

(For Office Use Only)

Consent No.: _____

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: _____

See attached AEE for full details

- (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.) See attached AEE for full details

- (c) Has any meteorological data relevant to the site been obtained? Yes No
 See attached AEE for full details

(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): _____

See attached AEE for full details

- (e) What alternative methods of disposal or discharge have you considered?

See attached AEE for assessment

- (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? See attached AEE for full details

- (g) What, if any, monitoring do you carry out to ensure that the discharge does not have an adverse effect? See attached AEE for full details

- (h) Please provide the following discharge information relevant to your process.

(See overleaf)

See attached AEE for full details

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/m^3).
- 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.

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.

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.

Part B: Assessment of Effects on the Environment

Where your activity could have an effect on the environment an assessment of environmental effects is required in accordance with the Fourth Schedule of the Resource Management Act 1991.

1. Comment on all possible effects the discharge may have on the quality of the receiving air, persons living in the area and local plant and animal life:

See attached AEE for assessment

(Continue on a separate sheet if necessary)

- | 2. In the vicinity of the discharge are there any: | Yes | No |
|---------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| (a) Residential developments? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (b) Production land (eg., crops, dairy farming)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| (c) Recreational activities carried out (eg sports grounds, parks etc)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (d) Sources of similar or other discharges to air? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (e) Areas of particular aesthetic or scientific value (e.g., scenic views etc)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (f) Areas or aspects of significance to Iwi? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (g) Commercial activities (eg. office blocks)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

If you have answered yes to any of the above, describe what effects your discharge may have and the steps you propose to mitigate these:

See attached AEE for full details

(Continue on a separate sheet if necessary)