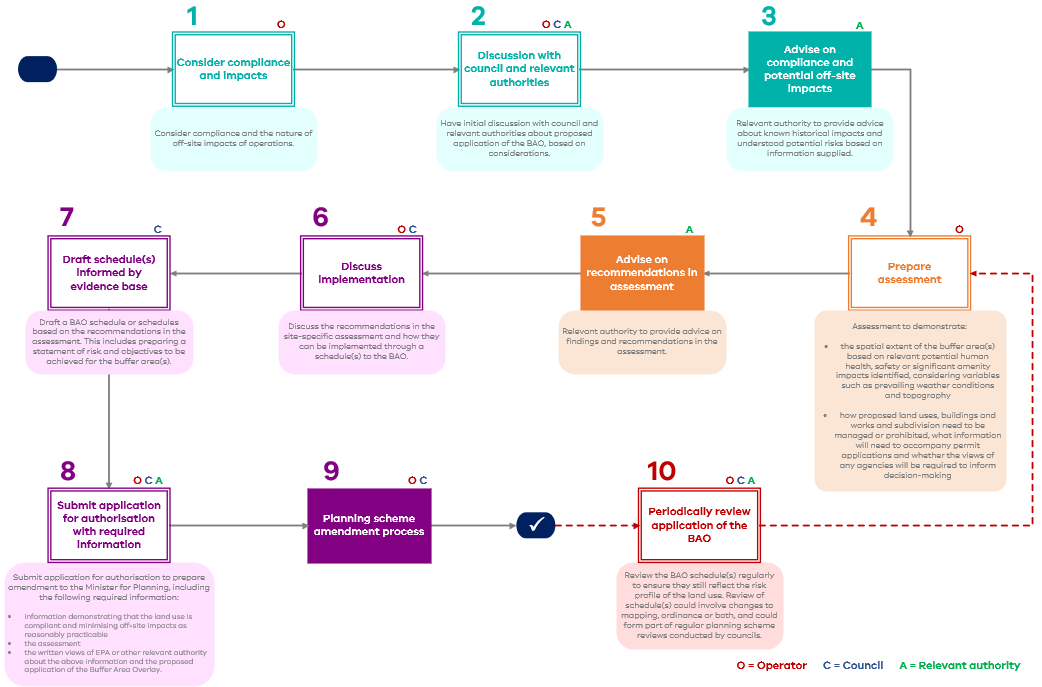
This version of the **Planning Practice Note 92: Managing buffers for land use compatibility** has been prepared for use with screen reader software. The pdf publication contains images and design features that have been necessarily omitted from this version. In other respects this document contains identical text to that in the PDF version of the document which is available at [www.planning.vic.gov.au](http://www.planning.vic.gov.au).

Appendix A – Clause 53.10 use and activity descriptions and potential adverse impacts

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Type of use or activity  Basic metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Iron or steel production | x | x | x | x |  | • Foundries - metal melting or casting ferrous metals (alloys) • Production of iron from iron ore or steel to make sheet metal, structural metal and iron and steel products  • Scrap metal processing - fragmented or melted to recover metal (including lead battery reprocessing). |
| Type of use or activity  Basic metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Non-ferrous metal production | x | x | x | x | x | • Metal and ore smelting, refining, melting, casting, fusing, roasting or processing.  • Grinding and milling works – rocks, ore etc. that are processed by grinding or milling, or separated by sieving, aeration etc. • Where metal, metal ores, concentrates or wastes are treated to produce metal (other than iron and aluminium). |
| Type of use or activity  Basic metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Non-ferrous metal production: *aluminium by electrolysis* | x | x | x | x | x | Production of aluminium using electrolytic fusion technique. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Ammunition, explosives and fireworks production |  | x | x | x | x | Production of ammunition, explosives and fireworks. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Biocides production and storage | x | x | x | x | x | Production of biocides, herbicides, insecticides or pesticides by a chemical process. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Briquette production |  | x | x | x |  | • Compressed coal dust or wood dust production  • Manufacturing clay bricks (except refractory bricks). |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Chemical product manufacture other than listed within this group | x | x | x | x | x | Manufacture of other chemical products |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Coke processing |  | x | x | x |  | Coke is produced, quenched, cut, crushed and graded. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Cosmetics and toiletries production |  | x | x | x | x | Manufacture of cosmetics and toiletries. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Fertiliser production | x | x | x | x | x | Manufacture of artificial fertilisers (HF, NH3, SO2). |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Gasworks | x | x | x | x | x | Premises on which coal, coke and oil (including mixtures or derivatives of) are processed to produce combustible gas. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Industrial gases production | x | x |  | x | x | Production, processing, refining and storage of industrial gases. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Organic and inorganic industrial chemicals production other than those listed within this group | x | x | x | x | x | Manufacturing blending or packaging of inorganic chemicals including:  • dyes and pigments • chromium sulphate • acids and salts • chlorine • sodium hydroxide • other alkalis using electrochemical processes  • sodium cyanide  • sodium silicate  • titanium dioxide  • sulphuric acid.  Manufacturing, blending or packaging of organic chemicals, including:  • wood or gum chemicals  • organic tanning extracts   • organic dyes and pigments  • organic acids  • industrial alcohols such as ethanol, methanol, ethylene glycol and ether  • antifreeze   • beeswax   • concrete additive or masonry surface treatment   • dry cleaning compounds   • eucalyptus oil   • flux manufacturing (welding and soldering)  • formaldehyde  • sandalwood oil   • tea-tree oil. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Other petroleum or coal production | x | x | x | x | x | Other hydrocarbon production or refining. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Paints and inks manufacture, blending and mixing >2,000 tonnes/year | x | x |  | x | x | Mixing pigments, water, solvents and binders into paints and coatings. Includes manufacturing allied paint products (e.g. putties, caulking compounds, paint and varnish removers) and rubbing compounds and manufacturing inks and toners. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Petroleum refinery | x | x |  | x | x | • Refinery of crude oil or condensate  • Refining heavy and light oil components into petroleum products using oil and grease base stocks, as well as synthetic organic compound base stocks  • Refining heavy and light component crude oil, manufacturing and/or blending materials into petroleum fuels, and manufacturing fuels from the liquefication of petroleum gases. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Pharmaceutical and veterinary chemical production | x | x | x | x | x | Production of pharmaceutical and veterinary chemicals. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Polyester and synthetic resins production >2,000 tonnes/year | x | x | x | x | x | • Manufacture of synthetic resins, non-vulcanisable elastomers and mixing and blending of resins and polymeric materials • Manufacture of polyester resins • Resin is used to prepare or manufacture plastic foam or foam products using MDI or TDI. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rubber production: synthetic rubber, exceeding 2,000 tonnes per year | x | x | x | x | x | Production of synthetic rubber. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rubber production: using either organic solvents or carbon black | x | x | x | x |  | Rubber production using either organic solvents or carbon black. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rubber production: using sulphur | x | x | x | x | x | Rubber production using sulphur. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Soap and detergent production |  | x | x | x | x | Manufacturing cleaning compounds, including toothpastes, soaps and detergents, surface active agents, polishes and speciality cleaning preparations. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Abrasive blast cleaning |  | x | x |  |  | Metal or other material is cleaned or abraded by blasting with any abrasive material. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Boiler maker |  | x |  |  |  | Manufacturing boilers, tanks and other metal containers from heavy gauge metals. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Metal coating and finishing | x | x | x | x |  | • Galvanising, electroplating, anodising (chroming, phosphating and colouring), chemical etching or milling of metal products • Powder coating or enamelling • Industrial spray painting. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Structural or sheet metal production |  | x | x |  |  | • Manufacturing structural metal products • Manufacturing sheet metal products not classified elsewhere, such as pressed or spun metal hollowware, air ducts and bottle closures. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Alcoholic and non-alcoholic beverage production >5,000 litres/day: *alcoholic* | x | x |  |  |  | Alcoholic beverages are manufactured – brewery, distillery or winery. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Alcoholic and non-alcoholic beverage production >5,000 litres/day: *non-alcoholic* |  | x |  |  |  | Non-alcoholic beverages are manufactured, processed or packaged. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Animal processing |  | x | x | x |  | • Abattoir – killing of animals for human consumption or pet food – no rendering • Slaughtering and dressing birds (including poultry and game birds) and/or preparing and processing, boning, chilling, freezing or packaging or canning the whole or selected parts of bird carcasses. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Bakery >200 tonnes/year |  | x | x | x |  | Production of baked products. Excludes bakeries ancillary to a shop. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Flour mill >200 tonnes/year |  | x | x |  |  | Milling flour or meal intended for human consumption from grains, vegetables or plants. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Food production other than those listed within this group >200 tonnes/year |  | x | x | x |  | Manufacturing canned, bottled, preserved, quick frozen or dried fruit (except sun-dried) and vegetable products.  Manufacturing dehydrated vegetable products, soups, sauces, pickles and vegetable products.  Manufacturing other food products, including: • coffee and tea • deep fat frying, roasting or drying  • egg pulping or drying • flavoured water packs (for freezing into flavoured ice)  • food dressings  • food flavours and colours • frozen pre-prepared meals • gelatine  • ginger  • health supplements • honey (blended)  • hops • jelly crystals  • rice preparation  • salts, seasonings, spices • soya bean concentrate, isolate or textured protein • Worcestershire sauce  • yeast or yeast extract. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Grain and stockfeed mill and handling facility |  | x | x | x |  | • Receiving, storing, fumigating, bagging, transporting and loading grain or stockfeed • Grain or seed milling premises • Premises on which grain or seed is cleaned, graded, sorted or processed. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Maltworks >200 tonnes/year |  |  |  | x |  | Production of malt. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Manufacture of milk products >200 tonnes/year |  | x | x | x |  | • Milk is separated, evaporated or a dairy product is manufactured; processing raw milk. Processes include pasteurisation of milk and separation to produce milk and cream with varying fat content.  • Grading, filtering, chilling fresh liquid whole milk or cream, or manufacturing, bottling or packaging pasteurised liquid whole milk, flavoured liquid whole or skim milk, liquid skim milk, liquid standardised milk, cream, sour cream, cultured buttermilk or yoghurt. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Milk depot |  | x |  | x |  | Milk receival or distribution depot operation. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Pet food production |  | x | x | x |  | Manufacture of animal feed from grain and other food products. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Production of vegetable oils and animal fats using solvents >200 tonnes/year |  | x | x | x |  | Vegetable oil, oil seed or animal fat is processed – includes seed crushing and use of solvents to refine oils. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Seafood processor >200 tonnes/year |  | x |  | x |  | Fish or other seafood is processed or packaged. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Smallgoods production >200 tonnes/year | x | x |  | x |  | Manufacturing of cured/preserved meats, including canning and packaging: • Bacon, ham, smallgoods or prepared meat products not elsewhere classified  • Corned meat manufacturing  • Croquette manufacturing • Pate manufacturing (except fish) • Poultry smallgoods manufacturing  • Salting, drying, pickling or smoking.  Excludes abattoir facilities or rendering works. |
| Type of use or activity  Miscellaneous and manufacturing | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Printing and coating works with heated curing ovens | x | x | x | x |  | Printing works emitting volatile organic compounds; printing and/or providing reprographic services. Printing methods may include off-set lithographic, reprographic, digital, relief and screen printing |
| Type of use or activity  Miscellaneous and manufacturing | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rendering and casings works |  | x |  | x |  | Animal matter is processed or extracted for use as fertiliser, stock food or other purposes. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Bitumen batching plant | x | x | x | x |  | Asphalt is mixed and prepared. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Cement production |  | x | x |  |  | Concrete or cement is mixed, prepared or treated |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Cement, lime, clay bricks, tiles and pipe refractories, with a design production rate exceeding 10,000 tonnes per year | x | x | x | x |  | • Manufacturing products using a furnace or kiln • Manufacturing concrete products, including manufacturing aerated and concrete composite products • Production of cement clinker or lime or cement clinker, clay, limestone or similar is ground or milled, including quicklime production • Ceramic works, being works in which bricks, tiles, pipes, pottery goods or refractories are processed in dryers or kilns • Ceramic kitchen or tableware or other non-refractory ceramic products. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Concrete batching plant >5,000 tonnes/year |  | x | x |  |  | Concrete is made (batched) and loaded for  transport or cement products are made. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Glass and glass production including glass wool and fibreglass | x | x | x | x |  | • Premises on which glass or glass fibre is produced • Manufacturing polymer composite products such as fibreglass products and resilient floor coverings, as well as other polymer products. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Plaster or plaster articles production >5,000 tonnes/year |  |  | x |  |  | Plaster, plasterboard, gyprock or other products comprised wholly or mostly of gypsum are made. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rock wool manufacture | x | x | x | x |  | Manufacture of mineral wool or ceramic fibre. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Solar salt manufacture |  | x | x |  |  | Salt is produced by solar evaporation. |
| Type of use or activity  Other premises | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Automotive body, paint, and interior repair | x | x | x | x |  | Repairing, panel beating and/or spray painting smashed or damaged automotive vehicles. |
| Type of use or activity  Other premises | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rural industry handling, processing or packing agricultural produce |  | x | x | x |  | Rural industry handling, processing or packing agricultural produce. |
| Type of use or activity  Paper and paper products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Paper or paper pulp production | x | x | x | x |  | • Manufacture of paper pulp, wood pulp, kraft paper, kraft paperboard, cardboard paper or paperboard • Involving combustion of sulphur or sulphur containing materials • Paper recycling • Corrugated paperboard and paperboard container recycling. |
| Type of use or activity  Recreational, personal and other services | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Dry cleaning for commercial and institutional customers, or in bulk quantities |  | x | x | x |  | Providing a range of dry-cleaning services and operations in bulk quantities. |
| Type of use or activity  Recreational, personal and other services | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Laundry for commercial and institutional customers, or in bulk quantities |  | x | x | x |  | Providing a range of laundry services and operations in bulk quantities. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Carpet backing with latex | x | x |  | x |  | Carpet backing process using latex. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Dyeing or finishing of cotton, linen and woollen yarns and textiles |  |  | x | x |  | Industrial finishing of textile products, using processes such as automated embroidery, bleaching, dyeing, printing (except screen printing) or pleating. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Leather and artificial leather goods production |  | x |  | x |  | • Manufacturing textile or canvas bags for packaging • Manufacturing leather belts, gloves, or fur or leather clothing and footwear. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Leather tanning and dressing |  | x | x | x |  | Animal skins or hides where they are treated dried, cured and stored – using a sulphide process or non-sulphide process. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rope, cordage and twine production |  | x | x |  |  | Manufacturing rope, cordage, twine, net or related products from natural or synthetic fibres. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Treatment or production of natural and synthetic fibres and textiles |  | x | x | x |  | • Manufacture of cotton, linen, woollen yarns and other natural textiles • Carpet making and other forms of manufacturing, ginning, milling or production of natural fibres • Artificial and synthetic fibre manufacturing or treatment and cellulose nitrate, viscose fibre, cellophane, artificial rubber or other man-made textiles manufacture. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Treatment or production of textiles using carbon disulphide |  | x |  | x | x | Textile manufacturing and processing with textile finishing work using a chemical treatment (carbon disulphide). |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Wool scouring |  | x |  | x |  | Scouring and primary treatment of wool. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Bus depot |  | x |  | x |  | Depot for buses. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Depot for refuse collection vehicles |  | x |  | x |  | Depot for refuse collection vehicles. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Storage of bulk volatile organic compounds in quantities greater than 1,000 tonnes | x | x | x | x | x | Storage of bulk volatile organic compounds in quantities greater than 1,000 tonnes. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Storage of petroleum products and crude oil in tanks >2,000 tonnes capacity | x | x |  | x | x | Storage of petroleum products and crude oil in tanks with capacity greater than 2,000 tonnes. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Storage of wet-salted or unprocessed hides |  | x |  | x |  | Storing preserved (salted) raw stock to be later used for making leather. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Chemical or oil recycling | x |  |  | x | x | Waste liquid hydrocarbons, organic oils or chemicals are refined, purified, reformed, separated or processed. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Combustion, treatment or bio-reaction of waste to produce energy | x | x | x | x | x | Combustion, treatment or bio-reaction of waste to produce energy. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Composting and other organic materials recycling | x | x | x | x | x | Composting and other organic materials recycling, including:  • Outdoor uncovered, regularly turned windrows • Outdoor covered, turned windrows • Outdoor covered windrows with continuous aeration  • Enclosed windrows with odour control • In-vessel composting with odour control. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Hazardous waste storage or treatment | x | x | x | x | x | • Industrial liquid waste  • Premises on which hazardous liquid waste is treated • Incineration of biomedical, chemical, organic, plastic, rubber or wood waste  • Intractable waste, as specified, for burial   • Premises engaged in the storage of hazardous industrial waste prior to treatment. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Landfill | x | x | x | x | x | Landfill accepting putrescible, solid inert or hazardous waste, including: • Contaminated solid waste  • Special wastes • Fly ash  • Contaminated soil • Organic matter that is liable to putrefaction (rapid degradation by micro­organisms) including materials containing food, offal and animals. • Waste building or demolition material. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Other resource recovery or recycling operations |  | x | x | x |  | • Collecting, dismantling, treating, processing, storing, recycling, or selling used or surplus materials  • Advanced resource recovery technology facilities • Paper and metal recycling facilities  • Commercial and industrial materials recycling. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Soil conditioning or blending | x | x | x | x | x | Mixing or blending soils to improve physical qualities (e.g. fertiliser). |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Transfer station |  | x | x | x |  | Land used to collect, consolidate, temporarily store, sort or recover refuse, used or surplus materials before transfer for disposal, recycling or use elsewhere. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Used plastics treatment or processing |  | x |  | x |  | Recycling of plastic. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Waste tyre recycling and re-treading | x | x | x | x | x | • Premises on which used tyres are crumbed, granulated or shredded  • Manufacturing tyres from synthetic polymers and/or natural rubber, tyre repair materials and inner tubes  • Premises with more than 40 tonnes or 5,000 equivalent passenger units (EPUs) of waste tyres at any time. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Vehicle recycling or disposal |  | x | x |  |  | Recycling or disposal of vehicles and vehicle parts. |
| Type of use or activity  Water and wastewater | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Sewage treatment plant, exceeding a design or actual flow rate of 5,000 litres per day | x | x |  | x | x | • Sewage treatment plant operation • Vacuum/wastewater/sewage pumping station. |
| Type of use or activity  Water and wastewater | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Water treatment plant | x | x |  | x |  | • Desalination - premises at which salt is removed from water for potable or other uses that have a design capacity to process more than 1 ML/day feed water  • Raw water treatment |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Charcoal production |  | x | x | x |  | Wood, carbon material or coal is charred to produce a fuel or material of enriched carbon content. |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Joinery |  | x | x | x |  | Production of wooden furniture and household items such as doors, kitchen fittings, flooring and mouldings. |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Sawmill, wood products and furniture |  | x | x | x |  | • Timber (tree) milling  • Manufacturing softwood or hardwood wood chips • Manufacturing wood boards and sheets from reconstituted wood fibres such as wood chips, sawdust, wood shavings, slab wood or off-cuts • Wood-board manufacturing (including MDF plants) • Manufacturing furniture of wood or predominantly of wood. |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Wood preservation plant |  | x | x | x | x | Timber treatment by chemical means, including chromated copper arsenate (CCA). |

Appendix B – BAO step by step summary

Flow chart summary below of steps previously explained.

Appendix C – Risk exposure matrix for application of BAO

Operations with a high, very high or extreme level of residual risk, shown within the red line, are likely to be suitable for application of the BAO.

Operations with a medium level of residual risk based on unlikely, but moderate or major consequences, shown within the dashed red line, may be considered suitable for application of the BAO.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Risk exposure matrix for application of BAO | | | | | |  | |  | |
| Consequence | Severe | High | High | Very High | Very High | | Extreme | |
| Major | Medium | Medium  (within the red dashed line) | High | Very High | | Very High | |
| Moderate | Medium | Medium  (within the red dashed line) | High | High | | High | |
| Minor | Low | Low | Medium | Medium | | Medium | |
| Very low | Very Low | Low | Low | Low | | Medium | |
|  | | Highly unlikely | Unlikely | Possible | Likely | | Almost certain | |
| Likelihood | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Likelihood criteria | Highly unlikely | Unlikely | Possible | Likely | Almost certain |
| **Descriptive**  (*based on industry history, the nature of the specific business)* | Will probably never happen in the industry | Not expected to happen/recur in the industry but it is possible | Expected to happen/recur in the industry occasionally | Expected to happen/recur in the industry regularly | Expected to happen/recur in the industry frequently |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Consequence criteria | Very low | Minor | Moderate | Major | Severe |
| **Amenity, human health and safety impacts**  *(based on the intensity, duration and character of unintended off-site impacts such as odour, dust, noise and landfill gas)* | Does not disrupt normal activities associated with sensitive land uses  **Examples:**  Odour that is not very noticeable or doesn’t last very long  Dust that is hardly noticeable  Low volume noise emissions that are hardly noticeable | Annoying when occurs, but unlikely to disrupt normal activities associated with sensitive land uses  **Examples:**  Odour that is sometimes noticeable but does not stop you undertaking normal activities  Dust that is sometimes noticeable but doesn’t cause damage or irritation  Low volume noise emissions that are sometimes noticeable, but do not interfere with normal domestic activities | Moderate disruption to normal activities associated with sensitive land uses and some concern  **Examples:**  Odour that is not intrinsically nauseating or unsafe, but it is clearly noticeable, and you don’t get used to it  Dust that is noticeable and sometimes results in deposits to outdoor furniture and vehicles  Noise that causes some sleep disturbance with open windows and interferes with normal domestic activities outdoors  Landfill gas observed from time to time but not very detectable or measurable | Notable disruption to normal activities associated with sensitive land uses and great concern  **Examples:**  Odour that is very noticeable, penetrates inside the house and you can’t carry out activities outside the home  Dust that is noticeable and results in needing to clean outdoor furniture regularly and some damage to vehicles  Noise that would cause sleep disturbance with closed windows and interfere with normal domestic activities indoors  Landfill gas present but not at explosive levels | Ongoing disruption to normal activities associated with sensitive land uses or potential for serious harm including loss of life  **Examples:**  Odour that is extremely noticeable and causes people to experience physical symptoms and emotional distress  Widespread deposit of dust over property and damage to property. Results in reduced visibility, coughing, sneezing, stinging eyes.  Noise that causes people to be unable to have a conversation, even with windows closed  Landfill gas migration building to explosive levels |

APPENDIX D Example BAO schedules (landfill scenario)

SCHEDULE 1 TO CLAUSE 44.08 BUFFER aREA OVERLAY

Shown on the planning scheme map as BAO1

GUMNUT LANDFILL – LANDFILL GAS MIGRATION BUFFER AREA

1.0Statement of risk

Gumnut Landfill is an operating municipal landfill that accepts putrescible waste. The landfill is classified as a hub of regional importance in the *Gumnut Region Resource Recovery Implementation Plan*. Potential for off-site landfill gas migration within this buffer area poses human health and safety risks, such as asphyxiation and explosion, if use and development is not managed appropriately. As an operating landfill there is also potential for unintended off-site odour impacts, primarily to the north and east of the landfill site, which could have impacts on human health by causing headaches and nausea.

2.0Objectives

* To encourage land use and development that complements the existing function of Gumnut Landfill.
* To restrict encroachment and intensification of land uses that are sensitive to the potential unintended off-site impacts of Gumnut Landfill on safety and human health.

3.0 Use of land

Dwelling and dependent person’s unit

A permit is required to use land for a:

* Dwelling
* Dependent person’s unit

Land must not be used for:

* More than one Dwelling on a lot.
* More than one Dependent person’s unit on a lot.

Other use

The following uses are prohibited on land affected by this overlay:

* Accommodation (other than Dwelling and Dependent person’s unit)
* Education centre
* Hospital
* Place of assembly

4.0Subdivision

A permit is required to subdivide land.

Any subdivision of land which would increase the number of Dwellings which the land could be used for is prohibited. This does not apply to the subdivision of land to create a lot for a Dwelling in respect of which a permit has been granted.

5.0Buildings and works

A permit is required to construct a building or construct or carry out works.

This does not apply to:

* The construction of an unenclosed building or structure.
* An alteration to a building or structure that does not require ground disturbance.

Any building or works for which a permit is required under this overlay must be constructed or carried out so as to include landfill gas mitigation measures in accordance with the *Gumnut Landfill Impact Assessment 2020*.

6.0Application requirements

An application to use land for a dwelling or dependent person’s unit, or construct a building or construct or carry out works must be accompanied by:

* A description of the proposed use of land for a dwelling or dependent person’s unit.
* A statement and plan demonstrating how required landfill gas mitigation measures will be implemented in accordance with the *Gumnut Landfill Impact Assessment*.

7.0Exemption from notice and review

An application under this overlay is exempt from the notice requirements of section 52(1)(a), (b) and (d) of the Act.

8.0Decision guidelines

The following decision guidelines apply to an application for a permit under Clause 44.08, in addition to those specified in Clause 44.08 and elsewhere in the scheme which must be considered, as appropriate, by the responsible authority:

* Whether the proposal will result in an increase in the number of dwellings and people that may be affected by potential unintended landfill gas migration and odour impacts from Gumnut Landfill.
* Whether the proposal adequately responds to the requirements for use and development in the *Gumnut Landfill Impact Assessment 2020*, including required landfill gas mitigation measures, where relevant.
* The views of the Environment Protection Authority.

SCHEDULE 2 TO CLAUSE 44.08 BUFFER aREA OVERLAY

Shown on the planning scheme map as BAO2

GUMNUT LANDFILL – ODOUR BUFFER AREA

1.0Statement of risk

Gumnut Landfill is an operating municipal landfill that accepts putrescible waste. The landfill is classified as a hub of regional importance in the Gumnut Region Resource Recovery Implementation Plan. Potential unintended off-site odour impacts within this buffer area, primarily to the north and east of the landfill site, could have impacts on human health by causing headaches and nausea.

2.0Objectives

* To encourage land use and development that complements the existing function of Gumnut Landfill.
* To restrict encroachment and intensification of land uses that are sensitive to the potential unintended off-site impacts of Gumnut Landfill on human health.

3.0Use of land

Dwelling and dependent person’s unit

A permit is required to use land for a:

* Dwelling
* Dependent person’s unit

Land must not be used for:

* More than one Dwelling on a lot.
* More than one Dependent person’s unit on a lot.

Other use

The following uses are prohibited on land affected by this overlay:

* Accommodation (other than Dwelling and Dependent person’s unit)
* Education centre
* Hospital
* Place of assembly

4.0Subdivision

A permit is required to subdivide land.

Any subdivision of land which would increase the number of Dwellings which the land could be used for is prohibited. This does not apply to the subdivision of land to create a lot for a Dwelling in respect of which a permit has been granted.

5.0Buildings and works

None specified.

6.0Application requirements

An application to use land for a dwelling or dependent person’s unit must be accompanied by:

* A description of the proposed use of land for a dwelling or dependent person’s unit.

7.0Exemption from notice and review

An application under this overlay is exempt from the notice requirements of section 52(1)(a), (b) and (d) of the Act.

8.0Decision guidelines

The following decision guidelines apply to an application for a permit under Clause 44.08, in addition to those specified in Clause 44.08 and elsewhere in the scheme which must be considered, as appropriate, by the responsible authority:

* Whether the proposal will result in an increase in the number of dwellings and people that may be affected by potential unintended odour impacts from Gumnut Landfill.
* Whether the proposal adequately responds to the requirements for use and development in the *Gumnut Landfill Impact Assessment 2020*.
* The views of the Environment Protection Authority.

Appendix A – Clause 53.10 use and activity descriptions and potential adverse impacts

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Type of use or activity  Basic metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Iron or steel production | x | x | x | x |  | • Foundries - metal melting or casting ferrous metals (alloys) • Production of iron from iron ore or steel to make sheet metal, structural metal and iron and steel products  • Scrap metal processing - fragmented or melted to recover metal (including lead battery reprocessing). |
| Type of use or activity  Basic metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Non-ferrous metal production | x | x | x | x | x | • Metal and ore smelting, refining, melting, casting, fusing, roasting or processing.  • Grinding and milling works – rocks, ore etc. that are processed by grinding or milling, or separated by sieving, aeration etc. • Where metal, metal ores, concentrates or wastes are treated to produce metal (other than iron and aluminium). |
| Type of use or activity  Basic metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Non-ferrous metal production: *aluminium by electrolysis* | x | x | x | x | x | Production of aluminium using electrolytic fusion technique. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Ammunition, explosives and fireworks production |  | x | x | x | x | Production of ammunition, explosives and fireworks. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Biocides production and storage | x | x | x | x | x | Production of biocides, herbicides, insecticides or pesticides by a chemical process. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Briquette production |  | x | x | x |  | • Compressed coal dust or wood dust production  • Manufacturing clay bricks (except refractory bricks). |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Chemical product manufacture other than listed within this group | x | x | x | x | x | Manufacture of other chemical products |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Coke processing |  | x | x | x |  | Coke is produced, quenched, cut, crushed and graded. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Cosmetics and toiletries production |  | x | x | x | x | Manufacture of cosmetics and toiletries. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Fertiliser production | x | x | x | x | x | Manufacture of artificial fertilisers (HF, NH3, SO2). |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Gasworks | x | x | x | x | x | Premises on which coal, coke and oil (including mixtures or derivatives of) are processed to produce combustible gas. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Industrial gases production | x | x |  | x | x | Production, processing, refining and storage of industrial gases. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Organic and inorganic industrial chemicals production other than those listed within this group | x | x | x | x | x | Manufacturing blending or packaging of inorganic chemicals including:  • dyes and pigments • chromium sulphate • acids and salts • chlorine • sodium hydroxide • other alkalis using electrochemical processes  • sodium cyanide  • sodium silicate  • titanium dioxide  • sulphuric acid.  Manufacturing, blending or packaging of organic chemicals, including:  • wood or gum chemicals  • organic tanning extracts   • organic dyes and pigments  • organic acids  • industrial alcohols such as ethanol, methanol, ethylene glycol and ether  • antifreeze   • beeswax   • concrete additive or masonry surface treatment   • dry cleaning compounds   • eucalyptus oil   • flux manufacturing (welding and soldering)  • formaldehyde  • sandalwood oil   • tea-tree oil. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Other petroleum or coal production | x | x | x | x | x | Other hydrocarbon production or refining. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Paints and inks manufacture, blending and mixing >2,000 tonnes/year | x | x |  | x | x | Mixing pigments, water, solvents and binders into paints and coatings. Includes manufacturing allied paint products (e.g. putties, caulking compounds, paint and varnish removers) and rubbing compounds and manufacturing inks and toners. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Petroleum refinery | x | x |  | x | x | • Refinery of crude oil or condensate  • Refining heavy and light oil components into petroleum products using oil and grease base stocks, as well as synthetic organic compound base stocks  • Refining heavy and light component crude oil, manufacturing and/or blending materials into petroleum fuels, and manufacturing fuels from the liquefication of petroleum gases. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Pharmaceutical and veterinary chemical production | x | x | x | x | x | Production of pharmaceutical and veterinary chemicals. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Polyester and synthetic resins production >2,000 tonnes/year | x | x | x | x | x | • Manufacture of synthetic resins, non-vulcanisable elastomers and mixing and blending of resins and polymeric materials • Manufacture of polyester resins • Resin is used to prepare or manufacture plastic foam or foam products using MDI or TDI. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rubber production: synthetic rubber, exceeding 2,000 tonnes per year | x | x | x | x | x | Production of synthetic rubber. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rubber production: using either organic solvents or carbon black | x | x | x | x |  | Rubber production using either organic solvents or carbon black. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rubber production: using sulphur | x | x | x | x | x | Rubber production using sulphur. |
| Type of use or activity  Chemical, petroleum and coal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Soap and detergent production |  | x | x | x | x | Manufacturing cleaning compounds, including toothpastes, soaps and detergents, surface active agents, polishes and speciality cleaning preparations. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Abrasive blast cleaning |  | x | x |  |  | Metal or other material is cleaned or abraded by blasting with any abrasive material. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Boiler maker |  | x |  |  |  | Manufacturing boilers, tanks and other metal containers from heavy gauge metals. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Metal coating and finishing | x | x | x | x |  | • Galvanising, electroplating, anodising (chroming, phosphating and colouring), chemical etching or milling of metal products • Powder coating or enamelling • Industrial spray painting. |
| Type of use or activity  Fabricated metal products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Structural or sheet metal production |  | x | x |  |  | • Manufacturing structural metal products • Manufacturing sheet metal products not classified elsewhere, such as pressed or spun metal hollowware, air ducts and bottle closures. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Alcoholic and non-alcoholic beverage production >5,000 litres/day: *alcoholic* | x | x |  |  |  | Alcoholic beverages are manufactured – brewery, distillery or winery. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Alcoholic and non-alcoholic beverage production >5,000 litres/day: *non-alcoholic* |  | x |  |  |  | Non-alcoholic beverages are manufactured, processed or packaged. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Animal processing |  | x | x | x |  | • Abattoir – killing of animals for human consumption or pet food – no rendering • Slaughtering and dressing birds (including poultry and game birds) and/or preparing and processing, boning, chilling, freezing or packaging or canning the whole or selected parts of bird carcasses. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Bakery >200 tonnes/year |  | x | x | x |  | Production of baked products. Excludes bakeries ancillary to a shop. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Flour mill >200 tonnes/year |  | x | x |  |  | Milling flour or meal intended for human consumption from grains, vegetables or plants. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Food production other than those listed within this group >200 tonnes/year |  | x | x | x |  | Manufacturing canned, bottled, preserved, quick frozen or dried fruit (except sun-dried) and vegetable products.  Manufacturing dehydrated vegetable products, soups, sauces, pickles and vegetable products.  Manufacturing other food products, including: • coffee and tea • deep fat frying, roasting or drying  • egg pulping or drying • flavoured water packs (for freezing into flavoured ice)  • food dressings  • food flavours and colours • frozen pre-prepared meals • gelatine  • ginger  • health supplements • honey (blended)  • hops • jelly crystals  • rice preparation  • salts, seasonings, spices • soya bean concentrate, isolate or textured protein • Worcestershire sauce  • yeast or yeast extract. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Grain and stockfeed mill and handling facility |  | x | x | x |  | • Receiving, storing, fumigating, bagging, transporting and loading grain or stockfeed • Grain or seed milling premises • Premises on which grain or seed is cleaned, graded, sorted or processed. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Maltworks >200 tonnes/year |  |  |  | x |  | Production of malt. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Manufacture of milk products >200 tonnes/year |  | x | x | x |  | • Milk is separated, evaporated or a dairy product is manufactured; processing raw milk. Processes include pasteurisation of milk and separation to produce milk and cream with varying fat content.  • Grading, filtering, chilling fresh liquid whole milk or cream, or manufacturing, bottling or packaging pasteurised liquid whole milk, flavoured liquid whole or skim milk, liquid skim milk, liquid standardised milk, cream, sour cream, cultured buttermilk or yoghurt. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Milk depot |  | x |  | x |  | Milk receival or distribution depot operation. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Pet food production |  | x | x | x |  | Manufacture of animal feed from grain and other food products. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Production of vegetable oils and animal fats using solvents >200 tonnes/year |  | x | x | x |  | Vegetable oil, oil seed or animal fat is processed – includes seed crushing and use of solvents to refine oils. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Seafood processor >200 tonnes/year |  | x |  | x |  | Fish or other seafood is processed or packaged. |
| Type of use or activity  Food and beverages | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Smallgoods production >200 tonnes/year | x | x |  | x |  | Manufacturing of cured/preserved meats, including canning and packaging: • Bacon, ham, smallgoods or prepared meat products not elsewhere classified  • Corned meat manufacturing  • Croquette manufacturing • Pate manufacturing (except fish) • Poultry smallgoods manufacturing  • Salting, drying, pickling or smoking.  Excludes abattoir facilities or rendering works. |
| Type of use or activity  Miscellaneous and manufacturing | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Printing and coating works with heated curing ovens | x | x | x | x |  | Printing works emitting volatile organic compounds; printing and/or providing reprographic services. Printing methods may include off-set lithographic, reprographic, digital, relief and screen printing |
| Type of use or activity  Miscellaneous and manufacturing | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rendering and casings works |  | x |  | x |  | Animal matter is processed or extracted for use as fertiliser, stock food or other purposes. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Bitumen batching plant | x | x | x | x |  | Asphalt is mixed and prepared. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Cement production |  | x | x |  |  | Concrete or cement is mixed, prepared or treated |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Cement, lime, clay bricks, tiles and pipe refractories, with a design production rate exceeding 10,000 tonnes per year | x | x | x | x |  | • Manufacturing products using a furnace or kiln • Manufacturing concrete products, including manufacturing aerated and concrete composite products • Production of cement clinker or lime or cement clinker, clay, limestone or similar is ground or milled, including quicklime production • Ceramic works, being works in which bricks, tiles, pipes, pottery goods or refractories are processed in dryers or kilns • Ceramic kitchen or tableware or other non-refractory ceramic products. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Concrete batching plant >5,000 tonnes/year |  | x | x |  |  | Concrete is made (batched) and loaded for  transport or cement products are made. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Glass and glass production including glass wool and fibreglass | x | x | x | x |  | • Premises on which glass or glass fibre is produced • Manufacturing polymer composite products such as fibreglass products and resilient floor coverings, as well as other polymer products. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Plaster or plaster articles production >5,000 tonnes/year |  |  | x |  |  | Plaster, plasterboard, gyprock or other products comprised wholly or mostly of gypsum are made. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rock wool manufacture | x | x | x | x |  | Manufacture of mineral wool or ceramic fibre. |
| Type of use or activity  Non-metallic mineral products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Solar salt manufacture |  | x | x |  |  | Salt is produced by solar evaporation. |
| Type of use or activity  Other premises | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Automotive body, paint, and interior repair | x | x | x | x |  | Repairing, panel beating and/or spray painting smashed or damaged automotive vehicles. |
| Type of use or activity  Other premises | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rural industry handling, processing or packing agricultural produce |  | x | x | x |  | Rural industry handling, processing or packing agricultural produce. |
| Type of use or activity  Paper and paper products | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Paper or paper pulp production | x | x | x | x |  | • Manufacture of paper pulp, wood pulp, kraft paper, kraft paperboard, cardboard paper or paperboard • Involving combustion of sulphur or sulphur containing materials • Paper recycling • Corrugated paperboard and paperboard container recycling. |
| Type of use or activity  Recreational, personal and other services | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Dry cleaning for commercial and institutional customers, or in bulk quantities |  | x | x | x |  | Providing a range of dry-cleaning services and operations in bulk quantities. |
| Type of use or activity  Recreational, personal and other services | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Laundry for commercial and institutional customers, or in bulk quantities |  | x | x | x |  | Providing a range of laundry services and operations in bulk quantities. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Carpet backing with latex | x | x |  | x |  | Carpet backing process using latex. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Dyeing or finishing of cotton, linen and woollen yarns and textiles |  |  | x | x |  | Industrial finishing of textile products, using processes such as automated embroidery, bleaching, dyeing, printing (except screen printing) or pleating. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Leather and artificial leather goods production |  | x |  | x |  | • Manufacturing textile or canvas bags for packaging • Manufacturing leather belts, gloves, or fur or leather clothing and footwear. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Leather tanning and dressing |  | x | x | x |  | Animal skins or hides where they are treated dried, cured and stored – using a sulphide process or non-sulphide process. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Rope, cordage and twine production |  | x | x |  |  | Manufacturing rope, cordage, twine, net or related products from natural or synthetic fibres. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Treatment or production of natural and synthetic fibres and textiles |  | x | x | x |  | • Manufacture of cotton, linen, woollen yarns and other natural textiles • Carpet making and other forms of manufacturing, ginning, milling or production of natural fibres • Artificial and synthetic fibre manufacturing or treatment and cellulose nitrate, viscose fibre, cellophane, artificial rubber or other man-made textiles manufacture. |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Treatment or production of textiles using carbon disulphide |  | x |  | x | x | Textile manufacturing and processing with textile finishing work using a chemical treatment (carbon disulphide). |
| Type of use or activity  Textiles | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Wool scouring |  | x |  | x |  | Scouring and primary treatment of wool. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Bus depot |  | x |  | x |  | Depot for buses. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Depot for refuse collection vehicles |  | x |  | x |  | Depot for refuse collection vehicles. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Storage of bulk volatile organic compounds in quantities greater than 1,000 tonnes | x | x | x | x | x | Storage of bulk volatile organic compounds in quantities greater than 1,000 tonnes. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Storage of petroleum products and crude oil in tanks >2,000 tonnes capacity | x | x |  | x | x | Storage of petroleum products and crude oil in tanks with capacity greater than 2,000 tonnes. |
| Type of use or activity  Transport and storage | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Storage of wet-salted or unprocessed hides |  | x |  | x |  | Storing preserved (salted) raw stock to be later used for making leather. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Chemical or oil recycling | x |  |  | x | x | Waste liquid hydrocarbons, organic oils or chemicals are refined, purified, reformed, separated or processed. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Combustion, treatment or bio-reaction of waste to produce energy | x | x | x | x | x | Combustion, treatment or bio-reaction of waste to produce energy. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Composting and other organic materials recycling | x | x | x | x | x | Composting and other organic materials recycling, including:  • Outdoor uncovered, regularly turned windrows • Outdoor covered, turned windrows • Outdoor covered windrows with continuous aeration  • Enclosed windrows with odour control • In-vessel composting with odour control. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Hazardous waste storage or treatment | x | x | x | x | x | • Industrial liquid waste  • Premises on which hazardous liquid waste is treated • Incineration of biomedical, chemical, organic, plastic, rubber or wood waste  • Intractable waste, as specified, for burial   • Premises engaged in the storage of hazardous industrial waste prior to treatment. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Landfill | x | x | x | x | x | Landfill accepting putrescible, solid inert or hazardous waste, including: • Contaminated solid waste  • Special wastes • Fly ash  • Contaminated soil • Organic matter that is liable to putrefaction (rapid degradation by micro­organisms) including materials containing food, offal and animals. • Waste building or demolition material. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Other resource recovery or recycling operations |  | x | x | x |  | • Collecting, dismantling, treating, processing, storing, recycling, or selling used or surplus materials  • Advanced resource recovery technology facilities • Paper and metal recycling facilities  • Commercial and industrial materials recycling. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Soil conditioning or blending | x | x | x | x | x | Mixing or blending soils to improve physical qualities (e.g. fertiliser). |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Transfer station |  | x | x | x |  | Land used to collect, consolidate, temporarily store, sort or recover refuse, used or surplus materials before transfer for disposal, recycling or use elsewhere. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Used plastics treatment or processing |  | x |  | x |  | Recycling of plastic. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Waste tyre recycling and re-treading | x | x | x | x | x | • Premises on which used tyres are crumbed, granulated or shredded  • Manufacturing tyres from synthetic polymers and/or natural rubber, tyre repair materials and inner tubes  • Premises with more than 40 tonnes or 5,000 equivalent passenger units (EPUs) of waste tyres at any time. |
| Type of use or activity  Waste recycling and resource recovery | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Vehicle recycling or disposal |  | x | x |  |  | Recycling or disposal of vehicles and vehicle parts. |
| Type of use or activity  Water and wastewater | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Sewage treatment plant, exceeding a design or actual flow rate of 5,000 litres per day | x | x |  | x | x | • Sewage treatment plant operation • Vacuum/wastewater/sewage pumping station. |
| Type of use or activity  Water and wastewater | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Water treatment plant | x | x |  | x |  | • Desalination - premises at which salt is removed from water for potable or other uses that have a design capacity to process more than 1 ML/day feed water  • Raw water treatment |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Charcoal production |  | x | x | x |  | Wood, carbon material or coal is charred to produce a fuel or material of enriched carbon content. |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Joinery |  | x | x | x |  | Production of wooden furniture and household items such as doors, kitchen fittings, flooring and mouldings. |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Sawmill, wood products and furniture |  | x | x | x |  | • Timber (tree) milling  • Manufacturing softwood or hardwood wood chips • Manufacturing wood boards and sheets from reconstituted wood fibres such as wood chips, sawdust, wood shavings, slab wood or off-cuts • Wood-board manufacturing (including MDF plants) • Manufacturing furniture of wood or predominantly of wood. |
| Type of use or activity  Wood, wood products and furniture | Potential adverse impacts:  Hazardous air pollutants | Potential adverse impacts:  Noise | Potential adverse impacts:  Dust | Potential adverse impacts:  Odour | Potential adverse impacts:  Other risk e.g. loss of containment | Description of activity |
| Wood preservation plant |  | x | x | x | x | Timber treatment by chemical means, including chromated copper arsenate (CCA). |

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