

ADEC AERMET Data Summary

July 2001 – June 2002 KRU DS1F
April 2002 – March 2005 Nuiqsut
January – December 2013 Nuiqsut

Issue/Revision Date: August 17, 2015

The Alaska Department of Environmental Conservation (ADEC) is providing the following AERMOD-ready meteorological data files for general use. Applicants who use these files should state that they obtained them from ADEC's web-site. Applicants will still need to demonstrate that the data are representative of the transport conditions at their stationary source, but they will not need to provide quality assurance information or the supporting AERMET files.

Data Set: **Nuiqsut and Kuparuk Drill Site 1F (DS1F)**

Data Period: **As stated in title**

General Location: **Alaska North Slope – Nuiqsut and Kuparuk River Unit (KRU)**

Data Collected By: **ConocoPhillips Alaska, Inc. (CPAI)**

Data Processed By: **CPAI**

AERMET Version: **15181**

Anemometer Height (m): **10**

Base Elevation (m): **17 (Nuiqsut); 20 (DS1F)**

Upper Air Station (Name/WBAN #): **Barrow (27502)**

Permit Record with Documentation: **Alpine Power Expansion Project Modeling Protocol (August 10, 2015)**

Comments: *The Department determined that either Nuiqsut or KRU DS1F meteorological data could be used to represent the surface meteorological conditions within Alpine and KRU. This data set includes four years of Nuiqsut data, and one year of DS1F data, that meet the quality assurance requirements of the Prevention of Significant Deterioration (PSD) program. Note: the Department generally allows North Slope applicants to use 10-meter surface data for representing the transport conditions in the ground to 50-meter range. Applicants with exhaust stacks that exceed 50-meters in height need to demonstrate that 10-meter data is still representative, or obtain stack-top meteorological data.*

Revision Notes:

- *None*