

## **Discharges from industrial or trade premises or industrial or trade processes (excluding waste management processes)<sup>23</sup>**

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<sup>23</sup> **Note:** Rules 1 to 7 provide for discharges to air whether on industrial or trade premises or on production land.



## Discharges of Products of Combustion – Specified Fuel Types

For information requirements refer to Section 5

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of contaminants to air from equipment burning natural gas or liquefied petroleum gas as a fuel for any purpose, except for direct heating, whether on industrial or trade premises or on production land	1 Small-scale combustion of natural gas or liquefied petroleum gas	a) The maximum rate of heat release from within the combustion process does not exceed 1 MW per combustion chamber b) Discharge is free of visible smoke	Permitted			
Discharges of contaminants to air from equipment burning natural gas or liquefied petroleum gas as a fuel for any purpose, excluding direct heating, whether on industrial or trade premises or on production land, where;  the discharge does not satisfy condition (b) of Rule 1	2 Small-scale combustion of natural gas or liquefied petroleum gas producing visible smoke	a) The maximum rate of heat release from within the combustion process does not exceed 1 MW per combustion chamber	Controlled		a) Duration of consent b) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, on or relating to mass discharge rates c) Best practicable option to prevent or minimise off site environmental effects d) Visual effects, loss of amenity value of air, chronic or acute human or animal health effects, effects on areas identified in Policy 2.3, energy efficiency and ecological effects e) Monitoring and reporting requirements f) Review of the conditions of consent and the timing or purpose of the review g) Payment of administrative charges h) Payment of financial contributions	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3
Discharges of contaminants to air from equipment burning natural gas or liquefied petroleum gas as a fuel for any purpose, excluding direct heating, whether on industrial or trade premises or on production land	3 Mid-scale combustion of natural gas or liquefied petroleum gas	a) The maximum rate of heat release from within each or any combustion process exceeds 1 MW but is less than 10 MW per combustion chamber and less than 30 MW per premises (all combustion equipment) b) Discharge is free of visible smoke c) Discharge must not be noxious, dangerous, offensive or objectionable, at or beyond the boundary of the premises and on such parts of the electricity transmission network that lie within the boundary of the premises d) Discharge stack height complies with Part II of Appendix VIII, 'Determination of Chimney Heights', contained in this Plan e) Burner optimisation must be regularly maintained by a competent service person f) Discharger must adopt the best practicable option to minimise off site effects g) Minimum vertical efflux velocity of 5 m s <sup>-1</sup>	Permitted			

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
		h) The discharge shall not cause air to move at a velocity greater than 4.3 metres per second through: (i) any aerodrome protection surface				
Discharges of contaminants to air from equipment burning natural gas or liquefied petroleum gas as a fuel for any purpose, excluding direct heating, whether on industrial or trade premises or on production land, where;  the discharge does not satisfy one or more of conditions (b) to (g) of Rule 3	4 Mid-scale combustion of natural gas or liquefied petroleum gas producing visible smoke	a) The maximum rate of heat release from within the combustion process exceeds 1 MW but is less than 10 MW per combustion unit and less than 30 MW per premises (all combustion equipment)	Controlled		a) Duration of consent b) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates c) Best practicable option to prevent or minimise off site environmental effects d) Visual effects, loss of amenity value of air, chronic or acute human or animal health effects, soiling or damage to property, effects on areas identified in Policy 2.3, energy and ecological effects e) Monitoring and reporting requirements f) Review of the conditions of consent and the timing and purpose of the review g) Payment of administrative charges h) Payment of financial contributions	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3
Discharges of contaminants to air from equipment burning wood (including sawdust), diesel, kerosene, petroleum, coke, coal, charcoal, oil or non-chlorinated alcohols as a fuel for any purpose, excluding direct heating, whether on industrial or trade premises or on production land <sup>24</sup>	5 Small-scale combustion of specified fuels not covered by Rules 1 and 2	a) The maximum rate of heat release from within the combustion process does not exceed 400 kW per combustion chamber b) Discharge must not be noxious, dangerous, offensive or objectionable at or beyond the boundary of the property and on such parts of the electricity transmission network that lie within the boundary of the premises c) Discharge stack height complies with Part II of Appendix VIII, 'Determination of Chimney Heights', contained in this Plan d) Total dust and smoke discharge concentration is less than 250 mg/m <sup>3</sup> (NTP) e) Discharger must adopt the best practicable option to minimise off site effects f) No wood or sawdust which has been treated with arsenic or organochlorines is to be combusted g) No untreated used oil is to be combusted h) No trade wastes or refuse is to be combusted	Permitted			
Discharges of contaminants to air from any industrial or trade	6	a) The maximum rate of heat release from within the combustion process exceeds 400 kW but	Permitted			

<sup>24</sup> If one or more of the conditions (f) to (h) cannot be met, Rule 55 applies.

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
premises involving equipment burning wood (including sawdust), diesel, kerosene, petroleum, coke, coal, charcoal, oil or non-chlorinated alcohols as a fuel for any purpose, excluding direct heating, whether on industrial or trade premises or on production land <sup>25</sup>	Mid-scale combustion of specified fuels not covered by Rules 3 and 4	<p>does not exceed 5 MW per combustion chamber or 10 MW per premises (all combustion equipment)</p> <p>b) Discharge must not be noxious, dangerous, offensive or objectionable at or beyond the boundary of the property and on such parts of the electricity transmission network that lie within the boundary of the premises</p> <p>c) Discharge stack height complies with Part II of Appendix VIII, 'Determination of Chimney Heights', contained in this Plan</p> <p>d) Total dust and smoke discharge concentration is less than 125 mg/m<sup>3</sup> (NTP)</p> <p>e) Burner optimisation must be checked by a competent service person on a six-monthly basis</p> <p>f) Discharger must adopt the best practicable option to minimise emissions</p> <p>g) Minimum vertical efflux velocity of 5 ms<sup>-1</sup></p> <p>h) No wood or sawdust which has been treated with arsenic or organochlorines is to be combusted</p> <p>i) No untreated used oil is to be combusted</p> <p>j) No trade wastes or refuse is to be combusted</p> <p>k) The discharge shall not cause air to move at velocity greater than 4.3 metres per second through:</p> <p>(i) any aerodrome protection surface</p>				
Discharges of contaminants to air from any industrial or trade premises involving equipment burning wood (including sawdust), diesel, kerosene, petroleum, coke, coal, charcoal, oil or non-chlorinated alcohols as a fuel for any purpose, excluding direct heating, whether on industrial or trade premises or on production land, where:  the discharge does not satisfy one or more of the conditions (b) to (e)	7 Combustion of specified fuels where the combustion process does not meet conditions (b) to (e) of Rule 5 and (b) to (g) of Rule 6	a) The maximum rate of heat release from within the combustion process does not exceed 5 MW per combustion chamber or 10 MW per premises (all combustion equipment)	Controlled		<p>a) Duration of consent</p> <p>b) Stack height and efflux velocity</p> <p>c) Maximum dust concentration or mass discharge</p> <p>d) Maximum rate of heat release</p> <p>e) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</p> <p>f) Best practicable option to prevent or minimise off site environmental effects</p> <p>g) Visual effects, loss of amenity value of air, chronic or acute human or animal health effects, soiling or damage to property, effects on areas identified in</p>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

<sup>25</sup> If one or more of conditions (h) to (j) cannot be met, Rule 55 applies.

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
of Rule 5 or one or more of conditions (b) to (g) of Rule 6 <sup>26</sup>					Policy 2.3, odour, energy efficiency and ecological effects h) Monitoring and reporting requirements i) Review of the conditions of consent and the timing and purpose of the review j) Payment of administrative charges k) Payment of financial contributions	

### Discharges from the Combustion of Materials Containing Metal

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of contaminants to air from the combustion of coated or covered metal cable, motor vehicles or parts of motor vehicles, or any other mixture or combinations of metals and combustible substances, (other than as a result of welding activities <sup>27</sup> or fire training activities) <sup>28</sup> where the activity does not occur in an incinerator or furnace	8 Combustion of materials containing metals (whether ferrous or non ferrous)		Prohibited			

### Discharges from Hydrocarbon Well Sites or Gas Treatment and Production Plants

For information requirements refer to section 5

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of contaminants to air from hydrocarbon exploration well sites, including combustion involving flaring or incineration of petroleum recovered from natural	9 Hydrocarbon exploration well sites	a) Flare or incinerator point is at least 300 metres from any dwelling house b) The discharge to air from the flare must not last longer than 15 days cumulatively, inclusive of testing, clean-up, and completion	Controlled		a) Duration of consent b) Duration of flaring or other emissions c) The material to be flared	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

<sup>26</sup> If one or more of conditions (f) to (h) of Rule 5 or one or more of conditions (h) to (j) of Rule 6 cannot be met, Rule 55 applies.

<sup>27</sup> Rule 13 applies to welding activities.

<sup>28</sup> Rules 62 and 63 apply to fire training activities.

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
deposits, in association with well development or redevelopment and testing or enhancement of well head production flows		<p>stages of well development or work-over, per zone to be appraised</p> <p>c) No material to be flared or incinerated, other than those derived from or entrained in the well stream</p>			<p>d) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</p> <p>e) Best practicable option to prevent or minimise any adverse effects on the environment</p> <p>f) Location of any facilities or equipment for hydrocarbon flaring in relation to surrounding land uses</p> <p>g) Separation of natural gas from liquid hydrocarbons and water</p> <p>h) Notification of flaring to neighbours, affected parties, and the Council</p> <p>i) Recording of flare usages and smoke emissions</p> <p>j) Oil recovery requirements</p> <p>k) Visual effects, loss of amenity value of air, chronic or acute human health effects, soiling or damage to property, odour, annoyance and offensiveness, effects on ecosystems, plants and animals and effects on areas identified in Policy 2.3</p> <p>l) Monitoring and information</p> <p>m) Contingency measures and investigations, remediation and response procedures for non-routine discharge events and complaints</p> <p>n) Review of the conditions of consent and the timing and purpose of the review</p> <p>o) Payment of administrative charges</p> <p>p) Payment of financial contributions</p>	
Discharges of contaminants to air from hydrocarbon exploration well sites, including combustion involving flaring or incineration of petroleum recovered from natural deposits, in association with well development or redevelopment and testing or enhancement of well head production flows, that do not meet one or more of the conditions (a) to (b) of Rule 9	10 Hydrocarbon exploration well sites that do not comply with Rule 9	a) No material to be flared or incinerated, other than those derived from or entrained in the well stream	Restricted Discretionary	<p>Applications will be publicly notified unless the Taranaki Regional Council is satisfied that the adverse effects of the activity on the environment will not be more than minor</p> <p>If the Taranaki Regional Council is satisfied that the adverse effects of the activity will not be more than minor, the Council will serve notice of applications on the owners and the occupiers of any dwellinghouse located</p>	<p>a) Duration of consent</p> <p>b) Duration of flaring or other emissions</p> <p>c) The material to be flared</p> <p>d) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</p> <p>e) Best practicable option to prevent or minimise any adverse effects on the environment</p> <p>f) Location of any facilities or equipment for hydrocarbon flaring in relation to surrounding land uses</p> <p>g) Separation of natural gas from liquid hydrocarbons and water</p> <p>h) Notification of flaring to neighbours, affected parties, and the Council</p>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
				<p>within 300 metres of the flare or incinerator point at the time this Plan became operative or the time the activity was first established<sup>29</sup>, whichever was the earlier, who have not otherwise given written approval for the activity.</p> <p>For the avoidance of doubt, a written approval given by an owner or occupier when an activity was first established shall remain applicable to, and be deemed to also be written approval for, the re-consenting of that activity, if the following conditions are met:</p> <p>(a) a new consent is being applied for to replace or renew an existing consent; and</p> <p>(b) the nature, scale and extent of the activity and its effects (other than duration of flaring) are the same as or less than that authorised by the existing consent being replaced or renewed; and</p> <p>(c) the approval states that it is given irrespective of the duration of the flaring activity.</p>	<p>i) Recording of flare usages and smoke emissions</p> <p>j) Oil recovery requirements</p> <p>k) Visual effects, loss of amenity value of air, chronic or acute human health effects, soiling or damage to property, odour, annoyance and offensiveness, effects on ecosystems, plants and animals and effects on areas identified in Policy 2.3</p> <p>l) Monitoring and information</p> <p>m) Contingency measures and investigations, remediation and response procedures for non-routine discharge events and complaints</p> <p>n) Review of the conditions of consent and the timing and purpose of the review</p> <p>o) Payment of administrative charges</p> <p>p) Payment of financial contributions</p>	
Discharges of contaminants to air from gas treatment or production plants <sup>30</sup>	11 All discharges from gas treatment or production plants	a) Flare or incinerator point is a distance equal to or greater than 300 metres from any dwelling house	Controlled		<p>a) Duration of consent</p> <p>b) Duration of flaring or other emissions</p> <p>c) The material to be flared</p> <p>d) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</p> <p>e) Best practicable option to prevent or minimise any adverse effects on the environment</p>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

<sup>29</sup> 'Activity first established' means the date an air discharge consent was first issued by the Taranaki Regional Council for the activity.

<sup>30</sup> Excludes any activities associated with plant establishment, such as earthworks and the installation of structures, buildings and equipment.



Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
					<ul style="list-style-type: none"> <li>f) Location of any facilities or equipment discharging to air in relation to surrounding land uses</li> <li>g) Separation of natural gas from liquid hydrocarbons and water</li> <li>h) Recording of flare usage, site fuel gas usage and smoke emissions</li> <li>i) Visual effects, loss of amenity value of air, chronic or acute human health effects, soiling or damage to property, odour, annoyance and offensiveness, effects on ecosystems, plants and animals and effects on areas identified in Policy 2.3, and energy and on-site gas use efficiency and gas loss management investigations and reporting on implementation</li> <li>j) Monitoring and information</li> <li>k) Liaison with neighbours, affected parties and the Council</li> <li>l) Notification of flaring to neighbours, affected parties, and the Council</li> <li>m) Contingency measures and investigations, remediation and response procedures for non-routine discharge events and complaints</li> <li>n) Review of the conditions of consent and the timing and purpose of the review</li> <li>o) Payment of administrative charges</li> <li>p) Payment of financial contributions</li> </ul>	
Discharges of contaminants to air from hydrocarbon producing well head or well sites arising as part of hydrocarbon production activities	12 Hydrocarbon producing well head or well sites		Restricted Discretionary		<ul style="list-style-type: none"> <li>a) Duration of consent</li> <li>b) Duration of flaring or other emissions</li> <li>c) The material to be flared</li> <li>d) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</li> <li>e) Best practicable option to prevent or minimise any adverse effects on the environment</li> <li>f) Location of any facilities or equipment for hydrocarbon flaring in relation to surrounding land uses</li> <li>g) Separation of natural gas from liquid hydrocarbons and water</li> <li>h) Notification of flaring to neighbours, affected parties, and the Council</li> <li>i) Recording of flare usages and smoke emissions</li> </ul>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
					j) Oil recovery requirements k) Visual effects, loss of amenity value of air, chronic or acute human health effects, soiling or damage to property, odour, annoyance and offensiveness, effects on ecosystems, plants and animals and effects on areas identified in Policy 2.3, and energy and on-site gas use efficiency investigations and reporting l) Contingency measures and investigations, remediation and response procedures for non-routine discharge events and complaints m) Monitoring and information n) Liaison with neighbours, affected parties, and the Council o) Review of the conditions of consent and the timing and purpose of the review p) Payment of administrative charges q) Payment of financial contributions	

## Discharge of Contaminants Incidental to Trade Processes

For information requirements refer to section 5

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of contaminants to air from: premises for the retail distribution of motor fuels, OR  Premises for the manufacture or preparation or cooking of food or beverages for human consumption but excluding - - the extraction, distillation, or purification of animal or vegetable oil or fat other than as a process incidental to the cooking of food, - any process for the rendering or reduction or drying of animal, fish or bird matter (including feathers, blood, bone, skin or offal),	13 Minor discharges from commercial, retail, industrial or trade premises	For all activities: a) Discharge must not result in offensive or objectionable odour or dust at or beyond the boundary of the property and on such parts of the electricity transmission network that lie within the boundary of the premises b) Discharge must not result in noxious or toxic levels of airborne contaminants at or beyond the boundary of the property c) Discharge must not result in dangerous levels of airborne contaminants at or beyond the boundary of the property, including but not limited to any risk of fire or explosion	Permitted			

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
<p>- any processes for the slaughter or skinning of animals, and</p> <p>- any processes for the drying of milk or milk products, OR</p> <p>Premises for the cleaning, washing, or drying of garments, that are discharging steam, or consuming perchlorethylene or low aromatic white spirit, OR</p> <p>Premises used primarily for the sale, servicing or repair of motor vehicles, trailers and boats, including body and engine repairs such as panel beating, spray and brush painting, undersealing, steam cleaning, and fibreglassing, OR</p> <p>Premises used for processes involving the application of coating materials (including paint, paint solvents, varnish, lacquer, dyes, metal oxide coatings, adhesive coatings, elastomer coatings, stains, and polishes), OR</p> <p>Premises used for processes involving dyeing, printing, or finishing of yarns, threads, or woven, non-woven or knitted fabrics or garments, but excluding chemical reactions of monomers for production of synthetic threads, fellmongery, tanning, the curing of leathers or wool scouring, OR</p> <p>Premises used for the storage in transit, including the unloading, of waste materials, OR</p> <p>Premises used for the manufacture of concrete products, OR</p>		<p>For premises for the cleaning, washing or drying of garments:</p> <p>d) Rate of consumption of perchlorethylene does not exceed 30 litres per day</p> <p>e) Rate of consumption of aromatic white spirit does not exceed 60 litres per day</p> <p>For premises for the carrying out of processes involving the application of coating materials:</p> <p>f) Rate of consumption of coating materials does not exceed 200 litres per day</p>				

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Premises used for the carrying out of welding, soldering or other metal fusing activities						
Discharges of contaminants to air from hydrocarbon distribution and transmission networks <sup>31</sup> , other than as provided for in Rules 1, 2, 3, and 4	14 Discharges from hydrocarbon distribution and transmission networks	a) Discharge must not result in offensive or objectionable odour or dust at or beyond the boundary of the property and on such parts of the electricity transmission network that lie within the boundary of the premises b) Discharge must not result in noxious or toxic levels of airborne contaminants at or beyond the boundary of the property c) Discharge must not result in dangerous levels of airborne contaminants at or beyond the boundary of the property, including but not limited to any risk of fire or explosion	Permitted			
Discharges of contaminants to air from power stations, electrical substations or switchyards other than as provided for in Rules 1 to 54 and/or Rules 56 to 63	15 Discharges from power stations, electrical substations or switchyards not covered by Rules 1 to 54 and/or Rules 56 to 63	a) Discharge must not result in offensive or objectionable odour or dust at or beyond the boundary of the property and on such parts of the electricity transmission network that lie within the boundary of the premises b) Discharge must not result in noxious or toxic levels of airborne contaminants at or beyond the boundary of the property c) Discharge must not result in dangerous levels of airborne contaminants at or beyond the boundary of the property, including but not limited to any risk of fire or explosion	Permitted			
Discharges of contaminants to air from: mineral extraction and processing activities, OR  training and race courses, OR  show grounds, OR  arenas, OR  premises pertaining to the transport (including storage in transit and the	16 Discharges from recreational areas or trade premises	a) Discharge must not result in offensive or objectionable odour or dust at or beyond the boundary of the property and on such parts of the electricity transmission network that lie within the boundary of the premises b) Discharge must not result in noxious or toxic levels of airborne contaminants at or beyond the boundary of the property c) Discharge must not result in dangerous levels of airborne contaminants at or beyond the boundary of the property, including but not limited to any risk of fire or explosion	Permitted			

<sup>31</sup> 'Distribution network' includes facilities providing storage of gas treated to a supply specification that has entered a distribution network post production, whether storage is above ground or underground and in constructed or in natural reservoirs, but does not include re-injection of gas (hydrocarbon or otherwise) into a zone of a producing well for production enhancement, such as by flushing or re-pressurisation.

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
loading and unloading) of fertiliser, grains, berries, animal feed, coal, coke, wood chip, sawdust, wood shavings, bark, soil, aggregate, sand, cement						

## Discharges from Abrasive Blasting Processes

For information requirements refer to Section 5

The Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulations 2009 introduced standards for electricity transmission activities that prevail over plan rules. Accordingly Rules 17-21 do not apply to the activities relating to existing transmission lines specified in regulation 4 of the National Environmental Standards for Electricity Transmission Activities and covered by that National Environmental Standard. Appendix I contains the rules for abrasive blasting that will apply to Electricity Transmission Activities regulated by the National Environmental Standards for Electricity Transmission Activities.

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of contaminants to air from wet abrasive blasting processes whether mobile or in permanent facilities	17 Wet abrasive blasting	<ul style="list-style-type: none"> <li>a) Particulate deposition rate beyond the boundary of the property arising from the discharge is less than 0.13 g/m<sup>2</sup>/day</li> <li>b) Sand used for blasting must contain less than 5% by dry weight free silica</li> <li>c) Sand used for blasting must contain less than 2% by dry weight dust able to pass through a 0.15 millimetre mesh sieve</li> <li>d) Process must not result in any deposition of contaminants within 10 metres of a waterbody</li> <li>e) All work areas and surrounding areas must be kept substantially free of accumulations of deposited blasting medium and other debris. Areas are to be cleared of blasted material at the end of each blasting session and by the end of each working day</li> <li>f) All premises or items to be blasted must be screened by means of screens, covers, tarpaulins, cladding or other means to contain emissions, including overspray or mists, within the boundary of the property or premises on which blasting is occurring</li> <li>g) Discharge (including overspray, mists, chemical additives, or debris) must not result in noxious, dangerous, offensive or</li> </ul>	Permitted			

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
		<p>objectionable levels of airborne contaminants at or beyond the boundary of the property or premises and on such parts of the electricity transmission network that lie within the boundary of the premises</p> <p>h) Discharge must not cause any significant adverse environmental effects, either directly or as a consequence of run-off or soakage</p>				
Discharges of contaminants to air from dry abrasive blasting processes inside permanent facilities, or wet abrasive blasting processes inside permanent facilities that do not meet one or more of the conditions of Rule 17	18 Abrasive blasting - fixed source	<p>a) Discharge concentration of dust is less than 125 mg/m<sup>3</sup> (NTP)</p> <p>b) Particulate deposition rate beyond the boundary of the property and arising from the discharge is less than 0.13 g/m<sup>2</sup>/day</p> <p>c) Sand used for blasting must contain less than 5% by dry weight free silica</p> <p>d) Sand used for blasting must contain less than 2% by dry weight dust able to pass a 0.15 millimetre mesh sieve</p> <p>e) Discharge (including overspray, mists, chemical additives, or debris) must not result in noxious, dangerous, offensive or objectionable levels of airborne contaminants at or beyond the boundary of the property and on such parts of the electricity transmission network that lie within the boundary of the premises</p> <p>f) The discharge of suspended particulate matter shall not exceed 3 mg/m<sup>3</sup> (measured under ambient conditions) beyond the boundary of the property</p>	Controlled		<p>a) Duration of consent</p> <p>b) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</p> <p>c) Best practicable option to prevent or minimise any adverse effects on the environment</p> <p>d) Design and construction and operation of facilities</p> <p>e) Proposed management and storage of unused and waste blasting media</p> <p>f) Chemicals to be used for wet sand or water blasting</p> <p>g) Means of minimising environmental effects when abrasive blasting over-sized articles</p> <p>h) Visual effects, loss of amenity value of air, chronic or acute human health effects, soiling or damage to property, odour, annoyance and offensiveness, effects on ecosystems, plants and animals and effects on areas identified in Policy 2.3</p> <p>i) Review of the conditions of consent and the timing and purpose of the review</p> <p>j) Payment of administrative charges</p> <p>k) Payment of financial contributions</p>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3
Discharges of contaminants to air from moveable dry abrasive blasting processes or from moveable wet abrasive blasting processes that do not meet one or more of the conditions of Rule 17	19 Abrasive blasting – moveable source	<p>a) Sand used for dry abrasive blasting must contain less than 5% by dry weight free silica</p> <p>b) Sand used for dry abrasive blasting must contain less than 2% by dry weight dust able to pass a 0.15 millimetre mesh sieve</p> <p>c) Discharge (including overspray, mists, chemical additives, or debris) must not result in noxious, dangerous, offensive or objectionable levels of airborne contaminants beyond the boundary of the property and on such parts of the electricity transmission</p>	Controlled		<p>a) Duration of consent</p> <p>b) Area of the region over which the consent may be exercised</p> <p>c) Proposed management and storage of unused waste blasting media</p> <p>d) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</p> <p>e) Best practicable option to prevent or minimise any adverse effects on the environment</p> <p>f) Disposal of used blasting debris and media</p> <p>g) Chemicals to be used for blasting</p>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
		<p>network that lie within the boundary of the premises</p> <p>d) The discharge of suspended particulate matter shall not exceed 3 mg/m<sup>3</sup> (measured under ambient conditions), and the deposition of dust shall not exceed 0.13 g/m<sup>2</sup>/day beyond the boundary of the property or beyond 50 metres of the discharge when sited on public amenity areas, whichever is less</p> <p>e) Abrasive blasting within 200 metres of any dwellinghouse or property boundary may take place only after either public notice or individual notice to all affected owners or occupiers has been given</p>			<p>h) Nature of articles that may be blasted other than within a permanent enclosed structure</p> <p>i) Alternatives to dry sand abrasive blasting</p> <p>j) Allowable wind speed and direction when blasting</p> <p>k) Screening requirements when blasting in the open air</p> <p>l) Notification and protective measures when blasting in proximity to residential buildings or property boundaries</p> <p>m) Visual effects, loss of amenity value of air, chronic or acute human health effects, soiling or damage to property, odour, annoyance and offensiveness, effects on ecosystems, plants and animals and effects on areas identified in Policy 2.3</p> <p>n) Review of consent and the timing and purpose of the review</p> <p>o) Payment of administrative charges</p> <p>p) Payment of financial contributions</p>	
Discharges of contaminants to air from moveable dry or wet abrasive blasting processes that do not meet one or more of the conditions (c) to (e) of Rule 19	20 Moveable abrasive blasting that does not comply with Rule 19	<p>a) Sand used for dry abrasive blasting must contain less than 5% by dry weight free silica</p> <p>b) Sand used for dry abrasive blasting must contain less than 2% by dry weight dust able to pass a 0.15 millimetre mesh sieve</p>	Restricted Discretionary		<p>a) Duration of consent</p> <p>b) Area of the region over which the consent may be exercised</p> <p>c) Proposed management and storage of unused and waste blasting media</p> <p>d) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</p> <p>e) Best practicable option to prevent or minimise any adverse effects on the environment</p> <p>f) Disposal of used sand and blasting debris</p> <p>g) Chemicals to be used for wet sand or water blasting</p> <p>h) Nature of articles that may be blasted other than within a permanent enclosed structure</p> <p>i) Alternatives to dry sand abrasive blasting</p> <p>j) Allowable wind speed and direction when blasting</p> <p>k) Screening requirements when blasting in the open air</p> <p>l) Additional notification and protective measures when blasting in proximity to a watercourse</p> <p>m) Dry abrasive blasting in proximity of residential buildings or property boundaries</p>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
					n) Visual effects, loss of amenity value of air, chronic or acute human health effects, soiling or damage to property, odour, annoyance and offensiveness, effects on ecosystems, plants and animals and effects on areas identified in Policy 2.3 o) Review of consent and the timing and purpose of the review p) Payment of administrative charges q) Payment of financial contributions	
Discharges of contaminants to air from dry abrasive blasting processes when the sand used for abrasive blasting contains 5% or more by dry weight free silica or 2% or more by dry weight dust able to pass a 0.15 millimetre mesh sieve	21 Use of high-silica sands in dry abrasive blasting		Prohibited			

## Discharges from Other Moveable and Fixed Industrial Sources

For information requirements refer to section 5

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of contaminants to air from the burning of bitumen on a road	22 Moveable road burners		Prohibited			
Discharges of contaminants to air from a moveable or permanent plant for the manufacture of hot-mix asphalt/bitumen paving mixes	23 Moveable or permanent asphalt/bitumen plants		Discretionary			1.1, 1.2, 1.3, 2.1, 2.3, 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

## Discharge of Heat or Water Vapour-Based Plumes from Fixed Sources

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of heat or water vapour to air from air-cooled heat exchangers	24 Air-cooled heat exchangers		Permitted			



Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of heat or water vapour to air from small-scale evaporative water-based cooling tower processes	25 Small-scale discharges to air from water-based cooling systems	<ul style="list-style-type: none"> <li>a) Cooling tower processes are equal to or less than 10 MW maximum per cooling tower or 30 MW per premises</li> <li>b) The discharge shall not cause air to move at a velocity greater than 4.3 metres per second through: <ul style="list-style-type: none"> <li>(i) any aerodrome protection surface</li> </ul> </li> </ul>	Permitted			
Discharges of heat or water vapour to air from large-scale evaporative water-based cooling tower processes	26 Large-scale discharges to air from water-based cooling systems	<ul style="list-style-type: none"> <li>a) Cooling tower processes are greater than 10 MW maximum capacity per cooling tower or 30 MW per premises</li> <li>b) Visible plume shall never be closer than two kilometres away from any point within a national park or coastal marine area</li> <li>c) Visible plume shall never be closer than one kilometre away from any defined urban area</li> <li>d) Visible plume shall not extend into or across any airport, airfield or aerodrome or impinge on any aerodrome protection surface observed at any airport, airfield or aerodrome or cause air to move through any aerodrome protection surface at a velocity greater than 4.3 m s<sup>-1</sup></li> <li>e) The plume and tower shall not obscure sunlight from any pre-existing dwellinghouse, unless prior approval has been obtained from all owners and occupiers of pre-existing dwellinghouses</li> <li>f) Droplet drift rate is less than 0.1% if the thermal rating is greater than 150 MW</li> <li>g) Droplet drift rate is less than 0.2% if the thermal rating is less than 150 MW</li> <li>h) Chromium-based corrosion inhibitors are not used in water treatment</li> <li>i) The Taranaki Regional Council must be informed of the water treatment regime in use</li> </ul>	Permitted			
Discharges of steam to air other than from an evaporative water-based cooling tower	27 Discharges of steam	<ul style="list-style-type: none"> <li>a) Visible plume does not cross boundary of property upon which it originates</li> </ul>	Permitted			
Discharges to air of heat or water vapour from evaporative water-	28		Restricted Discretionary		<ul style="list-style-type: none"> <li>a) Duration of consent</li> <li>b) Water treatment chemicals that may be used</li> </ul>	1.1, 1.2, 1.3, 2.1, 2.3, 2.4,

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
based cooling towers that do not meet one or more of the conditions of Rule 25 or Rule 26, whichever is relevant	Discharges from cooling towers that do not comply with Rules 25 or 26				<ul style="list-style-type: none"> <li>c) Stack height and efflux velocity</li> <li>d) Imposition of limits on or relating to discharge or ambient concentrations of contaminants, or on or relating to mass discharge rates</li> <li>e) Best practicable option to prevent or minimise any adverse effects on the environment</li> <li>f) Plume height and length</li> <li>g) Maximum droplet release rate</li> <li>h) Monitoring and reporting requirements</li> <li>i) Visual effects, loss of amenity value of air, chronic or acute human or animal health effects, odour, shading of dwellinghouses or production land and effects on areas identified in Policy 2.3</li> <li>j) Review of the conditions of consent and the timing and purpose of the review</li> <li>k) Payment of administrative charges</li> <li>l) Payment of financial contributions</li> </ul>	2.5, 2.6, 2.7, 3.1, 3.2, 4.1, 4.2, 4.3

## Discharges from Fumigation

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
Discharges of contaminants to air arising from fumigation on industrial or trade premises excluding the use of fumigants subject to the Hazardous Substances and New Organisms (HSNO) Act 1996 <sup>32</sup>	29 Fumigation	<ul style="list-style-type: none"> <li>a) Discharge must not result in offensive or objectionable odour or dust or fumigant at or beyond the boundary of the property</li> <li>b) Discharge must not result in noxious or toxic levels of airborne contaminants at or beyond the boundary of the property</li> <li>c) Discharge must not result in dangerous levels of airborne contaminants at or beyond the boundary of the property and on such parts of the electricity network that lie within the boundary of the premises, including, but not limited to, any risk of fire or explosion</li> <li>d) Discharger must adopt the best practicable option to prevent or minimise any adverse</li> </ul>	Permitted			

<sup>32</sup> Under the HSNO Act, anyone who manufactures, sells, uses or stores the following: 1,3-dichloropropene liquid; 1-3-dichloropropene and chloropicrin liquid; Chloropicrin liquid; Hydrocyanic acid discoloid; Methyl bromide gas; Methyl bromide and chloropicrin; Phosphine gas; Aluminum phosphide pellets (> 3 kg); and Magnesium phosphide pellets (> 3 kg) must hold a Controlled Substances Licence. These fumigants are therefore not controlled under this Plan.

Activity	Rule	Standards/Terms/Conditions	Classification	Notification	Control/Discretion	Policy Reference
		effects of the discharge beyond the boundary of the property				

