

DEC Proposed Determination Best Available Control Technology (BACT) Summary Highlight

Please review the official full discussion of BACT and the Determinations within Section III.D.7 of the Serious State Implementation Plan (SIP) to ensure a full understanding of the Determination for each facility and proposals for future consideration.

Highlights of BACT Controls by Pollutant					
Pollutant	Aurora	Fort Wainwright	GVEA North Pole	GVEA Zehnder	UAF
Fine Particulate Matter (PM.25) – Direct	Existing No new control	Existing No new control	Existing No new control	Existing No new control	Existing No new control
Volatile Organic Compounds (VOC)s	Existing No new control	Existing No new control	Existing No new control	Existing No new control	Existing No new control
Nitrogen Oxides (NOx)	No control Precursor Determination	No control Precursor Determination	No control Precursor Determination	No control Precursor Determination	No control Precursor Determination
Ammonia (NH3)	No controls available	No controls available	No controls available	No controls available	No controls available
Sulfur Dioxide (SO2)	Economically infeasible Use low sulfur coal 0.2% S by weight by 2021	NEPA process to determine either SO2 control on existing facility or replace facility Use low sulfur coal 0.2% S by weight by 2021	<u>Short-term:</u> fuel switch to Diesel #1 during curtailments <u>Long-term:</u> ULSD or Natural Gas once decision on utilization of Healy 1 & Healy 2 finalized around 2022.	Owner requested limit to lower emissions below BACT threshold	Economically infeasible, fuel switch to ULSD on emergency generators Use low sulfur coal 0.2% S by weight by 2021