

FORM HRA100

HEALTH RISK ASSESSMENT INFORMATION

PURPOSE: The purpose of this form is to gather the basic information needed to run an air dispersion model and perform a health risk assessment for a simple emissions unit. Additional information may be needed depending on type of process and potential risk to the public.

STACK/VENT EMISSIONS: Complete this section if pollutants are being released to the atmosphere via a stack or vent (e.g. roof vent).

Stack Height: _____ ft. above ground

Stack Inner Diameter: _____ in.

Exhaust Gas Flow Rate: _____ acfm

Exhaust Gas Temperature _____ degrees F.

FUGITIVE EMISSIONS: Complete this section if pollutants are being released to the atmosphere without the benefit of a stack or vent (e.g. emissions from windows, eaves and doors, ponds, open tanks, and wind blown emissions from piles and fields).

Source Base Elevation: _____ ft. above ground

Source Height: _____ ft. above ground

Source Width (East/West Dimension): _____ feet

Source Length (North/South Dimension): _____ feet

DRAWINGS REQUIRED: Drawings should be submitted on 8-1/2" X 11" sheets or larger. Drawings must clearly show the required information but do not need to be professionally drawn. All drawings should be drawn with north facing up and to scale.

Nearby Buildings:

Submit a drawing showing all buildings affecting the exhaust stack or point of release. The area of influence for a building is defined as the area within 5 times the lesser of the height or width of a building. For each building, the drawing must show length, width, and height of the building, and distance to exhaust stack or point of release.

Property Line:

Submit a drawing showing the exhaust stack in relation to the property line. The drawing must be drawn to scale, with north facing up, and must show the entire property.

Receptors:

Submit a drawing showing residential and commercial buildings surrounding the property. Indicate the distance from the stack/point of release to the residential/commercial buildings.