

Please provide an accurate plan showing the location of the site, existing works or works to be constructed, property boundaries and neighbouring properties.

Part A: General

1. Process Details

- (a) Please supply a detailed flow chart and description of the process that results in either a discharge to the atmosphere, or could potentially result in a discharge to air.

2. Discharge Details

- (a) Describe the contaminant discharged and quantities: _____

- (b) Has there been carried out, or do you have access to, any discharge, monitoring, or monitoring of impacts of the discharges? Yes No
-

(If yes, please supply a copy of the information obtained.)

- (c) Has any meteorological data relevant to the site been obtained? Yes No
-

(If yes, please give details and, if possible, a copy/summary of the information obtained.)

- (d) Describe the type of land use surrounding the site (eg. north, residential – closest 500m; south, industrial, etc): _____

- (e) What alternative methods of disposal or discharge have you considered?
- (f) How is the equipment controlling the discharge operated and maintained to prevent equipment failure, and what measures are implemented to ensure that the effects of any malfunction are remedied?
- (g) What, if any, monitoring do you carry out to ensure that the discharge does not have an adverse effect?
- (h) Please provide the following discharge information relevant to your process.
(See overleaf)

Air Discharge Permit Information

Combustion Processes (metric units should be used)

- Type of fuel, sulphur content, amount used.
- Describe combustion processes and details of boiler or heat unit.
- Maximum heat release rate (kilowatts, megawatts).
- Concentration of contaminants in discharge (mg/m³).
- Height of discharge point (chimney(s)).
- Height of building the chimney is attached to.
- Describe fitting on top of chimney(s), cone, rain excluded, Chinaman's hat).
- Frequency of discharge (hours of operation).
- Describe air pollution control equipment.
- Velocity of flue gas (m/s).
- Monitoring system (for checking and recording discharge).
- Location of discharge points in relation to factory and boundaries.
- Condition of boiler or heat unit, chimney and details of last service.
- Insulation of chimney.

Quarries

- Describe quarrying process.
- Type of rock being mined.
- Open cast extraction capacity (tonnes/hour).
- Size reduction and screening capacity (tonnes/hour).
- Storage capacity (tonnes/hour).
- Dust control measures.
- Monitoring systems (for checking and recording dust emissions).
- Frequency of discharge (i.e., hours of operation).
- Quarry management plan.

Wood Processing Industries

- Describe the process.
- Describe air pollution control equipment (including height of discharge point(s), exhaust flow and velocity).
- Monitoring system (for checking and recording discharge(s)).
- Particulate emission test (to determine dust concentration and mass emission levels discharged from the vent, measured over three runs, with all wood sanding equipment working at the same time).
- Frequency of discharge (i.e., hours of operation).
- Location of discharge points in relation to the premises and neighbouring premises.

Chemical Manufacturing Blending Processes/Electroplating

- Describe the process.
- Describe air pollution control equipment including fan flow rates.
- Monitoring system (for checking and recording discharge).
- Frequency of discharge (i.e., hours of operation).
- Distance of discharge points from neighbouring premises.
- Raw material capacity of operation? or product rate.
- Height of discharge points.

Air Discharge Permit Information (continued)

Abrasive Blasting

- Describe the process and details of blasting chamber, blasting media used.
- Describe air pollution control equipment and height of discharge points, velocity of gases, fitting on top of vent(s).
- Particulate emission tests (to determine dust concentration and mass emission levels discharged from the vent, measured over three runs).
- Monitoring system (for checking and recording discharge).
- Frequency of discharge (i.e., hours of operation).
- Distance of discharge points from neighbouring premises.

Wool Scourers and Tanneries

- Describe the process.
- Describe air pollution control equipment and height of discharge point(s), fitting on top of vent(s).
- Monitoring system (for checking and recording discharge).
- Describe raw material capacity of operation.
- Frequency of discharge (i.e., hours of operation).
- Distance of discharge points from neighbouring premises.

Spray Painting Process

- Describe the process and details of spray painting booth.
- Describe air pollution control equipment and height of discharge point(s), velocity of gases, fitting on top of vent(s).
- Describe paints and solvents used (provide MSDS where available).
- Paint and solvent usage rates.
- Distance of discharge points from neighbouring premises.

Concrete Manufacturing Plants

- Describe the process.
- Give details of raw material capacity (tonnes/hour).
- Dust control measures.
- Hours of operation.
- Monitoring system (for checking and recording dust).

Foundries

- Describe the process, raw materials used, products made and equipment used.
- Give details of raw material capacity (tonnes/hour) and tonnes/hour product made.
- Hours of operation.
- Describe air pollution control equipment and height of discharge point(s), velocity of gases, fitting on top of vent(s).
- Monitoring system for discharges.

Air Discharge Permit Information (continued)

Rendering Process

- Describe the rendering process (high/low temperature, drying, etc.).
- Describe combustion process (if applicable, i.e., type of combustion process, fuel used, fuel combustion rate, contaminants released to air, exit velocity, concentration).
- Describe air pollution control equipment.
- Height and number of discharge point(s) and any fitting on top of vent(s).
- Hours of operation.
- Distance of discharge points from neighbouring premises.

Asphalt Production

- Describe the process, including dust control equipment.
- Give details of raw material capacity (tonnes/hour).
- Hours of operation.
- Monitoring systems.

Coffee Roasting Processes/Vegetable Frying Processes

- Describe roasting process (roast or frying cycle, maximum raw material capacity (kg/hr)).
- Describe combustion process (if applicable, i.e., type of combustion processes, fuel used, fuel combustion rate).
- Describe air pollution control equipment.
- Height and number of discharge point(s) describe fitting on top of vent(s).
- Hours of operation.
- Monitoring system (for checking and recording discharge).
- Distance of discharge points from neighbouring premises.

Other Processes

- Describe the process.
- Describe air pollution control equipment.
- Hours of operation.
- Monitoring systems, for recording discharges.

