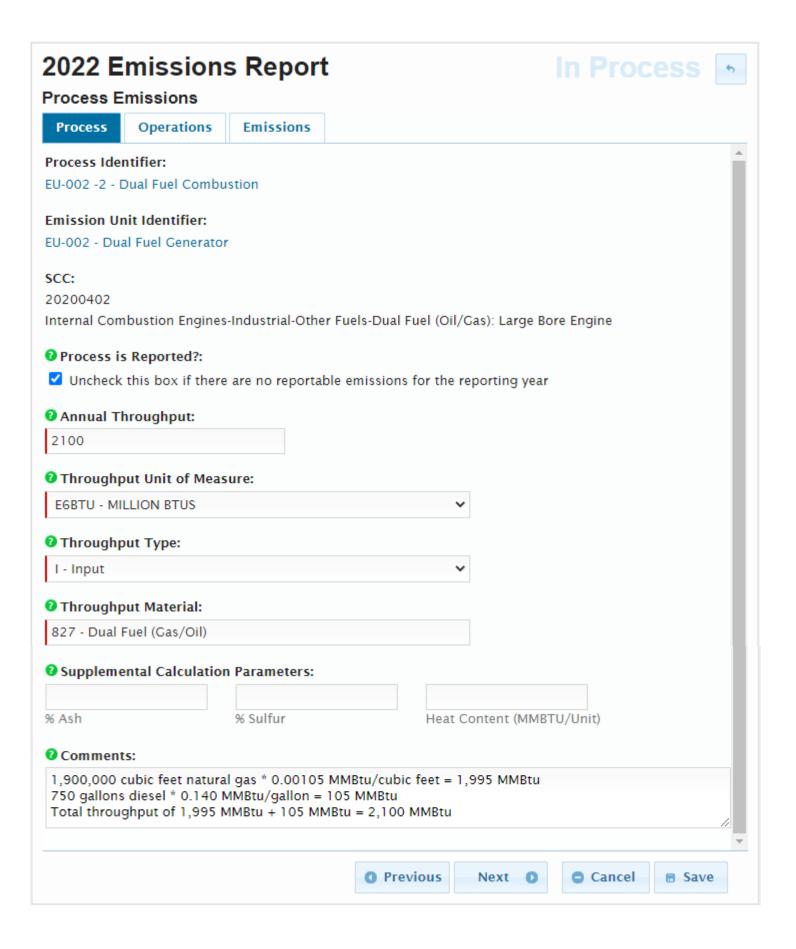


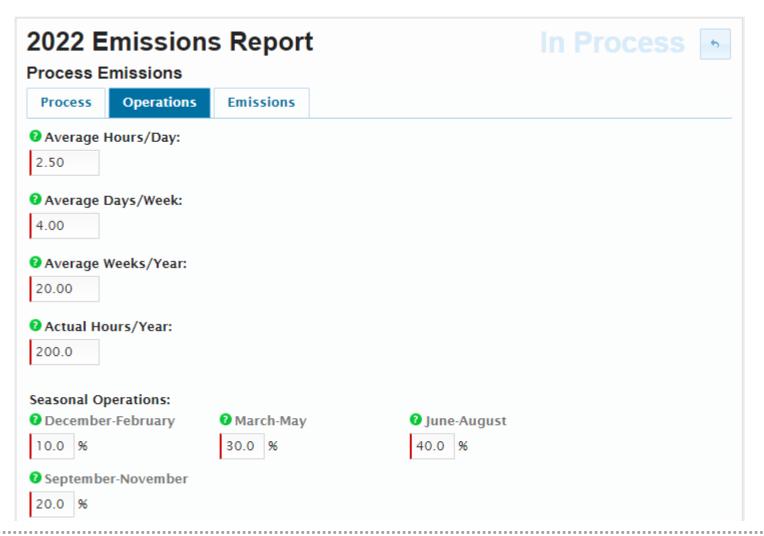
#### Individual pollutant calculations for Diesel Combustion (SCC 20200401):



# Individual pollutant calculations for Diesel Combustion (SCC 20200401) continued:

▼ NOX 3.2		E6BTU	8 - USEPA EF (post- control)	3.36
<b>Pollutant Code:</b> NOX - Nitrogen O	xides		Calculation Method: 8 - USEPA EF (post-control)	
Emission Factor 3.2	(Lbs/Unit):		Emission Factor Unit: E6BTU - MILLION BTUS	
Estimated Emiss 3.36	ions (Tons):			
Comment: 3.2 lbs NOx/MMB	tu * 2,100 MMBtu	* 1 ton/2,000 lk	os = 3.36 tons NOx	
▼ VOC 0.081	9	E6BTU	8 - USEPA EF (post- control)	0.085995
Pollutant Code: VOC - Volatile Org	ganic Compounds		Calculation Method: 8 - USEPA EF (post-control)	
<b>Emission Factor</b> 0.0819	(Lbs/Unit):		Emission Factor Unit: EGBTU - MILLION BTUS	
<b>Estimated Emiss</b> 0.085995	ions (Tons):			
Comment: 0.0819 lbs VOC/N	MMBtu * 2,100 MM	Btu * 1 ton/2,00	00 lbs = 0.09 tons VOC	
CO 0.85		E6BTU	8 - USEPA EF (post- control)	0.892499999999999
Pollutant Code: CO - Carbon Mond	oxide		Calculation Method: 8 - USEPA EF (post-control)	
<b>Emission Factor</b> 0.85	(Lbs/Unit):		Emission Factor Unit: E6BTU - MILLION BTUS	
<b>Estimated Emiss</b> 0.892499999999				







#### Individual pollutant calculations for Diesel Combustion (SCC 20200402):

#### 2022 Emissions Report Process Emissions **Emissions** Operations Process Emis. Factor Estimated Emis. Emis. Factor Pollutant: Calculation Method: (Lbs/Unit): UOM: (Tons): PM25-PRI 0.0556 E6BTU 8 - USEPA EF (post-0.058379999999999 Pollutant Code: Calculation Method: PM25-PRI - PM2.5 Primary (Filt + Cond) 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** E6BTU - MILLION BTUS 0.0556 Estimated Emissions (Tons): 0.058379999999999 Comment: 0.0556 lbs PM25/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 0.06 tons PM 2.5 PM10-PRI 0.0573 E6BTU 8 - USEPA EF (post-0.060164999999999 control) Calculation Method: Pollutant Code: PM10-PRI - PM10 Primary (Filt + Cond) 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** 0.0573 E6BTU - MILLION BTUS Estimated Emissions (Tons): 0.060164999999999 Comment: 0.0573 lbs PM10/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 0.06 tons PM 10 0.025 E6BTU 8 - USEPA EF (post-0.026249999999999 control) Pollutant Code: Calculation Method: SO2 - Sulfur Dioxide 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** 0.025 E6BTU - MILLION BTUS Estimated Emissions (Tons): 0.026249999999999 Comment: EPA emissions factor is (0.05 \* % sulfur) lbs/MMBtu. Low sulfur diesel is up to 0.5% sulfur 0.05 \* 0.5 = 0.025 lbs/MMBtu 0.025 lbs/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 0.03 tons

## Individual pollutant calculations for Diesel Combustion (SCC 20200402) continued:

▼ NOX 2.7 8 - USEPA EF (post- 2.835 E6BTU control) Pollutant Code: Calculation Method: NOX - Nitrogen Oxides 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** 2.7 E6BTU - MILLION BTUS Estimated Emissions (Tons): 2.835 Comment: 2.7 lbs/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 2.84 tons ▼ VOC 0.2 E6BTU 8 - USEPA EF (post-0.20999999999999 Calculation Method: Pollutant Code: VOC - Volatile Organic Compounds 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** 0.2 E6BTU - MILLION BTUS Estimated Emissions (Tons): 0.20999999999999 Comment: 0.2 lbs/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 0.21 tons 1.16 CO E6BTU 8 - USEPA EF (post-1.218 control) Calculation Method: Pollutant Code: CO - Carbon Monoxide 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** E6BTU - MILLION BTUS 1.16 Estimated Emissions (Tons): 1.218 Comment: 1.16 lbs/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 1.22 tons

### Individual pollutant calculations for Diesel Combustion (SCC 20200402) continued:

0.00445 ▼ Benzene E6BTU 8 - USEPA EF (post-0.0046725 control) Pollutant Code: Calculation Method: 8 - USEPA EF (post-control) 71432 - Benzene Emission Factor (Lbs/Unit): **Emission Factor Unit:** 0.00445 E6BTU - MILLION BTUS Estimated Emissions (Tons): 0.0046725 Comment: 0.00445 lbs/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 0.00 tons benzene 0.0054 E6BTU 8 - USEPA EF (post-0.005669999999999 control) Formaldehyde Pollutant Code: Calculation Method: 50000 - Formaldehyde 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** 0.0054 E6BTU - MILLION BTUS Estimated Emissions (Tons): 0.005669999999999 0.0054 lbs/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 0.01 tons formaldehyde ▼ Toluene 0.00523 E6BTU 8 - USEPA EF (post-0.005491499999999 control) Pollutant Code: Calculation Method: 108883 - Toluene 8 - USEPA EF (post-control) Emission Factor (Lbs/Unit): **Emission Factor Unit:** 0.00523 E6BTU - MILLION BTUS Estimated Emissions (Tons): 0.005491499999999 Comment: 0.00523 lbs/MMBtu \* 2,100 MMBtu \* 1 ton/2,000 lbs = 0.01 tons toluene