

Revised list of activities for s21, NEM-AQA

RSA – Proposed Listed Activity Categories	Activities included
1. Combustion installations	<ul style="list-style-type: none"> • Coal, gas, biomass and liquid fuel combustion installations • Waste or recovered oil combustion
2. Petroleum industry	<ul style="list-style-type: none"> • Petrochemical production and petroleum refining (including bulk storage and handling of petroleum liquids and petroleum refinery wastewater systems) (UK – no thresholds; NSW – 2000tpa petrochemicals) • Natural gas reforming • Mineral oil refining • Refining of liquid fuels produced from coal or biomass gasification • Production of biofuels
3. Carbonisation and coal gasification	<ul style="list-style-type: none"> • Coal gasification • Refining or treatment of natural gas, producer gas or synthesis gas • Activities involving pyrolysis, carbonisation, distillation, liquefaction, partial oxidation or other heat treatment of coal, lignite, oil, other carbonaceous materials or mixtures incl. charcoal manufacture • Processing of the by-products of carbonisation and coal gasification, including tar and bitumen production, the treatment of gas liquor, desulphurisation of gases • Production of carbon black
4. Metallurgical industry	<ul style="list-style-type: none"> • Aluminium and aluminium alloys production • Iron and steel production • Copper smelters • Lead smelters • Zinc smelters. • Precious metals production and refining • Refractory metal production • Nickel processes • Cadmium processes • Vanadium processes • Silicon, magnesium, magnesium, arsenic, selenium, antimony, beryllium, chromium • Ferroalloy production (silicon, chromium, manganese, vanadium) • Ferrous metals (hot rolling) • Lead-acid battery manufacturing • Brass and Bronze Production Plants • The re-use or processing of metallurgical slag • Metal recovery processes from scrap • Hot-dip galvanising
5. Mineral processing industry	<ul style="list-style-type: none"> • Cement, lime , dolomite and magnesite production and/or bulk handling • Asbestos activities • Glass and glass fibre manufacturing • Ceramic production (tiles, bricks, refractory material,, stoneware, porcelain production by firing) • Coal processing/preparation plants) • Metallic mineral processing plants (crushing, screening, handling) • Non-metallic mineral processing plants (crushing, screening, handling) • Phosphate rock plants • Storage of coal and ore not on mines • Macadam preparation

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6. Organic chemical industry	<ul style="list-style-type: none"> • Organic chemical production including: <ul style="list-style-type: none"> ○ Hydrocarbons (incl. acetylene), ○ organic compounds containing oxygen, sulphur, nitrogen or phosphorus incl acetic, maleic or phthalic anhydride or their acids, carbon disulphide, pyridine, formaldehyde, acetaldehyde, acrolein and its derivatives, amines, ○ organometallic compounds (e.g. lead alkyls) ○ plastic materials (polymers, synthetic fibres, cellulose-based fibres) ○ synthetic rubbers ○ dyes and pigments ○ surface-active agents • Polymerising or co-polymerising any unsaturated hydrocarbon or vinyl chloride (>50tpd in aggregate - UK) • Use of toluene di-isocyanate or other di-isocyanate of comparable volatility or where partly polymerised • Flame bonding of polyurethane foams or polyurethane elastomers • Recovery or purifying of acrylic acid or any ester of acrylic acid • Tyre manufacture (>50 000 tpa - UK) • Storage of chemicals in bulk
7. Inorganic chemical industry	<ul style="list-style-type: none"> • Production of inorganic chemicals : <ul style="list-style-type: none"> ○ Gases (e.g. NH₃, HCl, HF, H₂S, SO_x, NO_x, Cl₂) ○ Acids (e.g. chromic acid, hydrofluoric acid, nitric acid, sulphuric acid, oleum) ○ Bases (e.g. ammonium hydroxide, sodium hydroxide) ○ Salts (e.g. ammonium chloride, sodium carbonate, fluorides, sulphites) ○ Metal oxides, metal carbonyls ○ Halogens or interhalogen compounds ○ Phosphorus and phosphate salts • Manufacturing activity involving the use of hydrogen cyanide or hydrogen sulphide • Manufacturing activity involving the use or recovery of: antimony, arsenic, beryllium, chromium, gallium, indium, lead, palladium, platinum, selenium, tellurium, thallium or their salts • Recovery of any compound of cadmium or mercury • Chemical fertilizer production • Calcium carbide production • Production of inorganic pigments • Bulk storage of chemicals • Explosives production
9. Incineration processes including hazardous waste	<ul style="list-style-type: none"> • Commercial and industrial waste incineration • Hospital/Medical/Infectious waste incineration • Municipal waste incineration
10. Wood products industry	<ul style="list-style-type: none"> • Paper, pulp and board manufacturing activities incl. by-product recovery. • Wood preservation processes using creosote or chlorinated phenols
11. Animal matter processing	<ul style="list-style-type: none"> • Tanning plants • Animal slaughter • Rendering plants - animal carcasses or waste disposing or recycling