Minor Source Modeling Protocol Form #

Purpose of Form

This form has been developed to identify the main components of a dispersion modeling analysis protocol for minor sources. This form includes the site and emissions data provided by the source. The DAQ is providing preferred meteorological data and background data for use in the modeling analysis. A written modeling protocol is sometimes preferred in cases where complicated modeling methods and options are used and need agency approval. Written protocols may be submitted instead of this form, if desired. An example of a written modeling protocol can be viewed <u>at http://www.airquality.utah.gov/example_protocal</u>.

Sources that trigger PSD requirements should include this form, but also need to include additional modeling protocols for the far field (Class I increment and AQRV) analyses. Copies of the far field modeling protocol are forwarded to all Federal Land Managers for their comments prior to performing any modeling. The Utah Modeling Guideline contains more information on the far field modeling requirements:

http://www.airquality.utah.gov/Planning/Modeling/NSR_Permit_Modeling/Modeling-Guidelines-PDF/UMG2008_121708_final.pdf.

Disclaimer

Approval of this protocol does not guarantee that additional modeling analysis will not be necessary. Changes in emission characteristics, changes in federal standards, or the identification of previously unidentified site characteristics can result in additional modeling analysis.

General Information

Company Name:	
Company Contact info:	
Modeling Contact info:	
Date:	
Source Location (UTM Zone 12):	UTME(m)
Datum: (circle one) NAD-27/NA	D-83
Source Classification: PSD M	ajor: Minor
Proposed Project Description:	

Criteria Pollutants

List current plant-wide allowable/PTE level and the proposed change in emission

NOx ____/ PM10 ____/ PM2.5 ____/

SO2 _____ VOCs ____ CO ____

Summary of Analyses required as part of a Complete NOI (check applicable boxes)					
	Pollutant				
Modeling Analysis Type	NOx	PM10	PM2.5	SO2	CO
Preconstruction Monitoring					
NAAQS					
PSD Class II Increment					na
PSD Class I Increment					
PSD Deposition					
PSD Visibility (Haze)					
PSD Visibility (Plume Blight)					

Near field Dispersion Model and Version Date:

Use of PVMRM (Yes/No) or OLM (Yes/No): In stack NO2/NOx ratio=0.5 (default), or _____ (please provide vendor data or stack test data if applicant wants to use a non-default value).

Are there any EPA non-default model options used (Yes/No) :
If Yes, then list all non-guideline model options that need approval:

Meteorological Data

AERMOD with AERMET							
Surfac	e Monitor Locatior	1:	Upper Air Data:				
Period Covered://20 to//20							
Background Concentrations for Modeling Domain (in ug/m3)							
NO2	1-Hour	Annual	Monitor Location				
SO2	1-Hour 24-Hour	3-Hour Annual	Monitor Location				
PM10	24-Hour		Monitor Location				
PM2.5	- 24-Hour	Annual	Monitor Location				
СО	1-Hour	8-Hour	Monitor Location				
03	1-Hour (98%)		Monitor Location				