Commonwealth of Kentucky
Natural Resources & Environmental Protection Cabinet
Department for Environmental Protection

DIVISION FOR AIR QUALITY

DEP7007Y
Good Engineering Practice (GEP) Stack Height Determination

Complete only for stacks 65m or taller

EMISSIONS UNIT # _____
EMISSIONS POINT # _____

EXHAUST POINT INFORMATION		
1) Flow diagram designation of exhaust point		
2) Description of exhaust point (stack, vent, roof monitor, indoors, etc.). If the exhaust point discharges indoors, complete items 3 through 11 for the building exhaust nearest to the process operations emission unit.		
3) Distance to nearest plant boundary from exhaust point discharge (ft):		
4) Discharge height above grade (ft):		
5) Good engineering practice (GEP) height, if known (ft):		
6) Diameter (or equivalent diameter) of exhaust point (ft):		
7) Exit gas flow rate:	a) Maximum (ACFM):	b) Minimum (ACFM):
8) Exit gas temperature:	a) @ maximum flow rate (°F):	b) @ minimum flow rate (°F):
9) Direction of exhaust (vertical, lateral, downward):		
10a) Latitude:	b) Longitude	
11a) UTM zone:	b) UTM vertical (KM):	c) UTM Horizontal (KM):

NOTE: For a square or rectangular vent, the equivalent diameter is 1.128 times the square root of the stack's area

BUILDING DIMENSION INFORMATION			
12) Dimensions of building on which exhaust point is located	a) Length (ft)	b) Width (ft)	c) Height (ft)
13) Distance to nearest building (ft):			
14) Dimension of this nearest building	a) Length (ft):	b) Width (ft):	c) Height (ft):

15) List all emission units and control devices serviced by this exhaust point.

Name	Flow Diagram Designation
a)	
b)	
c)	
d)	
e)	
f)	
g)	
h)	
i)	