

Air Quality Modeling Form (Optional)

Attach this form to the corresponding APEN form for the emission unit. Fill out a separate form for each stack or unit. More than one form may be attached if necessary. It applies to sources emitting particulates, carbon monoxide, lead, sulfur dioxide, and nitrogen oxides. Volatile Organic Compound (VOC) sources may disregard this form.

Colorado Dept. of Public Health & Environment
Air Pollution Control Division, APCD-SS-B1
4300 Cherry Creek Dr. S.
Denver, CO, 80246-1530

Firm Name:	Plant Name:
Contact Name:	Phone:
Signature:	E-mail:
Permit Number:	AIRS ID:

Note: The AIRS ID must match the AIRS ID shown on the APEN. The Permit Number and AIRS ID fields will be filled out by the Division if they are left blank by the applicant.

- Check the box under the description that most accurately describes the type discharge:
 - Stack:** Rain cap; Direction of exhaust: up; down; sideways; other (describe: _____)
 - Flare:** Heat release rate: _____ calories/second (attach supporting data and calculations)
 - Vent**
 - Fugitive** (describe: _____)

- Operating Schedule (see section A of APEN):
 - Daily starting and ending hours (e.g., 7am to 5 pm): _____
 - Days of the week (e.g., Monday – Friday): _____

3. Enter geographic data for the source. The “plant ID number for stack on APEN” must match the “stack ID” on the APEN. Portable sources may skip this part.

Table 1. Geographic location data for the stacks/units listed in APEN (provide coordinates in at least one of the coordinate systems).

Plant ID No. for Stack on APEN	Latitude (Degrees)	Longitude (Degrees)	UTM Zone (12 or 13)	UTM Northing (vertical) (meters)	UTM Easting (horizontal) (meters)	Horizontal Datum (e.g., NAD27, NAD83, WGS84)	Stack Base Elevation (meters)

Notes: For POINT, FLARE, and VOLUME sources, the coordinate is for the center of the source. For AREA sources, it is for the southwest corner of the AREA source.

Describe the method used to determine the coordinates in Table 1 (e.g., GPS, geocoding, digitized from USGS 7.5 min topo, site survey) :

4. Enter dimensions for nearby^a buildings and structures (Table 2 is continued on the next page).

Table 2. On-Site Building/Structure Data. This table may be skipped if the emissions are fugitive (e.g., not from a stack).

Building/Structure Name or Description	Building				Distance from Stack to Nearest Building Edge (feet)
	Height (feet)	Width (feet)	Length (feet)	Radius (feet), if applicable	

^a As used here, “nearby” includes structures within a distance of five times the lesser of the height or width of the structure, but not greater than 0.8 km (0.5 miles).

