

7. Prevention of Water Pollution

7.1. Drainage Survey and Plan

- a) Within six month of the date of issue of this modification a drainage plan shall be provided showing the catchment area, location, interception and destination of surface water drainage and collection facilities. Any facilities used for contaminated waters such as bund waters or washings shall be included. Drainage facilities used for clean surface water arisings shall be distinguished from those used for bund waters, washings or other potentially contaminated surface water arisings from site operations. An updated copy of this drawing shall be provided to the Environment Agency within 5 working days of any revision to the details shown.
- b) Within 6 months of the date of issue of this modification a survey shall be carried out to confirm the location and establish the condition of all surface water and contaminated surface water drains. A copy of the results of this survey shall be provided to the Environment Agency

7.2. Drainage Method Statement

Within one month of the date of issue of this modification, a drainage method statement shall be provided to the Environment Agency detailing the methods and facilities used for the collection and control of surface water and effluents prior to discharge. The inspection and maintenance procedures for these facilities shall be included. Subject to the written agreement of the Environment Agency, this method statement shall be incorporated into the Working Plan.

7.3. Inspection of Site Drainage Systems

- a) The site drainage and effluent systems shall be maintained to ensure the effective collection and control of surface water drainage and effluents.
- b) All drains and associated pits and sumps shall be maintained in sound condition to prevent leakage.
- c) All accumulations of sediments or sludges in the drainage systems shall be removed as necessary to ensure their continued effectiveness, and all drainage channels shall be kept clear of blockages.

7.4. Analysis of Surface Water Arisings

All surface waters arising shall be analysed at the point of collection prior to any permitted discharge to surface waters, and any necessary treatment or other remedial actions carried out prior to discharge. Written records shall be made of the results of the analysis, treatment and discharge of surface water arisings.

7.5. Effluent Discharges

No effluent shall be discharged to foul sewer unless an analysis of that effluent has been carried out to ensure that treatments are effective. A written record shall be made of the results of the analysis.

8. Environmental Controls

8.1. Containment of Wastes

All wastes shall be effectively contained within the containers, pipework and other facilities designed and constructed for this purpose, and shall not be permitted to cause contamination outside of these facilities on unprotected ground or of the water environment.

8.2. Contaminated Debris

No pipes, gloves, packaging or any other debris consisting of, or contaminated by, wastes handled at the site shall be permitted to be deposited outside of the drained impermeable surfaces provided for waste handling. Contaminated debris shall be suitably contained and removed promptly when the operation from which they arose has ceased so as to keep the site in a clean and tidy condition at all times.

8.3. Cleanliness of Vehicles

Effective measures shall be taken to ensure that mud, waste, debris or other materials are not deposited on the public highway by vehicles leaving the site.

8.4. Spillages and Leakages

- a) Any spillages or discovered leakages of waste shall be contained and/or removed, as soon as reasonably practical after the event or discovery, in an environmentally safe manner if necessary to prevent a risk to surface water, or unprotected ground, or an environmental hazard.
- b) Spillages and leakages shall be otherwise attended to without delay and in any event by the end of the working day to contain and remove the spillage in an environmentally safe manner.

8.5. Discharges

Not including wastes or effluents removed from the site by road vehicle, no water contaminated by wastes deposited at the site shall be permitted to discharge from the site except in accordance with the terms of a consent issued by North West Water Ltd or the Environment Agency.

8.6. Noise

The best practicable means shall be adopted at all times in the design, construction, silencing and maintenance of all plant and equipment operational on the site to prevent a detriment to the amenity of the area due to noise.

8.7. Fire

No waste shall be burnt on site. Any fire shall be regarded as an emergency and dealt with in accordance with emergency procedures.

8.8. Weather Station

Weather conditions including wind speed and direction shall be monitored and recorded in writing at intervals not exceeding 15 minutes during times when the site is operational.

9. Site Audit

9.1. Olfactory Check

An olfactory assessment, to ensure that best practicable means have been taken to prevent the perception of offensive smells or strong odours beyond the site boundary, shall be carried out not less frequently than daily. A written record shall be made of the results of these assessments and any actions taken.

9.2. Inspection of Below Ground Pits and Sumps

- a) All below ground pits and sumps used for wastes or water contaminated by wastes shall be inspected by a competent person using an appropriate method to ensure that they are in sound condition. The Environment Agency shall be notified in writing or by facsimile with at least 5 clear working days notice of the date and time of inspection to allow the attendance of an Officer of the Environment Agency. These inspections shall be carried out within 6 months of the date of this licence modification, and at a frequency not less than annually thereafter.
- b) A written record of each inspection shall be made and signed by the competent person including the method of examination, the results of inspection and any recommendations.
- c) Appropriate remedial action shall be taken to remedy any defect identified in a pit, and ensure the pit is maintained in sound condition. No pit shall be used unless it provides secure containment.

9.3. Inspection of Below Ground Pipes and Drains

- a) All below ground pipes and drains used for wastes or process effluents (excluding pipes which run through inspection channels) shall be inspected by a competent person using an appropriate method to ensure that they are in sound condition. The Environment Agency shall be notified in writing or by facsimile with at least 5 clear working days notice of the date and time of inspection to allow the attendance of an Officer of the Environment Agency. These inspections shall be carried out within 6 months of the date of this licence modification, and at a frequency not less than annually thereafter unless otherwise agreed in writing by the Environment Agency.
- b) A written record of each inspection shall be made and signed by the suitably qualified person including the method of examination, the results of inspection and any recommendations.
- c) Appropriate remedial action shall be taken to remedy any defect identified in a pipe or drain, and ensure the pipe or drain is maintained in sound condition. No pipe or drain shall be used unless it provides secure containment.

9.4. Tank Inspection

- a) All storage tanks and reaction vessels used for the storage or treatment of wastes or water contaminated by wastes shall be inspected by a competent person using an appropriate method to ensure that they are in sound condition, at the following frequencies unless otherwise agreed in writing with the Environment Agency:
 - i) All metal tanks and vessels shall be inspected at periods not exceeding 5 years since the previous inspection. Tanks which have not been inspected within the 5 years preceding the date of this modification shall be inspected within 12 months from the date of this modification to bring them into the 5 year inspection cycle. The tank shall be inspected after a shorter time period in accordance with any recommendation made as a result of an inspection.
 - ii) All glass reinforced plastic vessels and tanks shall be inspected in accordance with guidance note PM 75 from the Health and Safety Executive, published by HMSO. Tanks which have not previously been inspected within the recommended period shall be inspected within 12 months from the date of this modification.
- b) A written record of the results of each inspection and any recommendations shall be made and signed by the competent person with details of the inspection including the method of examination, the results of the inspection and any recommendations.
- c) Appropriate remedial action shall be taken to remedy any defect identified in a tank or vessel and ensure it is maintained in sound condition. No tank or vessel shall be used unless it provides secure containment.

FOOTNOTE

Nothing in this licence shall be permitted to compromise the overriding need to protect the Health and Safety of people. The operator is advised to pay due regard to the advice of the Health and Safety Executive

DEFINITIONS

ORGANOMETALLIC

For the purposes of this licence, 'Organometallic Compounds' shall mean organic compounds containing a direct covalent bond between the metal and a carbon atom. Simple ionic salts such as sodium acetate or metal EDTA compounds are thus excluded but Grignard reagents, metal alkyls, organotin halides etc. are included.

PACKAGE

For the purposes of this licence 'Package' shall mean the package in which wastes are carried and which is liable to be individually handled and includes both the contents and its packaging.

PACKAGING

For the purposes of this licence 'Packaging' shall mean the receptacle and any components, materials or wrappings associated with the receptacle for the purpose of enabling it to perform its containment function, but does not include a container, a skip, a pallet, a vehicle or other article of carriage equipment.

CONTAINER

For the purposes of this licence 'Container' shall mean an article of carriage equipment with an internal volume of not less than 1 cubic metres, but does not include an IBC, any packaging, a road tanker or a vehicle.

ENERGETIC AND SPONTANEOUSLY COMBUSTIBLE WASTES

For the purposes of this licence 'Energetic and spontaneously combustible wastes' shall mean substances as detailed in Health and Safety Executive guidance note HS(G) 131 available from HMSO.

10. ANNEX A: PERMITTED WASTE MANAGEMENT OPERATIONS

The following activities are permitted, subject to the terms and conditions of this licence.

KEEPING
Keeping of waste
CHEMICAL TREATMENTS
Neutralisation
pH adjustment
Chemical Reduction
Chemical Oxidation
Precipitation
Flocculation
Fixation
PCB Destruction
PHYSICAL OR PHYSICAL/CHEMICAL TREATMENTS
De-watering
Dissolving
Phase Separation
Blending
Bulking
Sorting
Shredding
Compaction
Centrifuging
Solidification
Washing/leaching
Decontamination
Heating/cooling
Adsorbtion
Absorbtion
Distillation
Hydrolysis
Repackaging

No other waste treatment operation is permitted, except in accordance with the written agreement of the Environment Agency.

11. ANNEX B: PERMITTED WASTE TYPES

GENERAL

- a) The only waste types permitted for treatment or keeping are shown in the table below, subject to the restrictions indicated in this Annex.
- b) All other waste types shall be excluded unless written agreement has been given in writing by the Environment Agency to accept that waste.
- c) Energetic and spontaneously combustible wastes shall not be kept or treated on site unless in accordance with environmentally safe procedures and a method statement agreed in writing by the Environment Agency and incorporated into the Working Plan.

WASTE EXCLUSIONS

Any exclusion or restriction on any waste or waste component shall override any category by which it might otherwise be permitted.

WASTE TABLE

WASTE TYPES	CODE	CONDITIONS
INORGANIC ACIDS:		
HYDROCHLORIC ACID	A10	
SULPHURIC ACID	A20	
NITRIC ACID	A30	
CHROMIC ACID	A40	
PHOSPHORIC ACID	A50	
HYDROFLUORIC ACID	A60	
HYDROBROMIC ACID	A90	
HYDRIODIC ACID	A90	
CHLORSULPHONIC ACID	A90	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
OTHER INORGANIC ACIDS	A90	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
ORGANIC ACIDS:		
ALIPHATIC ACIDS	B11	
AROMATIC ACIDS	B12	
ACID ANHYDRIDES	B13	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
ACIDS CONTAINING ANY HALOGEN ELEMENTS	B14	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
SULPHONIC ACIDS	B15	
OTHER ORGANIC ACIDS	B 19	

ANNEX B CONTINUED

WASTE TYPES	CODE	CONDITIONS
FILTER MATERIALS, CONTAMINATED RUBBISH AND TREATMENT SLUDGE:		
USED FILTER MATERIALS (INCLUDING CARBON, KIESELGUHR)	Q10	Permitted only where all chemical contamination is permitted within this Annex
CONTAMINATED RUBBISH (INCLUDING BAGS & SACKS)	Q20	
EMPTY USED PACKAGING	Q30	
INDUSTRIAL EFFLUENT TREATMENT SLUDGE	Q40	
CONTAMINATED SAND, SAWDUST, VERMICULITE, WATER AND OTHER SIMILAR INERT AND NON-HAZARDOUS MATERIAL	Q40	
FILTER CAKE	Q40	
INTERCEPTOR WASTES, TARS, PAINTS, DYES AND PIGMENTS:		
TANK CLEANING SLUDGE	R10	Permitted only where all chemical contamination is permitted within this annex.
INTERCEPTOR PIT WASTES	R20	
PRINTING INDUSTRY WASTES	R30	
DYESTUFFS WASTE	R40	
DISTILLATION RESIDUES	R50	Permitted only where all chemical contamination is permitted within this annex.
ACID TARS OR SLUDGES ARISING FROM THE REFINING OF PETROLEUM PRODUCTS USING OLEUM	R60	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan
TAR, PITCH, BITUMEN & ASPHALTS	R70	
PAINT/VARNISH	R80	
MISCELLANEOUS WASTES:		
BATTERIES	S90	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan
INCINERATOR ASH OR SLAG	S90	
PAPER SLUDGE	S90	
FOUNDRY SAND OR SLAG	S90	
CELLULOSE WASTES	S20	
TREATED TIMBER	S30	
SOAP AND DETERGENTS	S50	
CLINICAL WASTES	S90	Permitted only in association with laboratory wastes. Bulk loads not permitted. treatment on site not permitted.
FLUORESCENT TUBES AND LIGHT BULBS	S90	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan
PRESSURISED GAS CYLINDERS CONTAINING OR CONTAMINATED WITH :BUTANE, PROPANE, OXYGEN, AMMONIA, HYDROGEN SULPHIDE, CARBON DIOXIDE , NITROGEN, CFCS		
OTHER PRESSURISED GAS CYLINDERS		Storage permitted only in accordance with the written agreement of the Environment Agency. Treatment on site not permitted.
ANIMAL AND FOOD WASTES:		
ANIMAL PROCESSING WASTE	T10	
FOOD PROCESSING WASTES	T20	
GLUE WASTES	T30	

ANNEX B CONTINUED

WASTE TYPES	CODE	CONDITIONS
NITROGEN, SULPHUR, OR PHOSPHORUS-CONTAINING ORGANIC COMPOUNDS:		
AMINES AND AMIDES	K71	
NITRO COMPOUNDS	K72	
NITRILES	K73	Except fully polymerised treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan
ISOCYANATES	K74	Except fully polymerised treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan
OTHER ORGANO NITROGEN COMPOUNDS	K75	
ORGANOPHOSPHORUS COMPOUNDS	K76	
ORGANOSULPHUR COMPOUNDS	K77	
OXYGEN CONTAINING ORGANIC COMPOUNDS:		
ESTERS	K81	
ETHERS	K82	
ALDEHYDES AND KETONES	K83	
ALCOHOLS	K84	
PHTHALATES	K92	
POLYMERIC MATERIALS & PRECURSORS:		
PRODUCTS OF INCOMPLETE POLYMERISATION	L10	
FINISHED PRODUCTS AND MANUFACTURING SCRAPS	L20	
LATEX, LATEX/RUBBER SOLUTIONS/SUSPENSIONS	L40	
SYNTHETIC ADHESIVE WASTES	L50	
ION EXCHANGE RESIN WASTES	L60	
FUELS, OILS & GREASES:		
MINERAL OILS	M10	
KEROSENE & DERV	M20	
FUEL OIL	M30	
VEGETABLE AND OTHER OILS	M40	
OIL WATER MIXTURES	M50	
FATS WAXES AND GREASES	M60	
FINE CHEMICALS AND BIOCIDES:		
PHARMACEUTICALS AND COSMETIC PRODUCTS	N10	
PHARMACEUTICAL PRODUCTS IN RETAIL PACKAGES	N11	
PHARMACEUTICAL PRODUCTS IN BULK AND AND PRODUCTS IN BULK CONTAINERS	N13	
BIOCIDES	N20	
PESTICIDES	N21	
HERBICIDES	N22	
FUNGICIDES	N23	
LABORATORY CHEMICALS:		
LABORATORY CHEMICALS: ANY WASTE PERMITTED IN PACKAGES UP TO 5 LITRES CAPACITY ONLY	P 90	Storage only permitted except where treatment permitted for the specific waste type listed within this Annex.

ANNEX B CONTINUED

WASTE TYPES	CODE	CONDITIONS
INORGANIC ALKALIS:		
ALKALI METAL HYDROXIDES	C10	
ALKALI METAL OXIDES	C10	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
CALCIUM OR MAGNESIUM OXIDE	C12	
AMMONIUM HYDROXIDE	C90	
CARBONATES AND BICARBONATES	C90	
OTHER HYDROXIDES	C90	
TOXIC METALS AND THEIR INORGANIC COMPOUNDS:		
CADMIUM COMPOUNDS	D10	
MERCURY COMPOUNDS	D20	
LEAD	D30	
ARSENIC	D40	
COPPER	D91	
ZINC	D92	
BARIUM	D93	
THALLIUM	D94	
NICKEL	D95	
VANADIUM	D96	
SILVER	D97	
CHROMIUM	D98	
MISCELLANEOUS: COBALT, ANTIMONY, SELENIUM, PLATINUM, GOLD	D99	
OTHER TOXIC METALS	D99	Treatment only permitted where a method statement or concentration limit has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
NON TOXIC METALS AND THEIR INORGANIC COMPOUNDS:		
IRON, MANGANESE, TIN, TITANIUM, ALUMINIUM, MAGNESIUM, CALCIUM, SODIUM, POTASSIUM, LITHIUM, MOLYBDENUM AND OTHERS	E90	
AMMONIUM SALTS	E91	Unstable wastes only permitted in accordance with the written agreement of the Environment Agency
ELEMENTAL METALS:		
SODIUM AND POTASSIUM	F11	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
CADMIUM	F12	
MERCURY	F13	
MAGNESIUM	F15	
CALCIUM AND LITHIUM	F 90	
METAL OXIDES:		
METAL OXIDES	G10	

ANNEX B CONTINUED

WASTE TYPES	CODE	CONDITIONS
INORGANIC COMPOUNDS:		
SODIUM AND POTASSIUM CYANIDES	H11	Solid cyanide wastes storage only; treatment on site not permitted, except where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
SOLUBLE COMPLEX CYANIDES	H12	
FERRO AND FERRI CYANIDES	H13	
OTHER CYANIDES	H19	
SULPHIDES	H21	Treatment only permitted where a concentration limit or method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
SELENIDES, TELLURIDES AND ARSENIDES	H21	
HYPOCHLORITES AND CHLORITES	H31	
CHLORATES, PERCHLORATES, BROMATES, IODATES, PERIODATES, PERSULPHATES AND PERMANGANATES	H32	
PEROXIDES	H33	
CHROMATES	H41	
ARSENATES AND ARSENITES	H43	Treatment only permitted where a concentration limit or method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
CHLORIDES, FLUORIDES, BROMIDES, IODIDES, SULPHATES, SULPHITES, PHOSPHATES AND PHOSPHITES	H90	
CARBIDES	H91	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
BORATES	H92	
NITRATES	H93	
NITRITES	H94	
SILICATES	H90	
OTHER INORGANIC MATERIALS:		
ASBESTOS	J10	Treatment on site not permitted
SLAG/BOILER CLEANINGS	J20	
MINERAL PROCESSING WASTES	J30	
ORGANIC COMPOUNDS:		
HYDROCARBONS	K10	
ALIPHATIC HYDROCARBONS	K11	
AROMATIC HYDROCARBONS	K12	
PHENOLS, ANALOGUES AND DERIVATIVES	K20	
HALOGENATED PHENOLS	K21	
PEROXIDES	K30	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.
TRICHLOROETHYLENE	K41	
PERCHLOROETHYLENE	K42	
TRICHLOROETHANE	K43	
PCBS AND ANALOGUES	K51	
OTHER HALOGENATED HYDROCARBONS	K52	
ORGANO-METALLIC COMPOUNDS	K60	Treatment only permitted where a method statement has been agreed in writing by the Environment Agency and incorporated into the Working Plan.