DEC BACT and SIP Findings Summary Table for Chena Power Pla	nt
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Pollutant	BACT Emission Limit	BACT Control Device or Operational Limitation	Effective Dates of Control/Limit
Coal-Fired	Boilers - 497 MMBtu/hr (comb	ined)	
NOx	Precursor Demonstration*	No additional control	N/A
SO <sub>2</sub>	0.25% sulfur by weight	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
	0.301 lb/MMBtu (3-hr avg.)	No Additional Controls (periodic source testing)	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021

Pollutant	BACT Emission Limit	BACT Control Device or Operational Limitation	Effective Dates of Control/Limit
Coal Fired I	Boilers - 230 MMBtu/hr (each)	·	
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.045 lb/MMBtu (3-hr avg.)	Full Stream Baghouse	Existing
SO <sub>2</sub>	0.25% sulfur by weight	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
	0.12 lb/MMBtu (3-hr avg.)	Dry Sorbent Injection	Title I Permit App. by June 9, 2020 Effective no later than October 1, 2023
Emergency .	Engines, Generators, and Fire Pum	nps	
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.015 - 1.0 g/hp-hr (3-hr avg.)	Good Combustion Practices and Limited Operation	Existing
SO <sub>2</sub>	15 ppmw sulfur in fuel	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
Fuel Oil Bo	ilers		,
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.012 lb/MMBtu (3-hr avg.)	Good Combustion Practices and Limited Operation	Existing
SO <sub>2</sub>	15 ppmw sulfur in fuel	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
Material Ha	undling Sources (Coal Prep and Ash	h Handling)	
PM <sub>2.5</sub>	0.0025 - 0.02 gr/dscf	Enclosed Emission Points and Good Operating Practices	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021

## DEC BACT and SIP Findings Summary Table for Fort Wainwright

Pollutant	BACT Emission Limit	BACT Control Device or Operational Limitation	Effective Dates of Control/Limit			
EUs 1 and 2	EUs 1 and 2 - Fuel Oil-Fired Simple Cycle Gas Turbines - 268 MMBtu/hr (each)					
NOx	Precursor Demonstration*	No additional control	N/A			
PM <sub>2.5</sub>	0.012 lb/MMBtu (3-hr avg.)	Low Ash Fuel and Good Combustion Practices	Existing			
SO <sub>2</sub>	< 70 tpy Facility Wide ORL	N/A	Title I Permit App. by June 9, 2020 Effective no later than June			
202			9, 2021			
	1,000 ppmw sulfur in fuel	BACM Measure: 18 AAC 50.078	September 1, 2022			
EUs 3 and 4	- Diesel-Fired Emergency Gene	rators 28 MMBtu/hr (each)				
NOx	Precursor Demonstration*	No additional control	N/A			
PM <sub>2.5</sub>	0.32 g/hp-hr	Good Combustion Practices and Limited Operation	Existing			
	< 70 tpy Facility Wide ORL	N/A	Title I Permit App. by June 9, 2020			
$SO_2$			Effective no later than June 9, 2021			
	1,000 ppmw sulfur in fuel	BACM Measure: 18 AAC 50.078	September 1, 2022			
EUs 10 and 1	11 - Diesel-Fired Boilers 1.7 MM	IBtu/hr (each)				
NOx	Precursor Demonstration*	No additional control	N/A			
PM <sub>2.5</sub>	0.012 lb/MMBtu	Good Combustion Practices and 40 C.F.R. 63 Subpart JJJJJJ	Existing			
SO <sub>2</sub>	< 70 tpy Facility Wide ORL	N/A	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021			
	1,000 ppmw sulfur in fuel	BACM Measure: 18 AAC 50.078	September 1, 2022			

## DEC BACT and SIP Findings Summary Table for Zehnder Facility

Pollutant	BACT Emission Limit	BACT Control Device or Operational Limitation	Effective Dates of Control/Limit
EUs 1 and	2 Fuel Oil-Fired Simple Cycle Gas 7	Turbines - 672 MMBtu/hr (each)	
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.012 lb/MMBtu (3-hr avg.)	Low Ash Fuel, Limited Operation, and Good Combustion Practices	Existing
	1,000 ppmw sulfur deliveries fuel on curtailment days	Certified Statement or Approved Analysis of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than
SO <sub>2</sub>	15 ppmw sulfur in fuel October 1 – March 31 (natural gas optional)	Certified Statement or Approved Analysis of Sulfur Content	November 1, 2020 Title I Permit App. by June 9, 2022 Effective no later than October 1, 2023
Combined	Cycle Gas Turbines - 455 MMBtu/h	r (each)	
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.012 lb/MMBtu (3-hr avg.)	Low Ash Fuel, Limited Operation, and Good Combustion Practices	Existing
SO <sub>2</sub>	50 ppmw sulfur in fuel (except during startup) (natural gas optional)	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
Diesel-Fire	d Emergency Generator 400 kW		,
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.32 g/hp-hr (3-hr avg.)	Good Combustion Practices, Positive Crankcase Ventilation, and Limited Operation	Existing
SO <sub>2</sub>	0.05 weight percent sulfur in fuel	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
Propane-F	ired Boilers 5.0 MMBtu/hr (each)		
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.008 lb/MMBtu (3-hr avg.)	Good Combustion Practices and Propane as Fuel	Existing

## DEC BACT and SIP Findings Summary Table for Fairbanks Campus Power Plant

Pollutant	BACT Emission Limit	BACT Control Device or Operational Limitation	Effective Dates of Control/Limit
Dual Fuel	-Fired Boiler – 295.6 MMBtu/hr		
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.012 lb/MMBtu	Fabric Filters (Baghouse)	Existing
$SO_2$	0.25% sulfur by weight	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
	0.2 lb/MMBtu (30-day avg.)	No additional control	Existing
Diesel-Fir	ed Engines		
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.015 - 1.0 g/hp-hr (3-hr avg.)	Positive Crankcase Ventilation, Good Combustion Practices, and Limited Operation	Existing
SO <sub>2</sub>	15 ppmw sulfur in fuel	Certified Statement or Approved Analysis of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than
			June 9, 2021
	4 - Fuel Oil Boilers	NY 1122 1 4 1	NT/A
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	0.012 lb/MMBtu (Diesel 3-hr avg.) 0.0075 lb/MMBtu (N.G. 3-hr avg.)	Good Combustion Practices and Limited Operation	Existing
SO <sub>2</sub>	1,000 ppmw sulfur in fuel (Diesel) 0.60 lb/MMscf (Natural Gas) October 1 – March 31	Certified Statement or Approved Analysis of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than October 1, 2020
	15 ppmw sulfur in fuel (Diesel) 0.60 lb/MMscf (Natural Gas) October 1 – March 31	Certified Statement or Approved Analysis of Sulfur Content	Title I Permit App. by June 9, 2021 Effective no later than October 1, 2023
Pathogeni	c Waste Incinerator (83 lb/hr)		
NOx	Precursor Demonstration*	No additional control	N/A
PM <sub>2.5</sub>	4.67 lb/ton	Limited Operation and Multiple Chamber Design	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
SO <sub>2</sub>	15 ppmw sulfur in liquid fuel	Certified Statement of Sulfur Content	Title I Permit App. by June 9, 2020 Effective no later than June 9, 2021
Material H	Iandling Sources (Coal Prep and Ash	Handling)	5 GHC 7, 2021
1914107 att 110	0.003 - 0.050 gr/dscf	Enclosed Emission Points, fabric filters, and vents	Title I Permit App. by June 9, 2020
PM <sub>2.5</sub>	5.50E-05 lb/ton	Enclosure Emission Points	Effective no later than June 9, 2021