

# NuGrow Waste Acceptance Questionnaire

Doc ID	Version	Owner	Approver	Last Reviewed Date
HSEQ_NG_FRM_2.2_V1_NuGrow Waste Acceptance Questionnaire	1.1	HSEQ	Chief Commercial Officer	11/12/2024



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## Locations and Authorities

<a href="#">BUNDABERG EPP00666413</a>	<a href="#">GOLD COAST EPPR00626813</a>	<a href="#">IPSWICH EPPR00696713</a>	<a href="#">ROCKHAMPTON EPPR01322213</a>	<a href="#">WESTERN DOWNS EPPR03194415</a>
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### Conditions of Entry – General

NUGROW IS AUTHORISED TO RECYCLE, REPROCESS OR TREAT REGULATED, GENERAL WASTE AND CONTAMINATED SOILS UNDER AN ENVIRONMENTAL AUTHORITY AS FEEDSTOCK IN COMPOST AND SOIL CONDITIONER MANUFACTURING.

#### **UNDER NO CIRCUMSTANCES CAN NUGROW ACCEPT HAZARDOUS OR TOXIC MATERIALS SUCH AS:**

- Asbestos and asbestos containing materials;
- Clinical and related waste;
- Foundry sand generated from the casting of non-ferrous metals including brass, bronze, stainless steel or any other metal alloys, combination or alloys;
- Foundry waste materials including bag dusts, dross and slags;
- Municipal solid waste (excluding segregated compostable organic waste);
- Persistent organic pollutants including polychlorinated biphenyls (PCBs), poly fluorinated organic compounds and polyaromatic Hydrocarbons (PAHs);
- Quarantine waste;
- Waste treated by immobilisation or fixation;
- Waste contaminated with glass, metal, plastics (including rigid, light, flexible or film but excluding compostable plastic under AS4736) rubber and coatings;
- Waste containing restricted stimulation fluids; and
- Waste having any of the characteristics contained in List 2: Characteristics of controlled wastes, of Schedule A of the Movement of Controlled Waste NEPM (such as, being flammable or emitting flammable gases, liable to spontaneous combustion, oxidising, containing organic peroxides, poisonous, infectious, corrosive, toxic or giving off toxic gases or being ecotoxic).

**TO PREVENT CROSS CONTAMINATION, VEHICLES THAT PERFORM COMBINATION WORK MAY ONLY BE ACCEPTED IF THE CONTAINER HAS BEEN DECONTAMINATED BETWEEN LOADS.**

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## Conditions of Entry – Compost

### REGULATED WASTE FEEDSTOCK MUST COMPLY WITH THE FEEDSTOCK QUALITY LIMITS FOR THE QUALITY CHARACTERISTICS LISTED IN TABLE 1.

Tables 2 and 3 are provided to indicate the Australian Laboratory Services (ALS) Environmental Testing analysis codes associated with the required parameters to be analysed. ALS Environmental Testing is located at 2 Byth Street, Stafford, Brisbane QLD 4053. If you have a preferred supplier, please share this form with them to provide you a testing suite. A copy of the Certificate of Analysis must be provided to NuGrow for consideration.

**Table 1 - Quality Characteristic Limits**

Quality Characteristic	Feedstock quality limit	Unit (dry weight)	Limit type
Arsenic	80	mg/kg	Maximum
Barium	8000	mg/kg	Maximum
Boron	20	mg/kg	Maximum
Cadmium	4	mg/kg	Maximum
Chromium (Cr III)	400	mg/kg	Maximum
Chromium (Cr VI)	4	mg/kg	Maximum
Copper	600	mg/kg	Maximum
Lead	600	mg/kg	Maximum
Manganese	2000	mg/kg	Maximum
Mercury	4	mg/kg	Maximum
Molybdenum	40	mg/kg	Maximum
Nickel	240	mg/kg	Maximum
Selenium	20	mg/kg	Maximum
Silver	40	mg/kg	Maximum
Vanadium	400	mg/kg	Maximum
Zinc	1200	mg/kg	Maximum
Total Petroleum Hydrocarbons (TPH) C6 – C9	400	mg/kg	Maximum
Total Petroleum Hydrocarbons (TPH) C10 – C36	4000	mg/kg	Maximum
Benzene	4	mg/kg	Maximum
PAH <sup>1</sup>	80	mg/kg	Maximum
MAH <sup>2</sup>	28	mg/kg	Maximum
Chlorinated hydrocarbons <sup>3</sup>	4	mg/kg	Maximum
Phenols (non-halogenated) <sup>4</sup>	240	mg/kg	Maximum
Phenols (halogenated) <sup>5</sup>	4	mg/kg	Maximum
DDT/DDD/DDE <sup>6</sup>	2	mg/kg	Maximum
Aldrin <sup>6</sup>	0.02	mg/kg	Maximum

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Deildrin <sup>6</sup>	0.02	mg/kg	Maximum
Chlordane <sup>6</sup>	0.02	mg/kg	Maximum
Heptachlor <sup>6</sup>	0.02	mg/kg	Maximum
HCB <sup>6</sup>	0.02	mg/kg	Maximum
Lindane <sup>6</sup>	0.02	mg/kg	Maximum
BHC <sup>6</sup>	0.02	mg/kg	Maximum
PCB	Not detected <sup>7</sup>	Not applicable	Maximum
Organochlorine pesticides <sup>8</sup>	4	mg/kg	Maximum
TOF			

- <sup>1</sup> PAH means Polycyclic aromatic hydrocarbons means the total sum of naphthalene, acenaphthylene, acenaphthene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, fluorene, fluoranthene, indeno(1,2,3-c,d)pyrene, phenanthrene and pyrene.
- <sup>2</sup> MAH means Monocyclic aromatic hydrocarbons means the total sum of benzene, toluene, ethyl benzene, xylenes (includes ortho, para and meta xylenes) and styrene.
- <sup>3</sup> Chlorinated hydrocarbons means the total sum of carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichlorobenzene, 1,4dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethene, dichloromethane (methylene chloride), 1,1,1,2tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, tetrachloroethene, vinyl chloride and hexachlorobutadiene.
- <sup>4</sup> Non Halogenated Phenols equals the total sum of phenol, 2-methylphenol (o-cresol), 3-methylphenol (m-cresol), 4-methylphenol (pcresol), 2,4-dimethylphenol, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol, 2-nitrophenol, 4-nitrophenol, 2-cyclohexyl-4,6-dinitrophenol and dinoseb.
- <sup>5</sup> Halogenated Phenols equals the total sum of 4-chloro-3-methylphenol, 2-chlorophenol, 2,4-dichlorophenol, 2,6-dichlorophenol, pentachlorophenol, 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, 2,4,5-trichlorophenol, and 2,4,6trichlorophenol.
- <sup>6</sup> When tested in accordance with the methods detailed in Appendix D of AS4454
- <sup>7</sup> Detection limit must be no greater than 0.1 mg/kg
- <sup>8</sup> Organochlorine pesticides means the total sum of aldrin, hexachlorobenzene, alpha BHC, beta BHC, gamma BHC (lindane), delta BHC, chlordane, DDT, DDD, DDE, dieldrin, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, methoxychlor and endosulfan (includes endosulfan I, endosulfan II and endosulfan sulphate).

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## Conditions of Entry – Bioremediation

NUGROW ROCKHAMPTON IS THE ONLY NUGROW SITE THAT ACCEPTS THE FOLLOWING  
AUTHORISED FEEDSTOCKS UNDER AN ENVIRONMENTAL AUTHORITY FOR  
BIOREMEDIATION:

Regulated waste type	Treatment Process
Bilge waters contaminated solely with oils and oil emulsions	Bioremediation
Oil interceptor waste	Bioremediation
Waste waters contaminated solely with oils or oil emulsions	Bioremediation
Sludges, such as treatment tank sludges, contaminated solely with petroleum based or animal or vegetable oils or oily emulsions	Bioremediation
Contaminated soil type	Treatment process
Soils contaminated with one or more of the following contaminants: <ul style="list-style-type: none"> <li>- Hydrocarbons</li> <li>- Halogenated organic solvents</li> <li>- Halogenated organic compounds</li> <li>- Non-chlorinated pesticides and herbicides</li> <li>- Nitrogen compounds</li> <li>- Metals (lead, mercury, chromium)</li> </ul>	Bioremediation

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**Table 2 - Solids Feedstock Testing Codes**

MATRIX	TEST PARAMETER (mg/kg) based on dry weight	ALS Code
SOIL	Salinity - Total Soluble Salts	ED014
SOIL	IN-4S plus Exchangeable Cations and ECEC plus ESP *The CEC method used is determined based upon 1:5 pH and EC. If EC >300uS/cm pre-treatment to remove soluble salts is required.	AG-1
SOIL	Redox Potential	EA075 (1:5)
SOIL	Total Nitrogen and Total Phosphorus	NT-8S
SOIL	Chlorinated Hydrocarbons (CHC or VHC) Total sum of carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethene, dichloromethane (methylene chloride), 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, tetrachloroethene, vinyl chloride and hexachlorobutadiene. Monocyclic Aromatic Hydrocarbons (MAH) (14 analytes)	EP074
SOIL	Polychlorinated Biphenyls (PCB) - Standard level	EP131A
SOIL	Polycyclic aromatic hydrocarbons (PAH) - Total sum of naphthalene, acenaphthylene, acenaphthene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, fluorene, fluoranthene, indeno(1,2,3-c,d)pyrene, phenanthrene and pyrene. Phenols (halogenated) - Total sum of 4-chloro-3-methylphenol, 2-chlorophenol, 2,4-dichlorophenol, 2,6-dichlorophenol, pentachlorophenol, 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol.	EP075-EM
SOIL	Organochlorine pesticides (OC) - Total sum of aldrin, hexachlorobenzene, alpha BHC, beta BHC, gamma BHC (lindane), delta BHC, chlordane, DDT, DDD, DDE, dieldrin, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, methoxychlor and endosulfan (includes endosulfan I, endosulfan II and endosulfan sulphate). (20 analytes)	EP131B
SOIL	Metals	EG005T

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	Arsenic, Barium, Cadmium, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Vanadium, Zinc (note: must list all these metals on the COC)	
<b>SOIL</b>	Mercury	S-05 (EG035T)
<b>SOIL</b>	Chromium (Cr III)	EG049G-T
<b>SOIL</b>	Chromium (Cr VI)	EG048G-T
<b>SOIL</b>	Boron	EG020T
<b>SOIL</b>	Major Cations (Ca, Mg, Na, K)	NT-1S
<b>SOIL</b>	Phenols (non-halogenated) - Total sum of phenol, 2-methylphenol (o-cresol), 3-methylphenol (m-cresol), 4-methylphenol (p-cresol), 2,4-dimethylphenol, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol, 2-nitrophenol, 4-nitrophenol, 2-cyclohexyl-4,6-dinitrophenol and dinoseb.	EP132A
<b>SOIL</b>	Total Petroleum Hydrocarbons (TPH) C6-C9	S-05
<b>SOIL</b>	Total Petroleum Hydrocarbons (TPH) C10-C36	S-05 and EP071- SVSG
<b>SOIL</b>	PFAS – Total Oxidisable Precursor (TOP) Assay (28 analytes)	EP231X (TOP)
<b>SOIL</b>	PFAS – Full Suite (28 analytes)	EP231X- ALL (EB)

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**Table 3 - Liquid Feedstock Testing Codes**

MATRIX	TEST PARAMETER (mg/kg) based on dry weight	ALS Code
WATER	Surfactants - Anionic surfactants as MBAS	EP050
WATER	Surfactants - Non-ionic surfactants as CTAS	EP041P
WATER	pH Value	EA005P
WATER	Redox Potential	EA075
WATER	Total Petroleum Hydrocarbons (TPH) C6-C9	S-05
WATER	Total Petroleum Hydrocarbons (TPH) C10-C36	S-05 and EP071-SVSG
WATER	Metals - Arsenic, Barium, Cadmium, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Vanadium, Zinc (note: must list all these metals on the COC)	EG005T
WATER	Mercury	S-05 (EG035T)
WATER	Chromium (Cr III) Trivalent	EG049
WATER	Chromium (Cr VI) (note: This one needs to be filtered at 0.45µm prior to submission) Hexavalent	EG050
WATER	Boron	EG020T
WATER	Salinity - Marine	EA020-EC
WATER	Solids - Total Solids (TS)	EA030H
WATER	Major Cations (Ca, Mg, Na, K)	NT-1T
WATER	Total Nitrogen, TKN, NO <sub>x</sub> , and Total Phosphorus	NT-11
WATER	Phenols (non-halogenated) -	EP132A

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	Total sum of phenol, 2-methylphenol (o-cresol), 3-methylphenol (m-cresol), 4-methylphenol (p-cresol), 2,4-dimethylphenol, 2,4-dinitrophenol, 2-methyl-4,6-dinitrophenol, 2-nitrophenol, 4-nitrophenol, 2-cyclohexyl-4,6-dinitrophenol and dinoseb.	
<b>WATER</b>	<p>Polycyclic aromatic hydrocarbons (PAH) -</p> <p>Total sum of naphthalene, acenaphthylene, acenaphthene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, fluorene, fluoranthene, indeno(1,2,3-c,d)pyrene, phenanthrene and pyrene.</p> <p>Phenols (halogenated) -</p> <p>Total sum of 4-chloro-3-methylphenol, 2-chlorophenol, 2,4-dichlorophenol, 2,6-dichlorophenol, pentachlorophenol, 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol.</p>	EP075-EM
<b>WATER</b>	<p>Chlorinated Hydrocarbons (CHC) -</p> <p>Total sum of carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethene, dichloromethane (methylene chloride), 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, tetrachloroethene, vinyl chloride and hexachlorobutadiene.</p> <p>Monocyclic Aromatic Hydrocarbons (MAH) (14 analytes) -</p> <p>Total sum of benzene, toluene, ethyl benzene, xylenes (includes ortho, para and meta xylenes) and styrene. (8 analytes)</p>	EP074
<b>WATER</b>	Polychlorinated Biphenyls (PCB) - Standard level	EP066
<b>WATER</b>	<p>Organochlorine pesticides (OC) -</p> <p>Total sum of aldrin, hexachlorobenzene, alpha BHC, beta BHC, gamma BHC (lindane), delta BHC, chlordane, DDT, DDD, DDE, dieldrin, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, methoxychlor and endosulfan (includes endosulfan I, endosulfan II and endosulfan sulphate). (20 analytes)</p>	EP068A
<b>WATER</b>	PFAS – Total Oxidisable Precursor (TOP) Assay (28 analytes) – Low Level	EP231X-LL (TOP)
<b>WATER</b>	PFAS – Full Suite (30 analytes) – Low Level	EP231X-LL

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## Form 1 - NuGrow Waste Questionnaire

<u>Question</u>	<u>Example</u>	<u>Client Answer</u>
<b>Name of Generator</b>	ABC Waste Co.	
<b>Generator Contact Name</b>	Frank Smith	
<b>Generator Contact Number</b>	0412 345 678	
<b>Generator Industry</b>	Beverage Manufacturing	
<b>Waste Description</b>	Waste Soft Drink	
<b>How was the waste generated</b>	Expired soft drink requiring removal from storage tanks	
<b>Waste Code</b> <i>Note: refer to <a href="#">Schedule 11 of the Environmental Protection Regulation 2019</a></i>	K200	
<b>Volume or tonnage needed for recycling</b>	50,000L	
<b>What is the expected timeframe for disposal</b>	Within the next 2 weeks	
<b>Is this a once off project or ongoing</b>	Twice weekly and ongoing	
<b>Has the regulated waste feedstock been analysed by a National Association of Testing Authorities (NATA) accredited laboratory for the full suite of chemical components present (as listed above)?</b>	Yes/No If no, why? (acceptance of waste may not occur)	
<b>Do the laboratory results of the liquid regulated waste feedstock include results for Total Solids Content (mg/L)?</b>	Yes/No If no, acceptance of the waste cannot occur until results are determined on a dry weight basis.	
<b>Will the feedstock have a consistent composition or character at the time of delivery?</b>	Yes/No If no, why	

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<b>What are the intrinsic hazards potentially present in the regulated waste feedstock? Please indicate and describe below -</b>		
<b>Foreign matter</b>	Yes/No If no, why	
<b>Major chemical components</b>	Yes/No If no, why	
<b>Minor inorganic chemical components</b>	Yes/No If no, why	
<b>Minor organic chemical components</b>	Yes/No If no, why	
<b>Biological</b>	Yes/No If no, why	
<b>Are there any other processes at your facility which could potentially contaminate the regulated waste feedstock with toxic or hazardous substances?</b>	Yes/No If yes, please provide detail of the potential contaminant(s).	
<b>Are you able to provide a Safety Data Sheet (SDS) for the regulated waste feedstock? (include SDS of any additive present).</b>	Yes/No If no, why	
<b>Have you read the information on authorised and prohibited feedstock for the site? If yes, is there any reason you believe we might not be able to accept this feedstock?</b>	Yes/No If yes, why	
<b>Do you have any special measures which are implemented to handle or manage the feedstock?</b>	Yes/No If yes, what are they?	
<b>Is the feedstock particularly odorous?</b>	Yes/No If yes, why	

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## Declaration

*Please complete your details below and return to NuGrow before delivering new feedstock to our facility.*

I, \_\_\_\_\_ (name) of \_\_\_\_\_ (company) acknowledge that NuGrow does not accept contaminated loads, that NuGrow reserves the right to refuse a delivery when there is cause for doubt of the quality of the load, and that waste that has not been properly declared but has already been unloaded may be required to be removed at the transporting company's expense.

I have provided a completed Waste Acceptance Questionnaire and supporting documents for NuGrow's review and confirmation of approval.

Signature \_\_\_\_\_

Date \_\_\_\_\_

**Please note:** To ensure that we can provide you with the best service possible, we kindly request that you provide us with at least 48 hours' notice before your delivery date. This advance notice allows us to effectively manage and plan for your delivery, reducing the risk of delays or issues on the day of delivery.

We appreciate your understanding and cooperation in this matter.

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