

EMISSION
YEAR
20__

HARP / CEIDARS
LOCATION OF EMISSION SOURCES
COMPANY NO. [][][][] FACILITY NO. [][][][][]

FORM
LOC-ES

The grid coordinates can be expressed in either the Universal Transverse Mercator (UTM) Coordinates (see reverse side) to within at least 25 meters or Longitude and Latitude to within at least 0.00025 degrees (1 second). Grid coordinates can be obtained from a topographic map or by using one of methods shown in Appendix "G".

FACILITY NAME: _____

| PERMIT NO. | NAME OF DEVICE/PROCESS | COORDINATES * | | | | |
|------------|------------------------|---------------|--------|------|------|-------|
| | | SYS* | METH * | ZONE | EAST | NORTH |
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* SYS = System used to report coordinates
UTM83 = Universal Transverse Metcator NAD 83
UTM27 = Universal Transverse Metcator NAD 27
TA = Teale Albers NAD 83
L/L = Longitude and Latitude
OTH = Other, specify system

* METH = Method used to determine coordinates
GPS = Global Positioning System
TOPO = Interpolation from topographic map
PHO = Interpolation from aerial photograph
PER = District Permits
OTH = Other, specify method

Universal Transverse Mercator (UTM)

The National Imagery and Mapping Agency (NIMA) (formerly the Defense Mapping Agency) adopted a special grid for military use throughout the world called the Universal Transverse Mercator (UTM) grid. In this grid, the world is divided into 60 north-south zones, each covering a strip 6° wide in longitude. These zones are numbered consecutively beginning with Zone 1, between 180° and 174° west longitude, and progressing eastward to Zone 60, between 174° and 180° east longitude. Thus, the contiguous 48 States are covered by 10 zones, from Zone 10 on the west coast through Zone 19 in New England. In each zone, coordinates are measured north and east in meters. (One meter equals 39.37 inches, or slightly more than 1 yard.) The northing values are measured continuously from zero at the Equator, in a northerly direction. Southerly values are similarly measured from the Equator, south. A central meridian through the middle of each 6° zone is assigned an easting value of 500,000 meters. Grid values to the west of this central meridian are less than 500,000 and to the east, are more than 500,000.

Virtually all NIMA-produced topographic maps and many aeronautical charts show the UTM grid lines.

For more detail go to the following websites:

<http://maps.google.com/>

<http://earth.google.com> (free Version)