Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6531/2021/1
Works approval holder	Controlled Waste Disposals Pty Ltd
ACN	163 120 803
Registered business address	Suite 1, 219 Canning Highway South Perth WA 6151
DWER file number	DER2018/001042-4 / APP-0026537
Duration	14/02/2022 to 13/08/2026
Date of issue	14/02/2022
Date of amendment	22 January 2025
Premises details	Controlled Waste Disposals 9 Cocos Drive, Bibra Lake WA 6163 Legal description - Lot 197 on Deposited Plan 17235 Certificate of Title Volume 1879 Folio 848

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed production capacity**
Category 61: Liquid waste facility	41,000 tonnes per year
Category 61A: Solid waste facility	5,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 22 January 2025, by:

Grace Heydon

Digitally signed by Grace Heydon
Date: 2025.01.22 10:50:53 +08'00'

MANAGER WASTE INDUSTRIES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Interpretation

In this works approval:

(a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;

(b) where any word or phrase is given a defined meaning as specified in Table 10, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;

(c) where tables are used in a condition, each row in a table constitutes a separate condition;

(d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:

  (i) if dated, refers to that particular version; and

  (ii) if not dated, refers to the latest version and therefore may be subject to change over time;

(e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and

(f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Construction phase

Infrastructure and equipment

1. The works approval holder must:

(a) construct and/or install the infrastructure and/or equipment;

(b) in accordance with the corresponding design and construction / installation requirements; and

(c) at the corresponding infrastructure location

as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Main building	- Constructed in accordance with Figure 2, Schedule 1. - Enclosed building with 4 x roller door access. - Concrete floor sealed with chemical resistant and oil resistant coatings. - 150 mm high concrete ramped bund sealed with chemical resistant and oil resistant coatings at all doorways. - All joints, cuts or incisions within the concrete floor and bund must be sealed with chemical resistant and oil resistant coatings. - Individually bunded areas for the acceptance, storage and treatment of waste as specified in Figure 2, Schedule 1.	As specified in Figure 2 of Schedule 1
2.	Tank farm	- Constructed in accordance with Figure 2, Schedule 1. - Comprise 11 tanks, totaling 690 kL in volume, for the storage of liquid waste, hydrocarbons and treated wastewater. - Located within concrete bunds with capacity to contain 110% of the largest tank. - The concrete bunds must be sealed with chemical resistant and oil resistant coatings. - All joints, cuts or incisions within the concrete bund must be sealed with chemical resistant and oil resistant coatings. - Tank-level monitoring must be installed within each tank. - Vents on the storage tanks to be connected to the air filtration specified in Row 5 of Table 1.	As specified in Figure 2 of Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
3.	Liquid treatment area	- Constructed in accordance with Figure 2, Schedule 1. - Located within the Main building specified in Row 1 of Table 1. - All waste acceptance, storage and treatment areas to comprise a concrete hardstand with concrete bunds and be sealed with chemical resistant and oil resistant coatings. - All joints, cuts or incisions within the concrete bund must be sealed with chemical resistant and oil resistant coatings - Comprise the following treatment infrastructure: • Electrocoagulation/electrowinning plant • Rotary screen, pH adjustment unit, sand filtering unit and recirculating oxygenation facilities • Dissolved air flotation (DAF) system. • Centrifuge • BOD reduction circuit, oxygenation and UV treatment tanks • Oxy/redox meter and oxidation circuit. • UV-ozone reactor • Reverse osmosis treatment unit • Oily water plate separator - The centrifuge must be enclosed within a noise insulated booth.	As specified in Figure 2 of Schedule 1
4.	Solid sorting treatment area	- Constructed in accordance with Figure 2, Schedule 1. - Located within the Main building specified in Row 1 of Table 1. - All waste acceptance, storage and treatment areas to comprise a concrete hardstand with concrete bunds and be sealed with chemical resistant and oil resistant coatings. - All joints, cuts or incisions on the concrete hardstand and concrete bunds must be sealed with chemical resistant and oil resistant coatings - Contain a solids belt press. - Comprise concrete panel walls, flooring and bunding over a sold metal plate floor with 10 kL containment.	As specified in Figure 2 of Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
5.	Air filtration unit	- Constructed in accordance with Figure 2, Schedule 1. - Located within the Main building specified in Row 1 of Table 1. - Comprise an activated carbon filter designed for a flow rate of 3000 m^3/hr. - Extraction hoods ducted to an activated carbon filter must be installed above the: • Bulk unload bay • Electrocoagulation/electrowinning unit and feed tank • oily water plate separator vessel • UV-ozone reactor vessel • DAF unit • Solid sorting treatment - Scrubbed air from the activated carbon filtration unit to exhaust via vents at roof level.	As specified in Figure 2 of Schedule 1
6.	External yard storage areas	- Constructed in accordance with Figure 2, Schedule 1. - All bituminous external waste storage areas must be coated with a trafficable, chemical resistant sealant for the purpose of reducing the permeability of the bitumen. - All joints, cuts or incisions within the bitumen must be sealed with chemical resistant and oil resistant coatings. - Located within bunded hardstand areas with capacity to contain at least 25% of the total waste volume stored in that area. - Graded to direct liquids towards a sealed drainage sump within the area. - Stormwater drains must not be located within any bunded waste storage areas. - Automatic shut-off valves must be installed within the stormwater network to ensure fire contaminated wastewater is contained in the event of a fire.	As specified in Figure 2 of Schedule 1

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 1; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:

(a) certification by a suitably qualified Civil or Structural Engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;

(b) verification of the integrity and intactness of all respective hardstand and bunding infrastructure must be included in the certification required by Condition 3(a);

(c) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1;

(d) photographic evidence of the installation of the infrastructure; and

(e) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Odour Management Plan

4. The works approval holder must develop and implement an odour management plan that:

(a) formalises the procedures, triggers and corrective actions to mitigate odour emissions proposed in *Works Approval Application – Supporting Information (Attachment 8), 9 November 2020, JBS&G Australia Pty Ltd (Ref: 57750/123,456 (Rev 0))*;

(b) includes complaints management procedures; and

(c) includes scheduled maintenance checks on the integrity and performance of infrastructure involved in activated carbon operation.

5. The works approval holder must submit the odour management plan required by condition 4 to the CEO prior to the commencement of environmental commissioning.

Environmental commissioning phase

Environmental commissioning requirements

6. The works approval holder may only commence environmental commissioning of an item of infrastructure listed in condition 8 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 2 of this works approval and the odour management plan has been submitted in accordance with condition 5.

7. During environmental commissioning, the works approval holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 2.

Table 2: Types of waste authorised to be accepted onto the premises

Waste type[1]	Waste Code	Rate at which waste is received	Acceptance specification
Category 61			

Waste resulting from the surface treatment of metals and plastics	A100	1 tonne during environmental commissioning	Tankered into the premises or delivered in intermediate bulk containers (IBC), drums or other containers
Acidic solutions or solids - Limited to Chromic acid, Hydrochloric acid, Mineral acids, Sulphuric acid, Sulfuric/hydrochloric acid mixtures (pH>3)	B100	1 tonne during environmental commissioning	
Bases - Limited to Alkaline cleaners, Ammonia, Calcium hydroxide, Caustic soda, Lime (pH<12)	C100	1 tonne during environmental commissioning	
Inorganic Chemicals	D151, D210, D211, D220, D221, D230, D300, D330	1 tonne during environmental commissioning	
Paints, resins, inks, and organic sludges	F100, F110	1 tonne during environmental commissioning	
Biological pesticides and mixed pesticide residue	H100	1 tonne during environmental commissioning	
Oils	J100, J120, J130, J160, J170, J180	1 tonne during environmental commissioning	
Food and beverage processing wastes	K200	1 tonne during environmental commissioning	
Industrial wash water	L100, L150	1 tonne during environmental commissioning	
Organic Chemicals - Limited to Non-halogenated organic chemicals, Surfactants and detergents	M130, M250	1 tonne during environmental commissioning	
Waste chemical substances arising from research and development or teaching activities and Waste from production or formulation of photographic chemicals or processing materials	T100, T120	1 tonne during environmental commissioning	
Soils and Sludge	N140, N160, N190, N205	1 tonne during environmental commissioning	
Category 61A			
Soils and Sludge	N100, N120	1 tonne during environmental commissioning	Tankered into the premises or delivered in intermediate bulk containers (IBC), drums or other containers

Drums containing liquid waste residue		1 tonne during environmental commissioning	Aerosol cans must not be accepted

Note 1: Additional requirements for the acceptance of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004.*

8. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 3 may only be carried out:

(a) in accordance with the corresponding commissioning requirements; and

(b) for the corresponding authorised commissioning duration.

Table 3: Environmental commissioning requirements

Infrastructure	Commissioning requirements	Authorised commissioning duration
Main building	Nil	For a period not exceeding 30 calendar days in aggregate.
Tank farm	- Commissioning to enable the tank, pipes, seals/connections, pumps and treatment systems to be tested to assess whether the system is hydraulically sound and flow rates and volumes maintained. - Each waste stream system to be tested and determined to be suitable. - Contaminated wastewater used during commissioning to be disposed of to a premises authorised for the acceptance of that waste or to sewer in accordance with the trade waste permit for the premises.	
Liquid treatment area	- Commissioning to enable the tank, pipes, seals/connections, pumps and treatment systems to be tested to assess whether the system is hydraulically sound and flow rates and volumes maintained. - Each waste stream system to be tested and determined to be suitable. - Contaminated wastewater used during commissioning to be disposed of to a premises authorised for the acceptance of that waste or to sewer in accordance with the trade waste permit for the premises. - Demonstrate treatment infrastructure operates according to manufacture specifications and demonstrate that treatment infrastructure treats wastewater to the premises' trade waste permit discharge requirements.	
Solid sorting treatment area	Nil	
Air filtration unit	- Testing of air flows to be carried out around extraction hoods (using smoke generator or handheld anemometer), around ducting joints (to check for leaks/ingress), and to determine pressure/flow rates in	

Infrastructure	Commissioning requirements	Authorised commissioning duration
	exhaust gases to determine air exchange rates/turnover calculations consistent with the manufacturer's specifications.	
External yard storage areas	Nil	

Monitoring during environmental commissioning

9. The works approval holder must monitor emissions during environmental commissioning in accordance with Table 4.

Table 4: Emissions monitoring during environmental commissioning

Infrastructure	Specification	Frequency
Air filtration unit	- Sampling of odorous air near the inlet side of the activated carbon filter and the exhaust air discharged from the filter. - The inlet and outlet samples to be taken at approximately the same time to allow removal efficiency performance to be calculated. - Olfactometric analysis of odour samples conducted by a NATA accredited laboratory for olfactometric analysis to determine odour concentrations. - Odour removal efficiency for each of the inlet/outlet sample sets of each of the two consecutive test days will be calculated using each individual odour concentration.	- At least four sets of tests during times when different waste streams are being treated and different waste treatment equipment is being used. - Each set of inlet/outlet samples to be taken at greater than 1-hour intervals to reflect the peak odour load.
	- Odour field assessments at the premises boundary using plume tracking methodology.	- At least four sets of tests (upstream and downstream of the activated carbon filter) during times when different waste streams are being treated and different waste treatment equipment is being used.

10. The works approval holder must record the results of all monitoring activity required by condition 9, including the type and volume of waste being treated at the time of monitoring, and the treatment processes being undertaken at the time of monitoring.

11. The works approval holder must submit to the CEO an Environmental Commissioning Report within 30 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 3.

12. The works approval holder must ensure the Environmental Commissioning Report required by condition 11 of this works approval includes the following:

(a) a summary of the environmental commissioning activities undertaken, including timeframes and the types and amount of waste processed;

(b) the emissions monitoring results recorded in accordance with condition 9;

(c) a summary of the environmental performance of each item of infrastructure or equipment as constructed or installed, which at minimum includes records detailing results of the:

(i) structural integrity tests

(ii) piping system pressure/leakage tests

(iii) wastewater treatment quality verification (in accordance with manufacturer specifications and the trade waste permit criteria);

(d) a review of the works approval holder's performance and compliance against the conditions of this works approval; and

(e) where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of this works approval, together with timeframes for implementing the proposed measures.

Time limited operations phase

Commencement and duration

13. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1:

(a) where the infrastructure does require commissioning, the Environmental Commissioning Report for that item of infrastructure as required by condition 11 has been submitted to the CEO; and

(b) the CEO has notified the works approval holder that the Environmental Compliance Report and the Environmental Commissioning Report for that item of infrastructure, as required by conditions 2 and 3 and conditions 11 and 12, meet the requirements of those conditions.

14. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1:

(a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 13 for that item of infrastructure; or

(b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in sub-provision (a).

Waste acceptance criteria

15. During time limited operations, the works approval holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 5.

Table 5: Types of waste authorised to be accepted onto the premises

Waste type[1]	Waste Code	Rate at which waste is received	Acceptance specification
Category 61			
Waste resulting from the surface treatment of metals and plastics	A100	500 tonnes during time limited	Tankered into the premises or

		operations	delivered in intermediate bulk containers (IBC), drums or other containers
Acidic solutions or solids - Limited to Chromic acid, Hydrochloric acid, Mineral acids, Sulphuric acid, Sulfuric/hydrochloric acid mixtures (pH>3)	B100	500 tonnes during time limited operations	
Bases - Limited to Alkaline cleaners, Ammonia, Calcium hydroxide, Caustic soda, Lime (pH<12)	C100	400 tonnes during time limited operations	
Inorganic Chemicals	D151, D210, D211, D220, D221, D230, D300, D330	3,250 tonnes during time limited operations	
Paints, resins, inks, and organic sludges	F100, F110	250 tonnes during time limited operations	
Biological pesticides and mixed pesticide residue	H100	25 tonnes during time limited operations	
Oils	J100, J120, J130, J160, J170, J180	6,150 tonnes during time limited operations	
Food and beverage processing wastes	K200	50 tonnes during time limited operations	
Industrial wash water	L100, L150	4,000 tonnes during time limited operations	
Organic Chemicals - Limited to Non-halogenated organic chemicals, Surfactants and detergents	M130, M250	450 tonnes during time limited operations	
Waste chemical substances arising from research and development or teaching activities and Waste from production or formulation of photographic chemicals or processing materials	T100, T120	95 tonnes during time limited operations	
Soils and Sludge	N140, N160, N190, N205	1,600 tonnes during time limited operations	
Category 61A			
Soils and Sludge	N100, N120	2,500 tonnes during environmental commissioning	Delivered in intermediate bulk containers (IBC), drums or other containers
Drums containing liquid waste residue			Aerosol cans must not be accepted

Note 1: Additional requirements for the acceptance of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004.*

Pre-acceptance verification – all waste types

16. Prior to the acceptance of any waste stream at the premises, the works approval holder must ensure that:

(a) information that adequately characterises the waste is obtained to ensure that it meets the waste acceptance criteria in condition 15; and

(b) a Suitably Qualified Chemist assesses the information obtained in accordance with sub-provision (a) above and determines whether the waste can be treated, solidified or stored at the premises to meet the requirements of this works approval.

Post-acceptance verification – liquid wastes

17. The works approval holder must ensure that, with the exception of oil waste types, all liquid waste streams post-acceptance are subject to verification testing by a Suitably Qualified Chemist upon arrival of each load to confirm that:

(a) the characteristics of each liquid waste stream corresponds with the details obtained in accordance with condition 16 for that waste; and

(b) the liquid waste stream is suitable for the proposed treatment, solidification and/or storage process determined in accordance with condition 16.

Labelling and waste description requirements

18. The works approval holder must ensure that all wastes accepted in containers (including those stored in IBC's) and other impermeable receptacles are:

(a) accompanied by a written description[1] of the contents and volume contained within each container;

(b) appropriately labelled[2,3] to match the written description required by sub-provision (a); and

(c) the written description required by sub-provision (a) must be made available to be produced to an inspector or the CEO as required.

Note 1: the written description must include details on the waste type and associated controlled waste code and must include (as an attachment) the associated safety data sheets (SDS) if the waste was derived from the use of potentially hazardous chemicals.

Note 2: labels must be computer printed and at least A5 size (114mm x 210mm).

Note 3: Additional labelling requirements may be required under the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007* (Western Australia) for wastes that are also considered dangerous goods.

19. The works approval holder must ensure that all wastes undergoing verification testing required by condition 17 are:

(a) held in a dedicated receipt area with the infrastructure specified in Row 3 of Table 1, pending confirmation of their acceptability; and

(b) stored in manner that ensures stored wastes are unable to mix.

20. The works approval holder must ensure that waste is not accepted onto the premises unless adequate treatment, solidification or storage capacity exists for that

waste and the site is adequately staffed to receive the waste to ensure the requirements of this works approval are met.

21. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 6 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 6.

Table 6: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	Main building	- Individually bunded areas for the acceptance, storage and treatment of waste as specified in Figure 2, Schedule 1. - All waste acceptance, storage and treatment areas to be concrete hardstand and concrete bunded, sealed with chemical resistant and oil resistant coatings. - All joints, cuts or incisions within the concrete floor and bund must be sealed with chemical resistant and oil resistant coatings.	As specified in Figure 2 of Schedule 1.
2.	Tank farm	- Comprise 11 tanks, totalling 690 kL in volume, for the storage of liquid waste, hydrocarbons and treated wastewater. - Located within concrete bunds with capacity to contain 110% of the largest tank. - The concrete bunds must be sealed with chemical resistant and oil resistant coatings. - All joints, cuts or incisions within the concrete bund must be sealed with chemical resistant and oil resistant coatings. - Tank-level monitoring must be operational for each tank. - Vents on the storage tanks to be connected to the air filtration specified in Row 5 of Table 1. - Must use closed hose couplings for tanker deliveries to the tank farm. - Tanker vents must be connected to tank during loading to create a closed loop.	As specified in Figure 2 of Schedule 1.
3.	Liquid treatment area	- All waste acceptance, storage and treatment areas to be concrete bunded and be sealed with chemical resistant and oil resistant coatings. - All joints, cuts or incisions within the concrete bund must be sealed with chemical resistant and oil resistant coatings. - Comprise the following treatment infrastructure: • Electrocoagulation/electrowinning plant	As specified in Figure 2 of Schedule 1.

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		• Rotary screen, pH adjustment unit, sand filtering unit and recirculating oxygenation facilities • Dissolved air flotation (DAF) system. • Centrifuge • BOD reduction circuit, oxygenation and UV treatment tanks • Oxy/redox meter and oxidation circuit. • UV-ozone reactor • Reverse osmosis treatment unit • Oily water plate separator - The centrifuge must be operated within a noise insulated booth.	
4.	Solid sorting treatment area	- All waste acceptance, storage and treatment areas to be concrete bunded and be sealed with chemical resistant and oil resistant coatings. - All joints, cuts or incisions within the concrete bund must be sealed with chemical resistant and oil resistant coatings. - Contain a solids belt press. - Comprise concrete panel walls, flooring and bunding over a sold metal plate floor with 10 kL containment.	As specified in Figure 2 of Schedule 1.
5.	Air filtration unit	- Comprise an activated carbon filter designed for a flow rate of 3000 m^3/hr. - Extraction hoods ducted to an activated carbon filter must be installed above the: • Bulk unload bay • Electrocoagulation/electrowinning unit and feed tank • oily water plate separator vessel • UV-ozone reactor vessel • DAF unit • Solid sorting treatment - Scrubbed air from the activated carbon filtration unit to exhaust via vents at roof level.	As specified in Figure 2 of Schedule 1.
6.	External yard storage areas	- All bituminous external waste storage areas must be coated with a trafficable, chemical resistant sealant for the purpose of reducing the permeability of the bitumen.	As specified in Figure 2 of Schedule 1.

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		- All joints, cuts or incisions within the bitumen must be sealed with chemical resistant and oil resistant coatings. - Located within bunded hardstand areas with capacity to contain at least 25% of the total waste volume stored in that area. - The bunded hardstand areas must be controlled such that the capacity of the bund is maintained at all times. - Graded to direct liquids towards a sealed drainage sump within the area. - Stormwater drains must not be located within any bunded waste storage areas. - Automatic shut-off valves must be maintained within the stormwater network to ensure fire contaminated wastewater is contained in the event of a fire.	

Waste processing

22. The works approval holder must ensure that:

(a) all wastes are only subjected to the corresponding process(es) in accordance with the corresponding process requirements set out Table 7; and

(b) wastes specified in Table 7, with the exception of oil waste types, are only subjected to the treatment, solidification and/or storage that has been verified to be suitable for that waste in accordance with conditions 17 and 18.

Table 7: Waste processing

Category	Waste Type	Waste Code	Process	Process requirements
61	Waste resulting from the surface treatment of metals and plastics	A100	- Receipt, handling, storage and physicochemical treatment prior to discharge to sewer or removal off-site to a facility authorised for the acceptance of such waste. - Residue from physicochemical treatment to be treated in the solid sorting treatment area	- Physicochemical treatment to only be undertaken by the infrastructure specified in Row 3 of Table 1. - Waste must be stored and treated in a manner that prevents incompatible wastes mixing. All containers with residual solid wastes must be stored within the
	Acidic solutions or solids - Limited to Chromic acid, Hydrochloric acid, Mineral acids, Sulphuric acid, Sulfuric/hydrochloric acid mixtures (pH>3)	B100		
	Bases - Limited to Alkaline cleaners, Ammonia, Calcium hydroxide, Caustic soda, Lime (pH<12)	C100		
	Inorganic Chemicals	D151, D210, D211, D220, D221,		

Category	Waste Type	Waste Code	Process	Process requirements
		D230, D300, D330	- Receipt, handling, storage and physicochemical treatment prior to discharge to sewer or removal off-site to a facility authorised for the acceptance of such waste. - Residue from physicochemical treatment to be treated in the solid sorting treatment area	infrastructure specified in Rows 4 or 6 of Table 1. - Physicochemical treatment to only be undertaken by the infrastructure specified in Row 3 of Table 1. - Waste must be stored and treated in a manner that prevents incompatible wastes mixing. All containers with residual solid wastes must be stored within the infrastructure specified in Rows 4 or 6 of Table 1.
	Paints, resins, inks, and organic sludges	F100, F110		
	Biological pesticides and mixed pesticide residue	H100		
	Oils	J100, J120, J130, J160, J170, J180		
	Food and beverage processing wastes	K200		
	Industrial wash water	L100, L150		
	Organic Chemicals - Limited to Non-halogenated organic chemicals, Surfactants and detergents	M130, M250		
	Sludge	N140, N160, N190, N205		
	Waste chemical substances arising from research and development or teaching activities and Waste from production or formulation of photographic chemicals or processing materials	T100, T120		
	Waste resulting from the surface treatment of metals and plastics	A100		
	Acidic solutions or solids - Limited to Chromic acid, Hydrochloric acid, Mineral acids, Sulphuric acid, Sulfuric/hydrochloric acid mixtures (pH>3)	B100		
	Bases - Limited to Alkaline cleaners, Ammonia, Calcium hydroxide, Caustic soda, Lime (pH<12)	C100		
	Inorganic Chemicals	D151, D210, D211, D220,		

Category	Waste Type	Waste Code	Process	Process requirements
		D221, D230, D300, D330		
	Paints, resins, inks, and organic sludges	F100, F110, F120, F130		
	Organic Solvents - Limited to Waste aviation fuel, Waste petrol, Acetone, Ethanol, Waste jet fuel, Waste kerosene	G100, G110		
61A	Containers, drums and contaminated soils	N100, N120	Receipt, handling, washing and storage prior to removal off-site to a facility authorised for the acceptance of such waste.	- All drums containing residual liquid wastes must only be decanted and washed within the infrastructure specified in Row 4 of Table 1 - Decanted and washed drums must be stored within the infrastructure specified in Row 6 of Table 1 prior to removal from the premises.
	Drums containing liquid waste residue			

23. The works approval holder must immediately recover, or remove and dispose of, any liquid resulting from spills or leaks of liquid waste, whether inside or outside of bunded areas.

24. The works approval holder must manage the removal of waste from the premises by:

(a) discharging liquid wastes to sewer via the trade waste permit discharge point in accordance with the trade waste permit for the premises;

(b) transfer of treated liquid wastes[1] to a premises authorised for the acceptance of that waste; or

(c) transfer of solid wastes to a premises authorised for the acceptance of that waste.

Note 1: Additional requirements for the transport of controlled waste are set out in the Environmental Protection (Controlled Waste) Regulations *2004.*

25. Prior to the transfer of solids wastes off-site specified in condition 24(c), the works approval holder must analyse the wastes:

(a) to determine the relevant concentration and leachate acceptance criteria for contaminants of concern as specified in the *Landfill Waste Classification and Waste Definitions 1996 (as amended 2019)*, to ensure that wastes are sent to

the correct landfill facility for disposal; or

(b) to determine the suitability for acceptance at other solid and/or liquid waste premises authorised for the acceptance of that waste type.

26. All sample analysis specified in Condition 25 must be undertaken by laboratories with current accreditation from the National Association of Testing Authorities (NATA) for the relevant parameters.

Monitoring during time limited operations

27. The works approval holder must record the total amount of waste accepted onto the premises, for each waste type listed in Table 8, in the corresponding unit, and for each corresponding time period, as set out in Table 8.

Table 8: Waste accepted onto the premises

Waste type	Unit	Time period
Waste types as specified in Table 5	m^3 and tonnes	Each load arriving at the premises.

28. The works approval holder must record the total amount of waste removed from the premises, for each waste type listed in Table 9, in the corresponding unit, and for each corresponding time period set out in Table 9.

Table 9: Waste removed from the premises

Waste type	Unit	Time period
Waste types as specified in Table 5	m^3 and tonnes	Each load leaving, or rejected from the premises.
Solid waste type as defined in the Landfill Definitions	m^3 and tonnes	Each load leaving, or rejected from the premises.
Treated wastewater discharge to sewer	L/hr or m^3/day	Continuous

Compliance reporting

29. The works approval holder must submit to the CEO a report on the time limited operations within 30 calendar days of the completion date of time limited operations or 90 calendar days before the expiration date of the works approval, whichever is the sooner.

30. The works approval holder must ensure the report required by condition 29 includes the following:

(a) a summary of the time limited operations, including timeframes and amount of waste processed;

(b) a summary of monitoring results obtained during time limited operations under conditions 27 and 28.

(c) a summary of the environmental performance of all infrastructure as constructed or installed;

(d) a review of performance and compliance against the conditions of the works approval and the Environmental Commissioning Report; and

(e) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

31. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:

(a) the name and contact details of the complainant, (if provided);

(b) the time and date of the complaint;

(c) the complete details of the complaint and any other concerns or other issues raised; and

(d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.

32. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:

(a) the works conducted in accordance with condition 1;

(b) any maintenance of infrastructure that is performed in the course of complying with condition 21;

(c) waste verification testing in accordance with condition 17;

(d) solid waste characterisation results obtained in accordance with condition 25 and 26

(e) monitoring programmes undertaken in accordance with conditions 9, 27 and 28; and

(f) complaints received under condition 31.

33. The books specified under condition 32 must:

(a) be legible;

(b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;

(c) be retained by the works approval holder for the duration of the works approval; and

(d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 10 have the meanings defined.

Table 10: Definitions

Term	Definition
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
characteristics	details of the type of waste and the process that produced the waste, physical appearance, colour, pH, presence, strength and description of odour, hazardous characteristics and constituent chemical analysis obtained through representative sampling and testing of the waste.
consolidation of liquid waste	consolidation is the act of combining hazardous wastes streams together to facilitate storage and transportation.
Controlled Waste Regulations	*Environmental Protection (Controlled Waste) Regulations 2004 (WA*).
dangerous goods	has the same meaning given to that term in the *Dangerous Goods Safety Act 2004.*
Department	means the department established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.

Term	Definition
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
IBC	Intermediate bulk containers for the handling, transport, and storage of wastes.
liquid waste stream	A liquid waste type from a particular source or multiple sources where those liquid wastes are produced by the same processes, have the same characteristics and the same contamination risk profile. Liquid waste stream does not include oil waste or waste accepted in containers smaller than an Intermediate Bulk Containers.
physicochemical treatment	means treatment of a waste to alter the physical and chemical properties of that waste.
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
safety data sheet	means a document that provides critical information about hazardous chemicals, including: • the chemical's identity and ingredients • health and physical hazards • safe handling and storage procedures • emergency procedures • disposal considerations.
Suitably Qualified Chemist	means a person who: (a) holds a Bachelor Degree in Chemistry; and (b) has a minimum of three years of experience working in the field of chemistry and in a related waste management and/or chemical processing field.
suitably qualified Civil or Structural Engineer	means a person who: (a) holds a Bachelor of Engineering recognised by the Institute of Engineers; and (b) has a minimum of five years of experience working in a supervisory area of civil or structural engineering; and (c) is employed by an independent third party external to the works approval holder's business;

Term	Definition
	or is otherwise approved in writing by the CEO to act in this capacity
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
trade waste permit	means Permit No: 65601 Trade Waste - Approval to Construct (effective from 08/02/2022), issued by the Water Corporation to Controlled Waste Disposals Pty Ltd.
waste	has the same meaning given to that term under the EP Act.
Waste Code	means the waste code assigned to the type of controlled waste for purposes of tracking and reporting as specified in the Department of Water and Environmental Regulation's 'Controlled Waste Category List' (May 2018), as amended from time to time.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

Figure 1: Map of the boundary of the prescribed premises

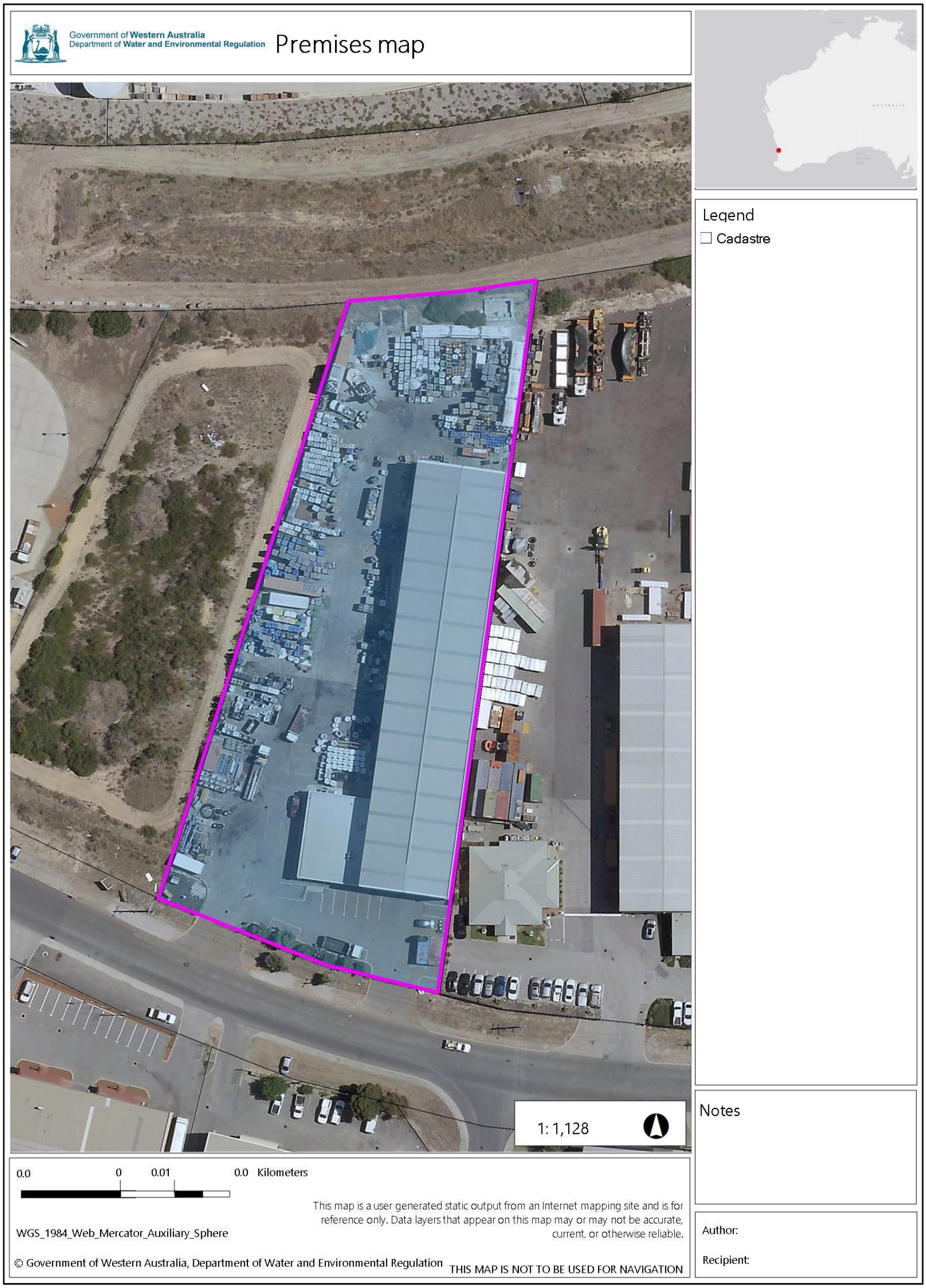

Figure 2: Proposed site plan