

Notice

Environmental Protection Act 1994

Internal notification about a notifiable activity or hazardous contaminant

This is the template for use by departmental officers wishing to notify the Registry/Waste and Contaminated Land Assessment (WCLA) team about land which may require listing on the:

- 1. Environmental Management Register (EMR) under s.371 of the Environmental Protection Act 1994 (EP Act) due to:*
 - the land being contaminated or*
 - a notifiable activity being or having been carried out on the land.*

OR

- 2. The Contaminated Land Register (CLR) under s.372 of the EP Act due to the land being contaminated land and requiring remediation to prevent serious environmental harm.*

1. Officer(s) details

FULL NAME Yvette Morgan	
DES BRANCH AND BUSINESS UNIT ESR, WDSC	
PHONE 5626 6865	EMAIL Yvette.morgan@des.qld.gov.au
MANAGER'S NAME (WHO WILL SUBMIT THE NOTIFICATION VIA EMAIL) Eugene Immisch	

2. Details of land subject to the notification

The EMR and CLR are lot/plan based and do not not apply to waterways or road reserves.

STREET ADDRESS 95-103 Koplick Road Park Ridge
LOCAL/PROPERTY NAME – n/a
LOT ON PLAN 14 RP135029
LOCAL GOVERNMENT AUTHORITY Logan City Council

Internal notification about a notifiable activity or hazardous contaminant

3. Land owner

Do you have the landowner(s) details?

YES- Provide below.

NO

LOT/PLAN(S) OWNED Lot 14 Registered Plan 135029	
FULL NAME Gacrux Pty Ltd	TITLE
POSTAL ADDRESS 95-103 Koplick Road Park Ridge	POSTCODE 4125
PHONE Director – Sch4 - Personal inform; (6) Personal infor	
EMAIL sch4p4(6) Personal information (please note sch4p4(6) Personal information b4(6) Personal inform Mr Person also has a consultant acting on his behalf and so a copy may be emailed to Person Somerville Consultants h4p4(6) Personal informati	

4. Map, locality plan or GPS coordinates

Attach a map, locality plan or GPS coordinates of the location of the notifiable activity or hazardous contaminant on the subject land.

Map attached

Locality plan attached

GPS coordinates provided below

None available

Internal notification about a notifiable activity or hazardous contaminant



5. Notification

- A notifiable activity is being, or has been, carried out on the land → **complete questions 6 & 7**
- The land is contaminated → **complete questions 8 & 9**
- The land is contaminated and requires remediation to prevent serious environmental harm → **complete questions 8, 9 & 10**

6. Details of notifiable activity (See schedule 3 of the EP Act)

If providing notification of multiple notifiable activities, provide answers to each of the questions below for each notifiable activity. Additional information can be included as attachments.

Internal notification about a notifiable activity or hazardous contaminant

The details of multiple notifiable activities are attached.

Notifiable activity type (title and number and sub type (if applicable))

37 Waste storage, treatment or disposal—storing, treating, reprocessing or disposing of waste prescribed under a regulation to be regulated waste for this item (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50,000 persons having sludge drying beds or on-site disposal facilities.

When did the notifiable activity commence?

Unknown. Nearmaps imagery indicates the storage of tyres since at least 10 August 2017.

Is the notifiable activity still being carried out?

Yes

No

If no, when did the notifiable activity cease?

March 2021 – A fire occurred at the property causing all wastes (tyres and waste grease) to be burnt.

Specific details of the notifiable activity (i.e. type(s) of chemicals of dangerous goods being stored on the site, threshold)

Regulated wastes under schedule 9 EP Regulation:

41 oil and water mixtures or emulsions, or hydrocarbons and water mixtures or emulsions

63 tyres

Actual volume(s) (where applicable)

Waste grease: The volume stored was 24 pallets each containing four 44 gallon drums, totalling around 19,000L.

Tyres: Approximately 8,000 tyres (conservative estimate)

7. Mandatory supporting information about the notifiable activity

Examples of the types of evidence that could be provided include (but are not limited to):

- Any licences or approvals issued relevant to the activity being notified, for example licence or approvals under the EP Act or the Flammable and Combustible Liquids Regulation 1994.
- Evidence of relevant notifiable activities that are being or have been carried out on the land, e.g. business documentation outlining the activities being undertaken on the site or photographs of industrial activities.

Mandatory supporting information, including the titles of any attached documentation.

CAR [#8837651](#) and attachments therein

Direction notice assessment report [#9012300](#) and attachments therein

Photos from inspection undertaken on 11 November 2020 [#14763721](#)

8. Details of hazardous contaminant(s) affecting the land

petroleum hydrocarbons

Internal notification about a notifiable activity or hazardous contaminant

Total Petroleum Hydrocarbons (TPH):

Total Recoverable Hydrocarbons (TRH): exceeds ESL and HSL

- polycyclic aromatic hydrocarbons (PAHs)
- mono-aromatic hydrocarbons (e.g. BTEX)
- heavy metals and metalloids
- non-metallic inorganics e.g. cyanide, sulfate, nutrients, acids, alkalis, salinity
- ground gases - e.g. landfill gas, explosive gas mixtures
- light non-aqueous phase liquids (LNAPLs)
- solvents e.g. chlorinated solvents
- dense non-aqueous phase liquids (DNAPLs)
- volatile organic compounds
- semi-volatile organic compounds
- organochlorides, pesticides, organophosphate pesticides, and/or herbicides
- asbestos
- persistent organic pollutants (POPs)
- chemicals with persistent, bio-accumulative and toxic (PBT) characteristics
- chemicals listed under the Stockholm Convention (e.g. PCB, hexachlorobenzene, mirex, dioxins, DDT)
- per-fluorinated compounds (e.g. PFOS, PFOA, 6:2 FtS)

OTHER

Estimated Quantity if known:

9. Mandatory supporting information about the contaminated land

Outline why the land is contaminated and the evidence which supports the statement. Contaminated land is land affected by a hazardous contaminant. Officers will need to 'elementise' their evidence against the definition of hazardous contaminant.

Hazardous contaminant means a contaminant, other than an item of explosive ordnance, that, if improperly treated, stored, disposed of or otherwise managed, is likely to cause serious or material environmental harm because of—

- (a) *its quantity, concentration, acute or chronic toxic effects, carcinogenicity, teratogenicity, mutagenicity, corrosiveness, explosiveness, radioactivity or flammability; or*
- (b) *its physical, chemical or infectious characteristics*

For further guidance about the policy criteria for listing land on the EMR or CLR refer to the Guideline: *Listing and removing land on the land registers* (available at www.qld.gov.au using the publication number ESR/2016/1434 as a search term).

Evidence should include supporting documentation (e.g. copies of reports and test results) such as:

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- monitoring results of contaminants present and their concentrations and qualities, environmental media affected i.e. soil, soil vapour, groundwater, surface waters ,biota
- identify environmental values present, and standards exceeded i.e. NEPM/ EPP water to show environmental values are affected/potentially affected
- if any investigation of the nature and extent of contamination has been undertaken on the site, provide any related information
- details of any actions carried out under an EE or TEP

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Internal notification about a notifiable activity or hazardous contaminant

Mandatory supporting information about the land being affected by a hazardous contaminant, including the titles of any attached documentation.

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

[#14768560](#) – Analytical results of sampling undertaken on 23 March 2021.

Soil samples obtained on 23 March 2021 showed elevated levels of Zinc, further investigation is required to determine whether ESL or HSL are exceeded.

Soil samples obtained on 23 March 2021 showed elevated levels of petroleum hydrocarbons, particularly in the heavier fractions. A full analysis is provided in the tech support advice ([#14772459](#)).

The laboratory results have been assessed against nationally accepted soil investigation levels outlined in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013* (NEPM).

These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C16-C34 (F3) concentrations exceeding ESLs for *commercial/industrial* (1,700mg/kg) were reported SS2A (6020 mg/kg) and SS2B (6790 mg/kg).

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- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

Departmental Guidelines

The Department has a guideline (ESR/2016/2044 Guideline: Listing and Removing land on the land registers (des.qld.gov.au) that provides policy guidance on the criteria for the Department to list sites on the EMR.

Given the site's setting (surrounded by an emerging residential community), it is considered that the potential subdivision of the land for low density residential land use is the most sensitive land use setting that is reasonably foreseeable. Based on the interpretation outlined above, petroleum hydrocarbon levels at the site exceed both the *Health Screening levels for petroleum hydrocarbons compounds* and *management limits for petroleum hydrocarbons compounds*.

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10. CLR listing only- Further mandatory supporting information about the contaminated land requiring remediation to prevent serious environmental harm

Outline why the contaminated land requires remediation to prevent serious environmental harm and the evidence which supports the statement. Officers will need to 'elementise' their evidence against the definition of serious environmental harm in order to justify a listing on the CLR.

Serious environmental harm is:

Environmental harm (other than environmental nuisance)—

(a) that is irreversible, of a high impact or widespread; or

(b) caused to—

(i) an area of high conservation value; or

(ii) an area of special significance, such as the Great Barrier Reef World Heritage Area; or

(c) that causes actual or potential loss or damage to property of an amount of, or amounts totalling, more than \$50 000; or

(d) that results in costs of more than \$50 000 being incurred in taking appropriate action to—

(i) prevent or minimise the harm; and

(ii) rehabilitate or restore the environment to its condition before the harm.

Strong evidence is needed support the proposed listing, for example a site investigation report /environmental report.

Where possible officers should attach comments from the department's Technical Support team about the site investigation report/environmental report. For further information about technical support go to

<http://team:6002/ehp/esr/epc/iaos/tscr/SitePages/Technical%20Support.aspx>

Should the land be listed on the CLR, please be aware that further compliance action will likely be required to ensure the land is remediated to prevent serious environmental harm.

Mandatory supporting information about contaminated land requiring remediation to prevent serious environmental harm, including the titles of any attached documentation.

Internal notification about a notifiable activity or hazardous contaminant

Submitting this form:

Please ensure that the form and any attachments are forwarded by a Manager (or a higher position) to emr.clr.registry@des.qld.gov.au

Business process when the form is submitted

Notifications related to a notifiable activity will be actioned by the EMR/CLR registry team, who will issue a show cause notice to the land owner about the proposal to list the land on the EMR. The owner will have the opportunity to make representations before a final decision is made.

Notifications which involve a hazardous contaminant will be received by the EMR/CLR registry team and forwarded to the WCLA team for consideration. The WCLA team will look to establish whether there are adequate grounds to list the land on the EMR, or where applicable the CLR, based on the information provided. If so, the same process of issuing the show cause notice to the land owner is carried out before a final decision is made.

In cases where grounds cannot be established to list the land, WCLA will contact the manager who submitted the notification to discuss the site and the options available to try and address any risk of environmental harm or obtain further information about the status of contamination.

Access to the EMR/CLR

Officers who wish to gain access to the EMR/CLR can do so by completing the form 'Access to the EMR and CLR' (EM1453) which is available on STEPS. This form must also be scanned and emailed to emr.clr.registry@des.qld.gov.au.

Date : 31/03/2021 10:47:32 AM

From : "THOMAS Sally"

To : "JOHNS Allen"

Cc : "EMR CLR Registry"

Subject : FW: EMR notification - Gacrux site

Attachment : EDOCS-

14763519.DOCX.DRF;image001.png;image003.jpg;image004.jpg;image006.jpg;image002.jpg;image008.png;image009.png;

Hi Al,

Can you please assess this notification as a priority.

Jackie – can you please make its prioritisation high in the tracker when you add it in.

Thanks,

Sally

Sally Thomas

Team Leader

Waste Tracking and Contaminated Land Assessment

Waste Operations | Waste, Development & Southeast Compliance

Department of Environment and Science

Level 7, 400 George Street, Brisbane QLD 4000

GPO Box 2454, Brisbane QLD 4001



From: IMMISCH Eugene <Eugene.Immisch@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 10:45 AM

To: EMR CLR Registry

Cc: MORGAN Yvette; ESR - Gold Coast; THOMAS Sally

Subject: FW: EMR notification - Gacrux site

Importance: High

Hi EMR/CLR Registry,

Please see attached an internal notification related to a site located at 95-103 Koplick Road Park Ridge - 14 RP135029, concerning listing for a notifiable activity and hazardous contaminant.

The Compliance Centre is currently progressing a Clean Up Notice to effect clean up following a fire that occurred at the site involving drums containing grease and a large quantity of waste tyres on 18-19 March 2021.

In case the edocs link does not work the document number is #14763519.

Sally – if there is any opportunity to prioritise consideration of this matter it would be greatly appreciated.

Many thanks

Eugene



Eugene Immisch

Compliance Delivery Manager

Gold Coast, Logan, Scenic Rim and Redland

Waste, Development and Southeast Compliance

Environmental Services and Regulation

Department of Environment and Science

P 07 5626 6838

Level 1, APVC Building, 14 Edgewater Court, Robina 4226

PO Box 4244 Robina Town Centre QLD 4230



From: MORGAN Yvette <Yvette.Morgan@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 7:58 AM

To: IMMISCH Eugene

Subject: EMR notification - Gacrux site

Importance: High

Morning Eugene

Are you able to please review and submit the internal notification for Gacrux to EMR/CLR. My edocs is playing up on me this morning and I don't seem to be able to attach it to the email. The document number is #14763519. Please let me know if you have any issues opening and I will get in touch with edocs support.

The procedure states it needs to be forwarded by a manager or higher position.

Submitting this form:

Please ensure that the form and any attachments are forwarded by a Manager (or a higher position) to emr.clr.registry@des.qld.gov.au

Once you have submitted I will give Sally Thomas a call to request that the notification be prioritised. Given the length of their procedures, Ryan Allsopp has already contacted Sally to let her know that we need the site to be listed fairly soon and that we will be calling her. Once they send off their show cause the land owner is given 20 BD to respond before the listing can go ahead.

Thanks

Yvette

Yvette Morgan



Team Leader, Waste Levy Compliance
Environmental Services & Regulation | Waste, Development & Southeast Compliance
Department of Environment and Science

P 07 5626 6845
Level 1, 14 Edgewater Court Robina Q 4226
PO Box 4244 Robina Q 4230



I acknowledge Aboriginal and Torres Strait Islander people as the Traditional Owners of this country, and their connection to land, sea and community.
I pay my respect to all Traditional Owners, and to the Elders past, present and emerging.



Diversity and inclusion



Human Resources

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RTI Act 2009

Notice

Environmental Protection Act 1994

Internal notification about a notifiable activity or hazardous contaminant

This is the template for use by departmental officers wishing to notify the Registry/Waste and Contaminated Land Assessment (WCLA) team about land which may require listing on the:

1. Environmental Management Register (EMR) under s.371 of the Environmental Protection Act 1994 (EP Act) due to:
 - the land being contaminated **or**
 - a notifiable activity being or having been carried out on the land.

OR

2. The Contaminated Land Register (CLR) under s.372 of the EP Act due to the land being contaminated land and requiring remediation to prevent serious environmental harm.

1. Officer(s) details

FULL NAME Yvette Morgan	
DES BRANCH AND BUSINESS UNIT ESR, WDSC	
PHONE 5626 6865	EMAIL Yvette.morgan@des.qld.gov.au
MANAGER'S NAME (WHO WILL SUBMIT THE NOTIFICATION VIA EMAIL) Eugene Immisch	

2. Details of land subject to the notification

The EMR and CLR are lot/plan based and do not not apply to waterways or road reserves.

STREET ADDRESS 95-103 Koplick Road Park Ridge
LOCAL/PROPERTY NAME – n/a
LOT ON PLAN 14 RP135029
LOCAL GOVERNMENT AUTHORITY Logan City Council

Internal notification about a notifiable activity or hazardous contaminant

3. Land owner

Do you have the landowner(s) details?

YES- Provide below.

NO

LOT/PLAN(S) OWNED Lot 14 Registered Plan 135029	
FULL NAME Gacrux Pty Ltd	TITLE
POSTAL ADDRESS 95-103 Koplick Road Park Ridge	POSTCODE 4125
PHONE Director - Sch4 - Personal information (6) Personal information	
EMAIL sch4p4(6) Personal information (please note sch4p4(6) Personal information sch4(6) Personal information M - Personal information Iso has a consultant acting on his behalf and so a copy may be emailed to Person- Somerville Consultants sch4p4(6) Personal information	

4. Map, locality plan or GPS coordinates

Attach a map, locality plan or GPS coordinates of the location of the notifiable activity or hazardous contaminant on the subject land.

Map attached

Locality plan attached

GPS coordinates provided below

None available

Internal notification about a notifiable activity or hazardous contaminant



5. Notification

- A notifiable activity is being, or has been, carried out on the land → **complete questions 6 & 7**
- The land is contaminated → **complete questions 8 & 9**
- The land is contaminated and requires remediation to prevent serious environmental harm → **complete questions 8, 9 & 10**

6. Details of notifiable activity (See schedule 3 of the EP Act)

If providing notification of multiple notifiable activities, provide answers to each of the questions below for each notifiable activity. Additional information can be included as attachments.

Internal notification about a notifiable activity or hazardous contaminant

The details of multiple notifiable activities are attached.

Notifiable activity type (title and number and sub type (if applicable))

37 Waste storage, treatment or disposal—storing, treating, reprocessing or disposing of waste prescribed under a regulation to be regulated waste for this item (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50,000 persons having sludge drying beds or on-site disposal facilities.

When did the notifiable activity commence?

Unknown. Nearmaps imagery indicates the storage of tyres since at least 10 August 2017.

Is the notifiable activity still being carried out?

Yes

No

If no, when did the notifiable activity cease?

March 2021 – A fire occurred at the property causing all wastes (tyres and waste grease) to be burnt.

Specific details of the notifiable activity (i.e. type(s) of chemicals of dangerous goods being stored on the site, threshold)

Regulated wastes under schedule 9 EP Regulation:

41 oil and water mixtures or emulsions, or hydrocarbons and water mixtures or emulsions

63 tyres

Actual volume(s) (where applicable)

Waste grease: The volume stored was 24 pallets each containing four 44 gallon drums, totalling around 19,000L.

Tyres: Approximately 8,000 tyres (conservative estimate)

7. Mandatory supporting information about the notifiable activity

Examples of the types of evidence that could be provided include (but are not limited to):

- Any licences or approvals issued relevant to the activity being notified, for example licence or approvals under the EP Act or the Flammable and Combustible Liquids Regulation 1994.
- Evidence of relevant notifiable activities that are being or have been carried out on the land, e.g. business documentation outlining the activities being undertaken on the site or photographs of industrial activities.

Mandatory supporting information, including the titles of any attached documentation.

CAR [#8837651](#) and attachments therein

Direction notice assessment report [#9012300](#) and attachments therein

Photos from inspection undertaken on 11 November 2020 [#14763721](#)

8. Details of hazardous contaminant(s) affecting the land

petroleum hydrocarbons

Internal notification about a notifiable activity or hazardous contaminant

Total Petroleum Hydrocarbons (TPH):

Total Recoverable Hydrocarbons (TRH): exceeds ESL and HSL

- polycyclic aromatic hydrocarbons (PAHs)
- mono-aromatic hydrocarbons (e.g. BTEX)
- heavy metals and metalloids
- non-metallic inorganics e.g. cyanide, sulfate, nutrients, acids, alkalis, salinity
- ground gases - e.g. landfill gas, explosive gas mixtures
- light non-aqueous phase liquids (LNAPLs)
- solvents e.g. chlorinated solvents
- dense non-aqueous phase liquids (DNAPLs)
- volatile organic compounds
- semi-volatile organic compounds
- organochlorides, pesticides, organophosphate pesticides, and/or herbicides
- asbestos
- persistent organic pollutants (POPs)
- chemicals with persistent, bio-accumulative and toxic (PBT) characteristics
- chemicals listed under the Stockholm Convention (e.g. PCB, hexachlorobenzene, mirex, dioxins, DDT)
- per-fluorinated compounds (e.g. PFOS, PFOA, 6:2 FtS)

OTHER

Estimated Quantity if known:

9. Mandatory supporting information about the contaminated land

Outline why the land is contaminated and the evidence which supports the statement. Contaminated land is land affected by a hazardous contaminant. Officers will need to 'elementise' their evidence against the definition of hazardous contaminant.

Hazardous contaminant means a contaminant, other than an item of explosive ordnance, that, if improperly treated, stored, disposed of or otherwise managed, is likely to cause serious or material environmental harm because of—

- (a) *its quantity, concentration, acute or chronic toxic effects, carcinogenicity, teratogenicity, mutagenicity, corrosiveness, explosiveness, radioactivity or flammability; or*
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For further guidance about the policy criteria for listing land on the EMR or CLR refer to the Guideline: *Listing and removing land on the land registers* (available at www.qld.gov.au using the publication number ESR/2016/1434 as a search term).

Evidence should include supporting documentation (e.g. copies of reports and test results) such as:

Internal notification about a notifiable activity or hazardous contaminant

- monitoring results of contaminants present and their concentrations and qualities, environmental media affected i.e. soil, soil vapour, groundwater, surface waters ,biota
- identify environmental values present, and standards exceeded i.e. NEPM/ EPP water to show environmental values are affected/potentially affected
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Internal notification about a notifiable activity or hazardous contaminant

Mandatory supporting information about the land being affected by a hazardous contaminant, including the titles of any attached documentation.

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

[#14768560](#) – Analytical results of sampling undertaken on 23 March 2021.

Soil samples obtained on 23 March 2021 showed elevated levels of Zinc, further investigation is required to determine whether ESL or HSL are exceeded.

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These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
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- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
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Departmental Guidelines

The Department has a guideline (ESR/2016/2044 Guideline: Listing and Removing land on the land registers (des.qld.gov.au) that provides policy guidance on the criteria for the Department to list sites on the EMR.

Given the site's setting (surrounded by an emerging residential community), it is considered that the potential subdivision of the land for low density residential land use is the most sensitive land use setting that is reasonably foreseeable. Based on the interpretation outlined above, petroleum hydrocarbon levels at the site exceed both the *Health Screening levels for petroleum hydrocarbons compounds* and *management limits for petroleum hydrocarbons compounds*.

Internal notification about a notifiable activity or hazardous contaminant

10. CLR listing only- Further mandatory supporting information about the contaminated land requiring remediation to prevent serious environmental harm

Outline why the contaminated land requires remediation to prevent serious environmental harm and the evidence which supports the statement. Officers will need to 'elementise' their evidence against the definition of serious environmental harm in order to justify a listing on the CLR.

Serious environmental harm is:

Environmental harm (other than environmental nuisance)—

(a) that is irreversible, of a high impact or widespread; or

(b) caused to—

(i) an area of high conservation value; or

(ii) an area of special significance, such as the Great Barrier Reef World Heritage Area; or

(c) that causes actual or potential loss or damage to property of an amount of, or amounts totalling, more than \$50 000; or

(d) that results in costs of more than \$50 000 being incurred in taking appropriate action to—

(i) prevent or minimise the harm; and

(ii) rehabilitate or restore the environment to its condition before the harm.

Strong evidence is needed support the proposed listing, for example a site investigation report /environmental report.

Where possible officers should attach comments from the department's Technical Support team about the site investigation report/environmental report. For further information about technical support go to

<http://team:6002/ehp/esr/epc/iaos/tscr/SitePages/Technical%20Support.aspx>

Should the land be listed on the CLR, please be aware that further compliance action will likely be required to ensure the land is remediated to prevent serious environmental harm.

Mandatory supporting information about contaminated land requiring remediation to prevent serious environmental harm, including the titles of any attached documentation.

Internal notification about a notifiable activity or hazardous contaminant

Submitting this form:

Please ensure that the form and any attachments are forwarded by a Manager (or a higher position) to emr.clr.registry@des.qld.gov.au

Business process when the form is submitted

Notifications related to a notifiable activity will be actioned by the EMR/CLR registry team, who will issue a show cause notice to the land owner about the proposal to list the land on the EMR. The owner will have the opportunity to make representations before a final decision is made.

Notifications which involve a hazardous contaminant will be received by the EMR/CLR registry team and forwarded to the WCLA team for consideration. The WCLA team will look to establish whether there are adequate grounds to list the land on the EMR, or where applicable the CLR, based on the information provided. If so, the same process of issuing the show cause notice to the land owner is carried out before a final decision is made.

In cases where grounds cannot be established to list the land, WCLA will contact the manager who submitted the notification to discuss the site and the options available to try and address any risk of environmental harm or obtain further information about the status of contamination.

Access to the EMR/CLR

Officers who wish to gain access to the EMR/CLR can do so by completing the form 'Access to the EMR and CLR' (EM1453) which is available on STEPS. This form must also be scanned and emailed to emr.clr.registry@des.qld.gov.au.

Date : 1/04/2021 12:41:54 PM

From : "HENRY Ryan"

To : "IMMISCH Eugene" , "THOMAS Sally" , "EMR CLR Registry" , "JOHNS Allen" , "HARRIS Chad"

Cc : "SHERMAN Kathrin" , "MORGAN Yvette"

Subject : RE: EMR notification - Gacrux site

Attachment :

image001.png;image002.png;image004.png;image005.jpg;image006.jpg;image007.png;image008.png;image009.png;image011.jpg;image013.png;image014.png;image015.jpg;image017.jpg;

Hi Eugene,

I've spoken with Somerville Consultants - **Personal** today as the **sch4p4(6) Personal information** Somerville Consultants will inform the land owner that he will be sent a show cause notice for the proposed listing.

Personal also requested to be included in the email distribution of the show cause notice **erson** email address is: **(6) Personal infor**

Regards,



Ryan Henry
Senior Environmental Officer
Waste, Development and Southeast Compliance
Environmental Services and Regulation
Department of Environment and Science
Email: ryan.henry@des.qld.gov.au
Phone: 07 5626 6820
PO Box 4244 Robina Town Centre QLD 4230

From: IMMISCH Eugene <Eugene.Immisch@des.qld.gov.au>

Sent: Thursday, 1 April 2021 7:51 AM

To: THOMAS Sally; EMR CLR Registry; JOHNS Allen; HARRIS Chad

Cc: SHERMAN Kathrin; HENRY Ryan; MORGAN Yvette

Subject: RE: EMR notification - Gacrux site

Thanks Sal and team - greatly appreciated!

Ryan is going to speak with the landowner about the issuing of notice and intention to list.

Ryan can you please confirm with the team once this has been actioned.

Thankyou

Eugene



Eugene Immisch
Compliance Delivery Manager
Gold Coast, Logan, Scenic Rim and Redland
Waste, Development and Southeast Compliance
Environmental Services and Regulation
Department of Environment and Science
P 07 5626 6838
Level 1, APVC Building, 14 Edgewater Court, Robina 4226
PO Box 4244 Robina Town Centre QLD 4230



From: THOMAS Sally <Sally.Thomas@des.qld.gov.au>

Sent: Thursday, 1 April 2021 7:17 AM

To: EMR CLR Registry; JOHNS Allen; IMMISCH Eugene; HARRIS Chad

Cc: SHERMAN Kathrin

Subject: RE: EMR notification - Gacrux site

Morning All,

Jackie and Helena - Please see the attached AR for an urgent EMR listing. Can you please action this as soon as Eugene confirms that his team has spoken with the landowner regarding the issuing of the show cause notice.

Allen and Chad - thank you for turning this around so quickly yesterday.

Eugene - can you please confirm that the owner is aware that he will be sent a show cause notice for the proposed listing.

Thanks,

Sally

Sally Thomas

Team Leader

Waste Tracking and Contaminated Land Assessment
Waste Operations | Waste, Development & Southeast Compliance
Department of Environment and Science

Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001



From: HARRIS Chad <Chad.Harris@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 4:13 PM

To: THOMAS Sally

Cc: JOHNS Allen; EMR CLR Registry

Subject: RE: EMR notification - Gacrux site

Hi Sally,

Please find attached, the notification AR for the Gacrux site for your review and decision.

Cheers,



Chad Harris
Environmental Officer
Contaminated Land Assessment
Waste Operations | Waste, Development & Southeast Compliance
Department of Environment and Science
P (07) 3330 5573
Level 7, 400 George Street Brisbane Q 4000
PO Box 2554 GPO Brisbane Q

From: JOHNS Allen <Allen.Johns@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 3:57 PM

To: HARRIS Chad

Subject: FW: EMR notification - Gacrux site

Importance: High

Hi Round two address correct ta Al



Allen Johns
Team Leader
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science
P: 07 3330 5694
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: JOHNS Allen

Sent: Wednesday, 31 March 2021 3:49 PM

To: HARRIS Chad 20-445

Cc: EMR CLR Registry
Subject: FW: EMR notification - Gacrux site
Importance: High

Hi Chad,
Please see attached a urgent notification for review and sending to Sal ta Al



Allen Johns
Team Leader
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science
P: 07 3330 5694
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: THOMAS Sally <Sally.Thomas@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 10:48 AM

To: JOHNS Allen

Cc: EMR CLR Registry

Subject: FW: EMR notification - Gacrux site

Importance: High

Hi Al,

Can you please assess this notification as a priority.

Jackie – can you please make its prioritisation high in the tracker when you add it in.

Thanks,

Sally

Sally Thomas

Team Leader

Waste Tracking and Contaminated Land Assessment
Waste Operations | Waste, Development & Southeast Compliance
Department of Environment and Science

Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001



From: IMMISCH Eugene <Eugene.Immisch@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 10:45 AM

To: EMR CLR Registry

Cc: MORGAN Yvette; ESR - Gold Coast; THOMAS Sally

Subject: FW: EMR notification - Gacrux site

Importance: High

Hi EMR/CLR Registry,

Please see attached an internal notification related to a site located at 95-103 Koplick Road Park Ridge - 14 RP135029, concerning listing for a notifiable activity and hazardous contaminant.

The Compliance Centre is currently progressing a Clean Up Notice to effect clean up following a fire that occurred at the site involving drums containing grease and a large quantity of waste tyres on 18-19 March 2021.

In case the edocs link does not work the document number is #14763519.

Sally – if there is any opportunity to prioritise consideration of this matter it would be greatly appreciated.

Many thanks

Eugene



Eugene Immisch
Compliance Delivery Manager
Gold Coast, Logan, Scenic Rim and Redland
Waste, Development and Southeast Compliance
Environmental Services and Regulation
Department of Environment and Science
P 07 5626 6838
Level 1, APVC Building, 14 Edgewater Court, Robina 4226
PO Box 4244 Robina Town Centre QLD 4230



From: MORGAN Yvette <Yvette.Morgan@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 7:58 AM

To: IMMISCH Eugene

Subject: EMR notification - Gacrux site

Importance: High

Morning Eugene

Are you able to please review and submit the internal notification for Gacrux to EMR/CLR. My edocs is playing up on me this morning and I don't seem to be able to attach it to the email. The document number is #14763519. Please let me know if you have any issues opening and I will get in touch with edocs support.

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Submitting this form:

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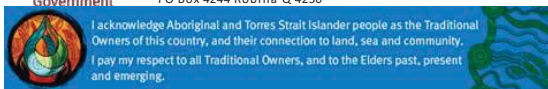
Once you have submitted I will give Sally Thomas a call to request that the notification be prioritised. Given the length of their procedures, Ryan Allsopp has already contacted Sally to let her know that we need the site to be listed fairly soon and that we will be calling her. Once they send off their show cause the land owner is given 20 BD to respond before the listing can go ahead.

Thanks

Yvette



Yvette Morgan
Team Leader, Waste Levy Compliance
Environmental Services & Regulation | Waste, Development & Southeast Compliance
Department of Environment and Science
P 07 5626 6845
Level 1, 14 Edgewater Court Robina Q 4226
PO Box 4244 Robina Q 4230



Date : 1/04/2021 7:16:54 AM

From : "THOMAS Sally"

To : "EMR CLR Registry" , "JOHNS Allen" , "IMMISCH Eugene" , "HARRIS Chad"

Cc : "SHERMAN Kathrin"

Subject : RE: EMR notification - Gacrux site

Attachment : EDOCS-#14777177-v1-Assessment_Report_NA_37__Haz_Contam

(002).pdf;image002.jpg;image003.png;image004.png;image006.png;image008.png;image009.jpg;image011.png;image012.jpg;image013.png;image015.jpg;image017.jpg;

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Allen and Chad – thank you for turning this around so quickly yesterday.

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Sally Thomas

Team Leader

Waste Tracking and Contaminated Land Assessment

Waste Operations | Waste, Development & Southeast Compliance

Department of Environment and Science

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Environmental Officer

Contaminated Land Assessment

Waste Operations | Waste, Development & Southeast

Compliance

Department of Environment and Science

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Allen Johns

Team Leader

Contaminated Land Assessment

Waste Operations Unit | Waste, Development & Southeast Compliance

Department of Environment and Science

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Level 7, 400 George Street, Brisbane QLD 4000

GPO Box 2454, Brisbane QLD 4001

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Sally

Sally Thomas
Team Leader

Waste Tracking and Contaminated Land Assessment
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Department of Environment and Science

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In case the edocs link does not work the document number is #14763519.
Sally – if there is any opportunity to prioritise consideration of this matter it would be greatly appreciated.
Many thanks
Eugene



Eugene Immisch
Compliance Delivery Manager
Gold Coast, Logan, Scenic Rim and Redland
Waste, Development and Southeast Compliance
Environmental Services and Regulation
[Department of Environment and Science](#)

P 07 5626 6838
Level 1, APVC Building, 14 Edgewater Court, Robina 4226
PO Box 4244 Robina Town Centre QLD 4230



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The procedure states it needs to be forwarded by a manager or higher position.

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Once you have submitted I will give Sally Thomas a call to request that the notification be prioritised. Given the length of their procedures,
20-445 File A Page 26 of 105

Ryan Allsopp has already contacted Sally to let her know that we need the site to be listed fairly soon and that we will be calling her. Once they send off their show cause the land owner is given 20 BD to respond before the listing can go ahead.

Thanks

Yvette



Yvette Morgan
Team Leader, Waste Levy Compliance
Environmental Services & Regulation | Waste, Development & Southeast Compliance
Department of Environment and Science

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Level 1, 14 Edgewater Court Robina Q 4226
PO Box 4244 Robina Q 4230



Published on DES Disclosure Log
RTI Act 2009

NOTIFICATION ASSESSMENT REPORT

Contaminated Land Assessment “hazardous contaminant”

This assessment report is for decisions made under s371(a) & (b) of the Environmental Protection Act 1994 (the Act).

1 Project Details:

Edocs No: 101/0036141
Address Details: 105 Koplick Rd, Park Ridge, QLD 4125
Real Property Description: Lot 43 on Pan SP165451 “the site”
Administration Requirement: s371 (a) & (b) of the EP Act- Gold Coast Compliance

2 Properly Made Submission Check:

<u>Item</u>	<u>Details</u>
Submission Information Received/Dated:	31/03/2021
Form Completed Correctly:	Yes – Internal notification Form
Lot on Plan listed on EMR/CLR:	No
Following reports/plans/evidence considered:	<ol style="list-style-type: none">1. Notification form.2. CAR #8837651 and attachments therein.3. Direction notice assessment report #9012300 and attachments therein.4. Photos from inspection undertaken on 11 November 2020 #14763721.5. #14768560 – Analytical results of sampling undertaken on 23 March 2021.6. A full analysis is provided in the tech support advice (#14772459).

Page 1 of 4•

Department of Environment and Science-(File Ref: Edocs 101/0034096), Doc No_Haz_Contam_03, Version: <01>, Review Date: <Dec 2018>

<G:\Environmental Services\Contaminated Land\Business Review\Business Document Review Master Folder\2.0_EMR_Documents>

Release

3 Administration Review

<p>The grounds for including the site in the Environmental Management Register under s371 (a) & (b) EP Act are detailed in the following table. Legislation references</p>	<p>Contaminated Land assessment</p>
<p>Section 371(a) & (b) Grounds for including land in environmental management register The administering authority may record particulars of land in the environmental management register at any time if the authority is satisfied— (a) a notifiable activity has been, or is being, carried out on the land; or (b) the land is contaminated land.</p> <p>Note: Sch 3 of the EP Act – Notifiable activity, includes item No. 37 – Waste storage, treatment or disposal – storing, treating, reprocessing or disposing of waste prescribed under a regulation to be regulated waste for this item (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50,000 persons having sludge drying beds or on-site disposal facilities.</p>	<p>The Department of Environment and Science has reviewed the following information provided under section 371(a) and is satisfied that a notifiable activity has been, or is being, carried out on the land based on the following facts presented:</p> <p>The site has been inspected (Edocs #8837651) by Gold Coast compliance and have found the site to contain stored regulated waste on the site being tyres. Photos from inspection undertaken on 11 November 2020 (edocs#14763721) shows the location of the tyres being stored.</p> <p>Elements of Offence (referenced form CAR #8837651):</p> <p><u>Person</u> As per section 32D of the <i>Acts Interpretation Act 1954</i>, in an Act, a reference to a person generally includes a reference to a corporation as well as an individual. As a registered company, Gacrux Pty. Ltd. is considered a 'person' for the purposes of the EP Act. (ASIC Search edocs #8977851).</p> <p><u>Carry out an ERA</u> ERA 62 consists of <i>operating a facility for receiving and sorting, dismantling, baling or temporarily storing waste before it is moved to a waste facility.</i></p> <p><u>S 13 Waste (1)</u> <i>Waste includes anything, other than an end of waste resource, that is— (a) left over, or an unwanted by-product, from an industrial, commercial, domestic or other activity; or</i></p> <p>The premises is currently storing a large volume of waste tyres and waste grease for removal to a waste facility at a later date. The land owner stated that the wastes were placed by an operator formerly leasing the shed at the premises, however the land owner now has sole responsibility for the land. In addition the landowner stated that the waste grease had been purchased by him.</p> <p>Evidence: Inspection photos – edocs #9008972 Inspection voice recording – edocs #9008968 Nearmaps images – edocs #8850283</p>

Guidance Notes – Notification Assessment

Sch 4 of the EP Act land includes—
(a) the airspace above land; and
(b) land that is, or is at any time, covered by waters; and
(c) waters.

Sch 4 of the EP Act Contaminated land means land contaminated by a hazardous contaminant”.

Sch 4 of the EP Act hazardous contaminant means a contaminant, other than an item of explosive ordnance, that, if improperly treated, stored, disposed of or otherwise managed, is likely to cause serious or material environmental harm because of—
(a) its quantity, concentration, acute or chronic toxic effects, carcinogenicity, teratogenicity, mutagenicity, corrosiveness, explosiveness, radioactivity or flammability; or
(b) its physical, chemical or infectious characteristics.

The Department of Environment and Science has reviewed the following information provided under section 371(b) and is satisfied that the land is contaminated with a presence of hazardous contaminant (asbestos) on the land based on the following facts taken from the internal notification:

Mandatory supporting information about the land being affected by a hazardous contaminant, including the titles of any attached documentation.

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

[#14768560](#) – Analytical results of sampling undertaken on 23 March 2021.

Soil samples obtained on 23 March 2021 showed elevated levels of Zinc, further investigation is required to determine whether ESL or HSL are exceeded.

Soil samples obtained on 23 March 2021 showed elevated levels of petroleum hydrocarbons, particularly in the heavier fractions. A full analysis is provided in the tech support advice ([#14772459](#)).

The laboratory results have been assessed against nationally accepted soil investigation levels outlined in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013* (NEPM).

These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Guidance Notes – Notification Assessment

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C16-C34 (F3) concentrations exceeding ESLs for *commercial/industrial* (1,700mg/kg) were reported SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

4 Delegate Decision

	<p>Recommendations for including land in the relevant land register under s371(a) & (b) of the Act.</p> <p><i>"If the administering authority proposes to record particulars of land in a relevant land register".</i></p>	
<p>Assessing Officer: Allen Johns (Team Leader)</p>	<p>Recommendation: <input checked="" type="checkbox"/> Recommend proposal to include particulars of the land (Lot 43 on Pan SP165451) in a relevant land register (EMR) for: Hazardous Contaminant and Notifiable activity item No. 37 – Waste storage, treatment or disposal.</p>	<p>Date: 31/03/2021</p> <p>4(6) Personal inform</p> <p>Signed</p>
<p>Reviewing Officer: Chad Harris (Environmental Officer)</p>	<p>Recommendation: <input checked="" type="checkbox"/> Agree to proposal to include particulars of the land (Lot 43 on Pan SP165451) in a relevant land register (EMR). <input type="checkbox"/> Disagree to proposal to include particulars of the land in a relevant land register (EMR)</p>	<p>Date 31/03/2021</p> <p>4p4(6) Personal informa</p> <p>Signed</p>
<p>Delegate Sally Thomas (Team Leader)</p>	<p>Decision: <input type="checkbox"/> Agree to proposal to include particulars of the land in a relevant land register (EMR) <input type="checkbox"/> Disagree to proposal to include particulars of the land in a relevant land register (EMR)</p>	<p>Date: 1 April 2021</p> <p>Signed</p> <p>4p4(6) Personal informati</p>

5 Process for including land in relevant land register and text to be included in the proposed show cause notices under s375 of the Act

NOTE: Advice to be added into notice for Haz Contam please see below.

~START OF ADVICE to be put into the notices~

ADVICE

About the Environmental Management Register.

Land contamination can occur as a result of poor environmental management and waste disposal practices or accidental spills in industrial, agricultural or mining activities. In some cases, land was contaminated in the past by activities now known to be hazardous. The Environmental Management Register (EMR) and the Contaminated Land Register (CLR) are public registers which contain information about contaminated land in Queensland. The EMR also contains information of land which is, or could potentially be, contaminated because it is being used for an activity which may cause contamination.

About the EMR

Land is listed on the EMR if certain types of activities (known as [notifiable activities](#)) have been, or are being, carried out on the land, or if the land is contaminated land. Contaminated land is land which is affected by a hazardous contaminant. When land is listed on the EMR for a notifiable activity, it is an indication that the land is likely to be contaminated but it does not mean it needs to be cleaned up or is not suitable for its current land use.

This will depend on the nature, extent and risks of any contamination on the land, which can be determined by [engaging a suitably qualified person](#) to carry out a site investigation. Where land is listed on the EMR because it is contaminated, details about the hazardous contaminant affecting the land will be included on the EMR as well as information about what land uses the land is suitable for. Where there is a site management plan in place to manage the contamination so it is suitable for a particular land use, the plan will also be attached to the EMR.

At any time the Department of Environment and Science may record land on the relevant land register under the *Environment Protection Act 1994 (EP Act)*, as a result of either a complaint about contamination or we may identify the contamination when we respond to a pollution incident or carry out a compliance action. Where there is sufficient evidence to warrant land being listed on the EMR or the CLR we issue a show cause notice to the landowner outlining the proposal and grounds for listing the land on the relevant land register.

Departmental Guidelines

The Department has a guideline ([ESR/2016/2044 Guideline: Listing and Removing land on the land registers \(des.qld.gov.au\)](https://www.des.qld.gov.au/epa/epa-guidelines/epa-guidelines-2016-2044-guideline-listing-and-removing-land-on-the-land-registers)) that provides policy guidance on the criteria for the Department to list sites on the EMR.

Notwithstanding the above information, in accordance with section 371(b) of the EP Act, the department is satisfied that a hazardous contaminant as mentioned under the EP Act is presented on (Lot 43 on Pan SP165451) **“the site”**.

Cont: Instructions for registrar to assist with registry and administration tasks

The Department of Environment and Science has reviewed the following information provided under section 371(b) and is satisfied that the land is contaminated with a presence of hazardous contaminant on the land based on the following facts taken from the internal notification:

Facts and circumstances:

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[edocs#14768560](#) – Analytical results of sampling undertaken on 23 March 2021.

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Soil samples obtained on 23 March 2021 showed elevated levels of petroleum hydrocarbons, particularly in the heavier fractions. A full analysis is provided in the tech support advice who has agreed the site should be listed as hazardous contaminant ([edocs#14772459](#)).

The laboratory results have been assessed against nationally accepted soil investigation levels outlined in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013 (NEPM)*.

These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

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NOTE: Advice to be added into notice for Notifiable activity, includes item No. 37 – Waste storage, treatment or disposal please see below.

~START OF ADVICE to be put into the notices~

ADVICE

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About the EMR

Land is listed on the EMR if certain types of activities (known as [notifiable activities](#)) have been, or are being, carried out on the land, or if the land is contaminated land. Contaminated land is land which is affected by a hazardous contaminant. When land is listed on the EMR for a notifiable activity, it is an indication that the land is likely to be contaminated but it does not mean it needs to be cleaned up or is not suitable for its current land use.

This will depend on the nature, extent and risks of any contamination on the land, which can be determined by [engaging a suitably qualified person](#) to carry out a site investigation. Where land is listed on the EMR because it is contaminated, details about the hazardous contaminant affecting the land will be included on the EMR as well as information about what land uses the land is suitable for. Where there is a site management plan in place to manage the contamination so it is suitable for a particular land use, the plan will also be attached to the EMR.

At any time the Department of Environment and Science may record land on the relevant land register under the *Environment Protection Act 1994 (EP Act)*, as a result of either a complaint about contamination or we may identify the contamination when

Guidance Notes – Notification Assessment

we respond to a pollution incident or carry out a compliance action. Where there is sufficient evidence to warrant land being listed on the EMR or the CLR we issue a show cause notice to the landowner outlining the proposal and grounds for listing the land on the relevant land register.

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Notwithstanding the above information, in accordance with section 371(a) of the EP Act, the department is satisfied that a Notifiable activity, includes item No. 37 – Waste storage, treatment or disposal as mentioned under the EP Act has been carried out on (Lot 43 on Pan SP165451) *“the site”*.

Cont: Instructions for registrar to assist with registry and administration tasks

Facts and circumstances:

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

The site has been inspected (Edocs #8837651) by Gold Coast compliance and have found the site to contain stored regulated waste on the site being tyres. Photos from inspection undertaken on 11 November 2020 (edocs#14763721) shows the location of the tyres being stored.

The storing of a regulated waste is classed as a Notifiable activity, includes item No. 37 – Waste storage under schedule 3 of the EP Act.

NOTIFICATION ASSESSMENT REPORT

Contaminated Land Assessment “hazardous contaminant”

This assessment report is for decisions made under s371(a) & (b) of the Environmental Protection Act 1994 (the Act).

1 Project Details:

Edocs No: 101/0036141
Address Details: 105 Koplick Rd, Park Ridge, QLD 4125
Real Property Description: Lot 43 on Pan SP165451 “the site”
Administration Requirement: s371 (a) & (b) of the EP Act- Gold Coast Compliance

2 Properly Made Submission Check:

<u>Item</u>	<u>Details</u>
Submission Information Received/Dated:	31/03/2021
Form Completed Correctly:	Yes – Internal notification Form
Lot on Plan listed on EMR/CLR:	No
Following reports/plans/evidence considered:	<ol style="list-style-type: none">1. Notification form.2. CAR #8837651 and attachments therein.3. Direction notice assessment report #9012300 and attachments therein.4. Photos from inspection undertaken on 11 November 2020 #14763721.5. #14768560 – Analytical results of sampling undertaken on 23 March 2021.6. A full analysis is provided in the tech support advice (#14772459).

Page 1 of 4•

Department of Environment and Science-(File Ref: Edocs 101/0034096), Doc No_Haz_Contam_03, Version: <01>, Review Date: <Dec 2018>

<G:\Environmental Services\Contaminated Land\Business Review\Business Document Review Master Folder\2.0_EMR_Documents>

3 Administration Review

<p>The grounds for including the site in the Environmental Management Register under s371 (a) & (b) EP Act are detailed in the following table. Legislation references</p>	<p>Contaminated Land assessment</p>
<p>Section 371(a) & (b) Grounds for including land in environmental management register The administering authority may record particulars of land in the environmental management register at any time if the authority is satisfied— (a) a notifiable activity has been, or is being, carried out on the land; or (b) the land is contaminated land.</p> <p>Note: Sch 3 of the EP Act – Notifiable activity, includes item No. 37 – Waste storage, treatment or disposal – storing, treating, reprocessing or disposing of waste prescribed under a regulation to be regulated waste for this item (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50,000 persons having sludge drying beds or on-site disposal facilities.</p>	<p>The Department of Environment and Science has reviewed the following information provided under section 371(a) and is satisfied that a notifiable activity has been, or is being, carried out on the land based on the following facts presented:</p> <p>The site has been inspected (Edocs #8837651) by Gold Coast compliance and have found the site to contain stored regulated waste on the site being tyres. Photos from inspection undertaken on 11 November 2020 (edocs#14763721) shows the location of the tyres being stored.</p> <p>Elements of Offence (referenced form CAR #8837651):</p> <p><u>Person</u> As per section 32D of the <i>Acts Interpretation Act 1954</i>, in an Act, a reference to a person generally includes a reference to a corporation as well as an individual. As a registered company, Gacrux Pty. Ltd. is considered a 'person' for the purposes of the EP Act. (ASIC Search edocs #8977851).</p> <p><u>Carry out an ERA</u> ERA 62 consists of <i>operating a facility for receiving and sorting, dismantling, baling or temporarily storing waste before it is moved to a waste facility.</i></p> <p><u>S 13 Waste (1)</u> <i>Waste includes anything, other than an end of waste resource, that is— (a) left over, or an unwanted by-product, from an industrial, commercial, domestic or other activity; or</i></p> <p>The premises is currently storing a large volume of waste tyres and waste grease for removal to a waste facility at a later date. The land owner stated that the wastes were placed by an operator formerly leasing the shed at the premises, however the land owner now has sole responsibility for the land. In addition the landowner stated that the waste grease had been purchased by him.</p> <p>Evidence: Inspection photos – edocs #9008972 Inspection voice recording – edocs #9008968 Nearmaps images – edocs #8850283</p>

Guidance Notes – Notification Assessment

Sch 4 of the EP Act land includes—
(a) the airspace above land; and
(b) land that is, or is at any time, covered by waters; and
(c) waters.

Sch 4 of the EP Act Contaminated land means land contaminated by a hazardous contaminant”.

Sch 4 of the EP Act hazardous contaminant means a contaminant, other than an item of explosive ordnance, that, if improperly treated, stored, disposed of or otherwise managed, is likely to cause serious or material environmental harm because of—
(a) its quantity, concentration, acute or chronic toxic effects, carcinogenicity, teratogenicity, mutagenicity, corrosiveness, explosiveness, radioactivity or flammability; or
(b) its physical, chemical or infectious characteristics.

The Department of Environment and Science has reviewed the following information provided under section 371(b) and is satisfied that the land is contaminated with a presence of hazardous contaminant (asbestos) on the land based on the following facts taken from the internal notification:

Mandatory supporting information about the land being affected by a hazardous contaminant, including the titles of any attached documentation.

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

[#14768560](#) – Analytical results of sampling undertaken on 23 March 2021.

Soil samples obtained on 23 March 2021 showed elevated levels of Zinc, further investigation is required to determine whether ESL or HSL are exceeded.

Soil samples obtained on 23 March 2021 showed elevated levels of petroleum hydrocarbons, particularly in the heavier fractions. A full analysis is provided in the tech support advice ([#14772459](#)).

The laboratory results have been assessed against nationally accepted soil investigation levels outlined in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013* (NEPM).

These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Guidance Notes – Notification Assessment

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

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- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
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4 Delegate Decision

	<p>Recommendations for including land in the relevant land register under s371(a) & (b) of the Act.</p> <p><i>"If the administering authority proposes to record particulars of land in a relevant land register".</i></p>	
<p>Assessing Officer: Allen Johns (Team Leader)</p>	<p>Recommendation: <input checked="" type="checkbox"/> Recommend proposal to include particulars of the land (Lot 43 on Pan SP165451) in a relevant land register (EMR) for: Hazardous Contaminant and Notifiable activity item No. 37 – Waste storage, treatment or disposal.</p>	<p>Date: 31/03/2021</p> <p>(6) Personal information</p> <p>Signed</p>
<p>Reviewing Officer: Chad Harris (Environmental Officer)</p>	<p>Recommendation: <input checked="" type="checkbox"/> Agree to proposal to include particulars of the land (Lot 43 on Pan SP165451) in a relevant land register (EMR). <input type="checkbox"/> Disagree to proposal to include particulars of the land in a relevant land register (EMR)</p>	<p>Date: 31/03/2021</p> <p>(6) Personal information</p> <p>Signed</p>
<p>Delegate Sally Thomas (Team Leader)</p>	<p>Decision: <input type="checkbox"/> Agree to proposal to include particulars of the land in a relevant land register (EMR) <input type="checkbox"/> Disagree to proposal to include particulars of the land in a relevant land register (EMR)</p>	<p>Date: 1 April 2021</p> <p>Signed</p> <p>(6) Personal information</p>

5 Process for including land in relevant land register and text to be included in the proposed show cause notices under s375 of the Act

NOTE: Advice to be added into notice for Haz Contam please see below.

~START OF ADVICE to be put into the notices~

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Guidance Notes – Notification Assessment

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The storing of a regulated waste is classed as a Notifiable activity, includes item No. 37 – Waste storage under schedule 3 of the EP Act.

Date : 6/04/2021 2:22:00 PM

From : "JOHNS Allen"

To : "EMR CLR Registry" , "THOMAS Sally"

Cc : "HARRIS Chad" , "SVALBE Helena"

Subject : RE: EMR notification - Gacrux site

Attachment :

image002.png;image003.png;image004.png;image005.jpg;image006.png;image008.png;image009.jpg;image011.png;image012.jpg;image013.png;image015.jpg;image017.jpg;

Hi EMR Team,

Yes, sorry admin error it's Lot 14 RP135029 to be listed , and not [Lot 43 SP165451](#) , please adjust accordingly thanks Al



Allen Johns
Team Leader
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5694
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: EMR CLR Registry <EMR.CLR.Registry@des.qld.gov.au>

Sent: Tuesday, 6 April 2021 2:18 PM

To: THOMAS Sally; JOHNS Allen

Cc: HARRIS Chad; EMR CLR Registry; SVALBE Helena

Subject: FW: EMR notification - Gacrux site

Importance: High

Hey guys

AR has Lot 43 SP165451 to be listed but the Notification was for Lot 14 RP135029.

Can you please confirm via email for our records that the **site we are listing with all information on this AR is Lot 14 RP135029 NOT Lot 43 SP165451**? An email response is sufficient for Registry to issue the SCN.

Also, Sally as the delegate can you confirm you agree with the recommendation to list Lot 14 RP135029 because you didn't tick box.

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: THOMAS Sally <Sally.Thomas@des.qld.gov.au>

Sent: Thursday, 1 April 2021 7:17 AM

To: EMR CLR Registry; JOHNS Allen; IMMISCH Eugene; HARRIS Chad

Cc: SHERMAN Kathrin

Subject: RE: EMR notification - Gacrux site

Morning All,

Jackie and Helena - Please see the attached AR for an urgent EMR listing. Can you please action this as soon as Eugene confirms that his team has spoken with the landowner regarding the issuing of the show cause notice.

Allen and Chad – thank you for turning this around so quickly yesterday.

Eugene – can you please confirm that the owner is aware that he will be sent a show cause notice for the proposed listing.

Thanks,

Sally

Sally Thomas

Team Leader

Waste Tracking and Contaminated Land Assessment
Waste Operations | Waste, Development & Southeast Compliance
Department of Environment and Science

Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001



From: HARRIS Chad <Chad.Harris@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 4:13 PM

To: THOMAS Sally

Cc: JOHNS Allen; EMR CLR Registry

Subject: RE: EMR notification - Gacrux site

Hi Sally,

Please find attached, the notification AR for the Gacrux site for your review and decision.

Cheers,



Chad Harris
Environmental Officer
Contaminated Land Assessment
Waste Operations | Waste, Development & Southeast Compliance
Department of Environment and Science

P (07) 3330 5573
Level 7, 400 George Street Brisbane Q 4000
PO Box 2554 GPO Brisbane Q

From: JOHNS Allen <Allen.Johns@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 3:57 PM

To: HARRIS Chad

Subject: FW: EMR notification - Gacrux site

Importance: High

Hi Round two address correct ta Al



Allen Johns
Team Leader
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5694
Level 7, 400 George Street, Brisbane QLD 4000

From: JOHNS Allen
Sent: Wednesday, 31 March 2021 3:49 PM
To: HARRIS Chad
Cc: EMR CLR Registry
Subject: FW: EMR notification - Gacrux site
Importance: High

Hi Chad,
 Please see attached a urgent notification for review and sending to Sal ta Al



Allen Johns
 Team Leader
 Contaminated Land Assessment
 Waste Operations Unit | Waste, Development & Southeast Compliance
 Department of Environment and Science

P: 07 3330 5694
 Level 7, 400 George Street, Brisbane QLD 4000
 GPO Box 2454, Brisbane QLD 4001

From: THOMAS Sally <Sally.Thomas@des.qld.gov.au>
Sent: Wednesday, 31 March 2021 10:48 AM
To: JOHNS Allen
Cc: EMR CLR Registry
Subject: FW: EMR notification - Gacrux site
Importance: High

Hi Al,
 Can you please assess this notification as a priority.
 Jackie – can you please make its prioritisation high in the tracker when you add it in.

Thanks,
 Sally

Sally Thomas
 Team Leader
 Waste Tracking and Contaminated Land Assessment
 Waste Operations | Waste, Development & Southeast Compliance
 Department of Environment and Science

Level 7, 400 George Street, Brisbane QLD 4000
 GPO Box 2454, Brisbane QLD 4001



From: IMMISCH Eugene <Eugene.Immisch@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 10:45 AM
To: EMR CLR Registry
Cc: MORGAN Yvette; ESR - Gold Coast; THOMAS Sally
Subject: FW: EMR notification - Gacrux site

Importance: High
 Hi EMR/CLR Registry,

Please see attached an internal notification related to a site located at 95-103 Koplick Road Park Ridge - 14 RP135029, concerning listing for a notifiable activity and hazardous contaminant.

The Compliance Centre is currently progressing a Clean Up Notice to effect clean up following a fire that occurred at the site involving drums containing grease and a large quantity of waste tyres on 18-19 March 2021.

In case the edocs link does not work the document number is #14763519.

Sally – if there is any opportunity to prioritise consideration of this matter it would be greatly appreciated.

Many thanks
 Eugene



Eugene Immisch
 Compliance Delivery Manager
 Gold Coast, Logan, Scenic Rim and Redland
 Waste, Development and Southeast Compliance
 Environmental Services and Regulation
 Department of Environment and Science

P 07 5626 6838
 Level 1, APVC Building, 14 Edgewater Court, Robina 4226
 PO Box 4244 Robina Town Centre QLD 4230



From: MORGAN Yvette <Yvette.Morgan@des.qld.gov.au>

Sent: Wednesday, 31 March 2021 7:58 AM
To: IMMISCH Eugene
Subject: EMR notification - Gacrux site

Importance: High
 Morning Eugene

Are you able to please review and submit the internal notification for Gacrux to EMR/CLR. My edocs is playing up on me this morning and I don't seem to be able to attach it to the email. The document number is #14763519. Please let me know if you have any issues opening and I will get in touch with edocs support.

The procedure states it needs to be forwarded by a manager or higher position.

Submitting this form:

Please ensure that the form and any attachments are forwarded by a Manager (or a higher position) to emr.clr.registry@des.qld.gov.au

Once you have submitted I will give Sally Thomas a call to request that the notification be prioritised. Given the length of their procedures, Ryan Allsopp has already contacted Sally to let her know that we need the site to be listed fairly soon and that we will be calling her. Once they send off their show cause the land owner is given 20 BD to respond before the listing can go ahead.

Thanks
 Yvette



Yvette Morgan
 Team Leader, Waste Levy Compliance
 Environmental Services & Regulation | Waste, Development & Southeast Compliance
 Department of Environment and Science

P 07 5626 6845
 Level 1, 14 Edgewater Court Robina Q 4226
 PO Box 4244 Robina Q 4230



I acknowledge Aboriginal and Torres Strait Islander people as the Traditional Owners of this country, and their connection to land, sea and community.
I pay my respect to all Traditional Owners, and to the Elders past, present and emerging.



Diversity and inclusion



Human Resources

Published on DES Disclosure Log
RTI Act 2009

Date : 7/04/2021 10:35:16 AM

From : "EMR CLR Registry"

To : "sch4p4(6) Personal information"

Cc : h4p4(6) Personal information, "EMR CLR Registry"

Subject : Show Cause Notice - Park Ridge

Attachment : CL 20210407 Lot14 RP135029 SCN Final.pdf;image001.png;image002.png;image004.png;

Good mornin - Personal

My apologies, I made a minor error with the spelling of the company name. Please disregard the Show Cause Notice issued earlier and replace with this new notice with the correct company name.

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: EMR CLR Registry <EMR.CLR.Registry@des.qld.gov.au>

Sent: Wednesday, 7 April 2021 9:22 AM

To: sch4p4(6) Personal information

Cc: h4p4(6) Personal information, EMR CLR Registry

Subject: Show Cause Notice - Park Ridge

Importance: High

Good mornin 4 - Personal ir

Attached Show Cause Notice for site – 95-103 Koplick Road, Park Ridge (Lot 14 RP135029). A hard copy has also been posted today.

Proposal to list sites for Notifiable Activity and Hazardous Contaminant on the Environmental Management Register (EMR).

The owner of the land may make a submission (attached form) about why particulars of the land should not be included on the EMR, please follow link below for further information. For any additional information please contact EMR.CLR.Registry@des.qld.gov.au.

[CONTAMINATED LAND](#)

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Email: EMR.CLR.Registry@des.qld.gov.au

07 April 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

GACRUX PTY LTD
95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

SHOW CAUSE NOTICE TO OWNER OF LAND - PROPOSAL TO INCLUDE PARTICULARS OF LAND ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 375 of the *Environmental Protection Act 1994* (EP Act) notice is given that particulars of the parcel of land described below are proposed for inclusion on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
Logan City Council

95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

About the Environmental Management Register.

Land contamination can occur as a result of poor environmental management and waste disposal practices or accidental spills in industrial, agricultural or mining activities. In some cases, land was contaminated in the past by activities now known to be hazardous. The Environmental Management Register (EMR) and the Contaminated Land Register (CLR) are public registers which contain information about contaminated land in Queensland. The EMR also contains information of land which is, or could potentially be, contaminated because it is being used for an activity which may cause contamination.

About the EMR

Land is listed on the EMR if certain types of activities (known as [notifiable activities](#)) have been, or are being, carried out on the land, or if the land is contaminated land. Contaminated land is land which is affected by a hazardous contaminant. When land is listed on the EMR for a notifiable activity, it is an indication that the land is likely to be contaminated but it does not mean it needs to be cleaned up or is not suitable for its current land use.

This will depend on the nature, extent and risks of any contamination on the land, which can be determined by [engaging a suitably qualified person](#) to carry out a site investigation. Where land is listed on the EMR because it is contaminated, details about the hazardous contaminant affecting the land will be included on the EMR as well as information about what land uses the land is suitable for. Where there is a site management plan in place to manage the contamination so it is suitable for a particular land use, the plan will also be attached to the EMR.

At any time the Department of Environment and Science may record land on the relevant land register under the *Environment Protection Act 1994* (EP Act), as a result of either a complaint about contamination or we may identify the contamination when we respond to a pollution incident or carry out a compliance action. Where there is sufficient evidence to warrant land being listed on the EMR or the CLR we issue a show cause notice to the landowner outlining the proposal and grounds for listing the land on the relevant land register.

Departmental Guidelines

The Department has a guideline ([ESR/2016/2044 Guideline: Listing and Removing land on the land registers \(des.qld.gov.au\)](#)) that provides policy guidance on the criteria for the Department to list sites on the EMR.

Notwithstanding the above information, in accordance with section 371(b) of the EP Act, the department is satisfied that a hazardous contaminant as mentioned under the EP Act is presented on (Lot 14 on Pan RP135029) “*the site*”.

The Department of Environment and Science has reviewed the following information provided under section 371(b) and is satisfied that the land is contaminated with a presence of hazardous contaminant on the land based on the following facts taken from the internal notification:

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Facts and circumstances:

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

Analytical results of sampling undertaken on 23 March 2021.

Soil samples obtained on 23 March 2021 showed elevated levels of Zinc, further investigation is required to determine whether ESL or HSL are exceeded.

Soil samples obtained on 23 March 2021 showed elevated levels of petroleum hydrocarbons, particularly in the heavier fractions. A full analysis is provided in the tech support advice who has agreed the site should be listed as hazardous contaminant (edocs#[14772459](#)).

The laboratory results have been assessed against nationally accepted soil investigation levels outlined in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013* (NEPM). These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C16-C34 (F3) concentrations exceeding ESLs for *commercial/industrial* (1,700mg/kg) were reported SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

Notwithstanding the above information, in accordance with section 371(a) of the EP Act, the department is satisfied that a Notifiable activity, includes item No. 37 – Waste storage, treatment or disposal as mentioned under the EP Act has been carried out on (Lot 14 on Pan RP135029) “*the site*”.

WASTE STORAGE, TREATMENT OR DISPOSAL - storing, treating, reprocessing or disposing of regulated waste (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50, 000 persons having sludge drying beds or on-site disposal facilities.

Facts and circumstances:

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

The site has been inspected (Edocs #8837651) by Gold Coast compliance and have found the site to contain stored regulated waste on the site being tyres. Photos from inspection undertaken on 11 November 2020 (edocs#14763721) shows the location of the tyres being stored.

The storing of a regulated waste is classed as a Notifiable activity, includes item No. 37 – Waste storage under schedule 3 of the EP Act.

If an investigation of the land has been conducted and DES holds a copy of a report prepared about the investigation, a copy of the report is attached.

As the owner of the land you may make a submission about why particulars of the land should not be included on the EMR. Submissions must be accompanied by a written declaration by the owner that the owner:

- (i) has not knowingly included any false or misleading information in the submission; and
- (ii) has given all relevant information to the authority.

Submissions must be received no later than 25 business days from the date of this notice.

After this date, if no submission has been received from the owner, particulars of the land will be recorded on the EMR. However, if you wish the particulars to be recorded earlier, you may advise in writing that you do not intend to make a submission.

With the issuing of this show cause notice under section 375, the following requirement applies under section 408 of the EP Act:

The owner must before agreeing to dispose of the land to someone else (the buyer), give written notice to the buyer stating that the land is the subject of a show cause notice under section 375.

For further information about contaminated land matters visit www.qld.gov.au, and search for "contaminated land".

ch4p4(6) Personal information

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994

Date : 20/04/2021 8:26:11 AM

From : "EMR CLR Registry"

To : Person Somerville Consultants"

Cc : "MORGAN Yvette", sch4p4(6) Personal information, Person Somerville Consultants", Person Somerville Consultants", Person Castrisos", "EMR CLR Registry"

Subject : RE: (SC Ref4272) RE: Show Cause Notice - Park Ridge

Attachment : Show Cause Notice - Park Ridge; Show Cause Notice - Park Ridge; image001.png; image003.png; image005.png; image007.png;

Good morning Person

The address we had on the notification as postal address is the one used to post the notice.

Please note, that I also emailed Show Cause Notice to both yourself and the Landowner (attached) on 7 April 2021. I sent two emails as I had the wrong spelling of the company name on the first Show Cause and re-issue it again with the correct company name.

I will note the landowner's correct address on the system today.

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From Person Somerville Consultants 4p4(6) Personal informat

Sent: Monday, 19 April 2021 5:10 PM

To: EMR CLR Registry

Cc: MORGAN Yvette; ch4p4(6) Personal information Person Somerville Consultants Person Somerville Consultants Person Castrisos

Subject: (SC Ref4272) RE: Show Cause Notice - Park Ridge

Dear Jackie,

We were handed the attached Show Cause Notice today by our client.

Our client informed us that he retrieved it from the address where the fire occurred.

Please advise us why the Show Cause Notice was mailed to the property that was burnt down.

This also has implications with regards to any required timeframes as it was sent to a vacant property.

Please be informed that our client's residential address is sch4p4(6) Personal information

If you have any queries, please do not hesitate to contact our office.

Regards

ch4 - Personal info

SOMERVILLE CONSULTANTS

Town Planners, Surveyors and Project Managers

P | PO Box 1198 Springwood 4127 Ph | 07 3423 2066 Mobile: 6) Personal info

O | Unit 6 & 7 2898-2900 Logan Road Underwood Qld 4127

E | 4p4(6) Personal informa

IMPORTANT NOTICE

The information contained in this document is CONFIDENTIAL and may also be LEGALLY PRIVILEGED, intended only for the addressee.

If you are not the addressee, you are hereby notified that any use or dissemination of the information and any copying of the document is strictly prohibited.

If you are not the addressee, please immediately notify us.

From: EMR CLR Registry <EMR.CLR.Registry@des.qld.gov.au>

Sent: Wednesday, 7 April 2021 10:35 AM

To: sch4p4(6) Personal information

Cc: Person Somerville Consultants 4p4(6) Personal informa; EMR CLR Registry <EMR.CLR.Registry@des.qld.gov.au>

Subject: Show Cause Notice - Park Ridge

Good morning - Personal

My apologies, I made a minor error with the spelling of the company name. Please disregard the Show Cause Notice issued earlier and replace with this new notice with the correct company name.

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

From: EMR CLR Registry <EMR.CLR.Registry@des.qld.gov.au>

Sent: Wednesday, 7 April 2021 9:22 AM

To: ch4p4(6) Personal information

Cc: 4p4(6) Personal informa EMR CLR Registry

Subject: Show Cause Notice - Park Ridge

Importance: High

Good morning - Personal

Attached Show Cause Notice for site - 95-103 Koplick Road, Park Ridge (Lot 14 RP135029). A hard copy has also been posted today.

20-445

File A

Page 52 of 105

Proposal to list sites for Notifiable Activity and Hazardous Contaminant on the Environmental Management Register (EMR). The owner of the land may make a submission (attached form) about why particulars of the land should not be included on the EMR, please follow link below for further information. For any additional information please contact EMR.CLR.Registry@des.qld.gov.au.

[CONTAMINATED LAND](#)

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001

The information in this email together with any attachments is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. There is no waiver of any confidentiality/privilege by your inadvertent receipt of this material. Any form of review, disclosure, modification, distribution and/or publication of this email message is prohibited, unless as a necessary part of Departmental business.

If you have received this message in error, you are asked to inform the sender as quickly as possible and delete this message and any copies of this message from your computer and/or your computer system network.

Date : 7/04/2021 10:35:16 AM
From : "EMR CLR Registry"
To : sch4p4(6) Personal informatior
Cc : p4(6) Personal informat "EMR CLR Registry"
Subject : Show Cause Notice - Park Ridge
Attachment : CL 20210407 Lot14 RP135029 SCN Final.pdf;image001.png;image002.png;image004.png;

Good morning Person

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Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

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[CONTAMINATED LAND](#)

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Email: EMR.CLR.Registry@des.qld.gov.au

07 April 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

GACRUX PTY LTD
95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

SHOW CAUSE NOTICE TO OWNER OF LAND - PROPOSAL TO INCLUDE PARTICULARS OF LAND ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 375 of the *Environmental Protection Act 1994* (EP Act) notice is given that particulars of the parcel of land described below are proposed for inclusion on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
Logan City Council

95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

About the Environmental Management Register.

Land contamination can occur as a result of poor environmental management and waste disposal practices or accidental spills in industrial, agricultural or mining activities. In some cases, land was contaminated in the past by activities now known to be hazardous. The Environmental Management Register (EMR) and the Contaminated Land Register (CLR) are public registers which contain information about contaminated land in Queensland. The EMR also contains information of land which is, or could potentially be, contaminated because it is being used for an activity which may cause contamination.

About the EMR

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This will depend on the nature, extent and risks of any contamination on the land, which can be determined by [engaging a suitably qualified person](#) to carry out a site investigation. Where land is listed on the EMR because it is contaminated, details about the hazardous contaminant affecting the land will be included on the EMR as well as information about what land uses the land is suitable for. Where there is a site management plan in place to manage the contamination so it is suitable for a particular land use, the plan will also be attached to the EMR.

At any time the Department of Environment and Science may record land on the relevant land register under the *Environment Protection Act 1994* (EP Act), as a result of either a complaint about contamination or we may identify the contamination when we respond to a pollution incident or carry out a compliance action. Where there is sufficient evidence to warrant land being listed on the EMR or the CLR we issue a show cause notice to the landowner outlining the proposal and grounds for listing the land on the relevant land register.

Departmental Guidelines

The Department has a guideline ([ESR/2016/2044 Guideline: Listing and Removing land on the land registers \(des.qld.gov.au\)](#)) that provides policy guidance on the criteria for the Department to list sites on the EMR.

Notwithstanding the above information, in accordance with section 371(b) of the EP Act, the department is satisfied that a hazardous contaminant as mentioned under the EP Act is presented on (Lot 14 on Pan RP135029) “*the site*”.

The Department of Environment and Science has reviewed the following information provided under section 371(b) and is satisfied that the land is contaminated with a presence of hazardous contaminant on the land based on the following facts taken from the internal notification:

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

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A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

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Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

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Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C16-C34 (F3) concentrations exceeding ESLs for *commercial/industrial* (1,700mg/kg) were reported SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

Notwithstanding the above information, in accordance with section 371(a) of the EP Act, the department is satisfied that a Notifiable activity, includes item No. 37 – Waste storage, treatment or disposal as mentioned under the EP Act has been carried out on (Lot 14 on Pan RP135029) “*the site*”.

WASTE STORAGE, TREATMENT OR DISPOSAL - storing, treating, reprocessing or disposing of regulated waste (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50, 000 persons having sludge drying beds or on-site disposal facilities.

Facts and circumstances:

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

The site has been inspected (Edocs #8837651) by Gold Coast compliance and have found the site to contain stored regulated waste on the site being tyres. Photos from inspection undertaken on 11 November 2020 (edocs#14763721) shows the location of the tyres being stored.

The storing of a regulated waste is classed as a Notifiable activity, includes item No. 37 – Waste storage under schedule 3 of the EP Act.

If an investigation of the land has been conducted and DES holds a copy of a report prepared about the investigation, a copy of the report is attached.

As the owner of the land you may make a submission about why particulars of the land should not be included on the EMR. Submissions must be accompanied by a written declaration by the owner that the owner:

- (i) has not knowingly included any false or misleading information in the submission; and
- (ii) has given all relevant information to the authority.

Submissions must be received no later than 25 business days from the date of this notice.

After this date, if no submission has been received from the owner, particulars of the land will be recorded on the EMR. However, if you wish the particulars to be recorded earlier, you may advise in writing that you do not intend to make a submission.

With the issuing of this show cause notice under section 375, the following requirement applies under section 408 of the EP Act:

The owner must before agreeing to dispose of the land to someone else (the buyer), give written notice to the buyer stating that the land is the subject of a show cause notice under section 375.

For further information about contaminated land matters visit www.qld.gov.au, and search for "contaminated land".

sch4p4(6) Personal information

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994

Date : 7/04/2021 9:22:10 AM
From : "EMR CLR Registry"
To : sch4p4(6) Personal information
Cc : n4p4(6) Personal information "EMR CLR Registry"
Subject : Show Cause Notice - Park Ridge
Attachment : CL 20210407 Lot14 RP135029 SCN
Final.pdf;EB2107839_0_COA.pdf;EB2107839_0_QC.pdf;EB2107839_0_QCI.pdf;EB2107839_0_XTAB.XLS;EB2107839_COC.pdf;1151256192_INV.pdf;cl-fm-land-owner-submission (1).docx;image001.png;image003.png;

Good morning [redacted] - Personal information

Attached Show Cause Notice for site – 95-103 Koplick Road, Park Ridge (Lot 14 RP135029). A hard copy has also been posted today. Proposal to list sites for Notifiable Activity and Hazardous Contaminant on the Environmental Management Register (EMR). The owner of the land may make a submission (attached form) about why particulars of the land should not be included on the EMR, please follow link below for further information. For any additional information please contact EMR.CLR.Registry@des.qld.gov.au.

[CONTAMINATED LAND](#)

Kind regards



Jackie Elia
Customer Service Officer - Registry
Contaminated Land Assessment
Waste Operations Unit | Waste, Development & Southeast Compliance
Department of Environment and Science

P: 07 3330 5644
Level 7, 400 George Street, Brisbane QLD 4000
GPO Box 2454, Brisbane QLD 4001



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Email: EMR.CLR.Registry@des.qld.gov.au

07 April 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

GACRUS PTY LTD
95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

SHOW CAUSE NOTICE TO OWNER OF LAND - PROPOSAL TO INCLUDE PARTICULARS OF LAND ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 375 of the *Environmental Protection Act 1994* (EP Act) notice is given that particulars of the parcel of land described below are proposed for inclusion on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
Logan City Council

95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

About the Environmental Management Register.

Land contamination can occur as a result of poor environmental management and waste disposal practices or accidental spills in industrial, agricultural or mining activities. In some cases, land was contaminated in the past by activities now known to be hazardous. The Environmental Management Register (EMR) and the Contaminated Land Register (CLR) are public registers which contain information about contaminated land in Queensland. The EMR also contains information of land which is, or could potentially be, contaminated because it is being used for an activity which may cause contamination.

About the EMR

Land is listed on the EMR if certain types of activities (known as [notifiable activities](#)) have been, or are being, carried out on the land, or if the land is contaminated land. Contaminated land is land which is affected by a hazardous contaminant. When land is listed on the EMR for a notifiable activity, it is an indication that the land is likely to be contaminated but it does not mean it needs to be cleaned up or is not suitable for its current land use.

This will depend on the nature, extent and risks of any contamination on the land, which can be determined by [engaging a suitably qualified person](#) to carry out a site investigation. Where land is listed on the EMR because it is contaminated, details about the hazardous contaminant affecting the land will be included on the EMR as well as information about what land uses the land is suitable for. Where there is a site management plan in place to manage the contamination so it is suitable for a particular land use, the plan will also be attached to the EMR.

At any time the Department of Environment and Science may record land on the relevant land register under the *Environment Protection Act 1994* (EP Act), as a result of either a complaint about contamination or we may identify the contamination when we respond to a pollution incident or carry out a compliance action. Where there is sufficient evidence to warrant land being listed on the EMR or the CLR we issue a show cause notice to the landowner outlining the proposal and grounds for listing the land on the relevant land register.

Departmental Guidelines

The Department has a guideline ([ESR/2016/2044 Guideline: Listing and Removing land on the land registers \(des.qld.gov.au\)](#)) that provides policy guidance on the criteria for the Department to list sites on the EMR.

Notwithstanding the above information, in accordance with section 371(b) of the EP Act, the department is satisfied that a hazardous contaminant as mentioned under the EP Act is presented on (Lot 14 on Pan RP135029) “*the site*”.

The Department of Environment and Science has reviewed the following information provided under section 371(b) and is satisfied that the land is contaminated with a presence of hazardous contaminant on the land based on the following facts taken from the internal notification:

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Facts and circumstances:

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

Analytical results of sampling undertaken on 23 March 2021.

Soil samples obtained on 23 March 2021 showed elevated levels of Zinc, further investigation is required to determine whether ESL or HSL are exceeded.

Soil samples obtained on 23 March 2021 showed elevated levels of petroleum hydrocarbons, particularly in the heavier fractions. A full analysis is provided in the tech support advice who has agreed the site should be listed as hazardous contaminant (edocs#[14772459](#)).

The laboratory results have been assessed against nationally accepted soil investigation levels outlined in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013* (NEPM). These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

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- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
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ch4p4(6) Personal informatio

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994
Protection Act 1994

CERTIFICATE OF ANALYSIS

Work Order : **EB2107839**
Client : **QLD DEPT OF ENVIRONMENT & SCIENCE**
Contact : **GOLD COAST RESULTS**
Address : **PO BOX 4244**
ROBINA TOWN CENTRE QLD, AUSTRALIA 4230
Telephone : **+61 7 5583 2145**
Project : **PARK RIDGE**
Order number : **----**
C-O-C number : **----**
Sampler : **s49 - Sch4 - Personal information**
Site : **----**
Quote number : **EN/222**
No. of samples received : **4**
No. of samples analysed : **4**

Page : 1 of 6
Laboratory : **Environmental Division Brisbane**
Contact : **Sch4 - Personal infor**
Address : **2 Byth Street Stafford QLD Australia 4053**
Telephone : **+61 7 3552 8659**
Date Samples Received : **23-Mar-2021 15:31**
Date Analysis Commenced : **25-Mar-2021**
Issue Date : **29-Mar-2021 11:06**



Accreditation No. 825
 Accredited for compliance with
 ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Sch4 - Personal inform	Senior Inorganic Chemist	Brisbane Inorganics, Stafford, QLD
	2IC Organic Chemist	Brisbane Inorganics, Stafford, QLD
	2IC Organic Chemist	Brisbane Organics, Stafford, QLD



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a,h)anthracene (1.0), Benzo(g,h,i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SS1A	SS1B	SS2A	SS2B	----
Sampling date / time				23-Mar-2021 13:50	23-Mar-2021 13:50	23-Mar-2021 14:10	23-Mar-2021 14:10	----	
Compound	CAS Number	LOR	Unit	EB2107839-001	EB2107839-002	EB2107839-003	EB2107839-004	-----	
				Result	Result	Result	Result	----	
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%	45.2	30.7	12.0	14.0	----	
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg	<5	<5	<5	<5	----	
Cadmium	7440-43-9	1	mg/kg	1	<1	<1	<1	----	
Chromium	7440-47-3	2	mg/kg	8	4	3	3	----	
Copper	7440-50-8	5	mg/kg	49	24	<5	<5	----	
Lead	7439-92-1	5	mg/kg	16	8	19	19	----	
Nickel	7440-02-0	2	mg/kg	3	<2	<2	<2	----	
Zinc	7440-66-6	5	mg/kg	6250	3070	154	124	----	
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	----	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg	2.4	1.5	<0.5	<0.5	----	
Acenaphthylene	208-96-8	0.5	mg/kg	0.7	<0.5	<0.5	<0.5	----	
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Fluorene	86-73-7	0.5	mg/kg	0.8	<0.5	<0.5	<0.5	----	
Phenanthrene	85-01-8	0.5	mg/kg	1.3	0.6	<0.5	<0.5	----	
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Pyrene	129-00-0	0.5	mg/kg	0.7	<0.5	<0.5	<0.5	----	
Benzo(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	5.9	2.1	<0.5	<0.5	----	
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	0.6	0.6	0.6	0.6	----	
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	1.2	1.2	1.2	1.2	----	
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	20-445	10	mg/kg	<10	<10	<10	<10	----	



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SS1A	SS1B	SS2A	SS2B	----
Sampling date / time				23-Mar-2021 13:50	23-Mar-2021 13:50	23-Mar-2021 14:10	23-Mar-2021 14:10	----	
Compound	CAS Number	LOR	Unit	EB2107839-001	EB2107839-002	EB2107839-003	EB2107839-004	-----	
				Result	Result	Result	Result	----	
EP080/071: Total Petroleum Hydrocarbons - Continued									
C10 - C14 Fraction	----	50	mg/kg	180	100	60	<50	----	
C15 - C28 Fraction	----	100	mg/kg	610	420	2440	2560	----	
C29 - C36 Fraction	----	100	mg/kg	240	200	4860	5590	----	
^ C10 - C36 Fraction (sum)	----	50	mg/kg	1030	720	7360	8150	----	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	<10	<10	----	
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	<10	<10	<10	----	
>C10 - C16 Fraction	----	50	mg/kg	240	150	100	100	----	
>C16 - C34 Fraction	----	100	mg/kg	720	530	6020	6790	----	
>C34 - C40 Fraction	----	100	mg/kg	120	100	3120	3360	----	
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	1080	780	9240	10200	----	
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	240	150	100	100	----	
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----	
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	0.6	<0.5	<0.5	<0.5	----	
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	----	
^ Sum of BTEX	----	0.2	mg/kg	0.6	<0.2	<0.2	<0.2	----	
^ Total Xylenes	----	0.5	mg/kg	0.6	<0.5	<0.5	<0.5	----	
Naphthalene	91-20-3	1	mg/kg	<1	<1	<1	<1	----	
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%	107	105	109	116	----	
2-Chlorophenol-D4	93951-73-6	0.5	%	106	102	108	116	----	
2,4,6-Tribromophenol	118-79-6	0.5	%	109	107	102	108	----	
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%	110	107	109	112	----	
Anthracene-d10	1719-06-8	0.5	%	102	101	110	113	----	
4-Terphenyl-d14	1718-51-0	0.5	%	103	101	107	112	----	
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%	94.6	93.7	94.1	93.8	----	
Toluene-D8	2037-26-5	0.2	%	84.0	86.5	88.0	88.7	----	



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SS1A	SS1B	SS2A	SS2B	----
Sampling date / time				23-Mar-2021 13:50	23-Mar-2021 13:50	23-Mar-2021 14:10	23-Mar-2021 14:10	----	
Compound	CAS Number	LOR	Unit	EB2107839-001	EB2107839-002	EB2107839-003	EB2107839-004	-----	
				Result	Result	Result	Result	----	
EP080S: TPH(V)/BTEX Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	0.2	%	107	109	116	116	----	

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Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	35	154
2-Chlorophenol-D4	93951-73-6	42	153
2,4,6-Tribromophenol	118-79-6	26	157
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	34	156
Anthracene-d10	1719-06-8	37	153
4-Terphenyl-d14	1718-51-0	42	172
EP080S: TPH(V)/BTEX Surrogates			
1,2-Dichloroethane-D4	17060-07-0	53	134
Toluene-D8	2037-26-5	60	131
4-Bromofluorobenzene	460-00-4	59	127

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QUALITY CONTROL REPORT

Work Order	: EB2107839	Page	: 1 of 6
Client	: QLD DEPT OF ENVIRONMENT & SCIENCE	Laboratory	: Environmental Division Brisbane
Contact	: GOLD COAST RESULTS	Contact	: ch4 - Personal info
Address	: PO BOX 4244 ROBINA TOWN CENTRE QLD, AUSTRALIA 4230	Address	: 2 Byth Street Stafford QLD Australia 4053
Telephone	: +61 7 5583 2145	Telephone	: +61 7 3552 8659
Project	: PARK RIDGE	Date Samples Received	: 23-Mar-2021
Order number	: ----	Date Analysis Commenced	: 25-Mar-2021
C-O-C number	: ----	Issue Date	: 29-Mar-2021
Sampler	: s49 - Sch4 - Personal information		
Site	: ----		
Quote number	: EN/222		
No. of samples received	: 4		
No. of samples analysed	: 4		



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories

ch4 - Personal info

Position

Senior Inorganic Chemist
2IC Organic Chemist
2IC Organic Chemist

Accreditation Category

Brisbane Inorganics, Stafford, QLD
Brisbane Inorganics, Stafford, QLD
Brisbane Organics, Stafford, QLD



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high

Key :
 Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
 CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
 LOR = Limit of reporting
 RPD = Relative Percentage Difference
 # = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 3584710)									
EB2107839-001	SS1A	EG005T: Cadmium	7440-43-9	1	mg/kg	1	1	0.00	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	8	8	0.00	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	3	3	0.00	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.00	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	49	48	0.00	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	16	15	7.67	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	6250	5700	9.24	0% - 20%
EB2107881-007	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.00	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	8	9	0.00	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	13	14	8.00	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.00	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	16	18	6.15	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	6	6	0.00	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	43	46	5.86	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 3584718)									
EB2107839-001	SS1A	EA055: Moisture Content	----	0.1	%	45.2	44.7	1.00	0% - 20%
EB2107881-004	Anonymous	EA055: Moisture Content	----	0.1	%	30.8	32.3	4.82	0% - 20%
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 3584711)									
EB2107839-001	SS1A	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.00	No Limit
EB2107881-007	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.00	No Limit
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 3584715)									
EB2107839-001	SS1A	EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	2.4	1.8	24.3	No Limit
		EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	0.7	<0.5	37.3	No Limit
		EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.00	No Limit



Sub-Matrix: SOIL

				Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 3584715) - continued										
EB2107839-001	SS1A	EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	0.8	<0.5	47.4	No Limit	
		EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	1.3	0.8	52.2	No Limit	
		EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	0.7	<0.5	38.1	No Limit	
		EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Benzo(b+j)fluoranthene	205-99-2	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
			205-82-3							
		EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
EP075(SIM): Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	0.00	No Limit			
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 3584707)										
EB2107839-001	SS1A	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.00	No Limit	
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 3584716)										
EB2107839-001	SS1A	EP071: C15 - C28 Fraction	----	100	mg/kg	610	950	43.5	No Limit	
		EP071: C29 - C36 Fraction	----	100	mg/kg	240	350	36.0	No Limit	
		EP071: C10 - C14 Fraction	----	50	mg/kg	180	240	25.9	No Limit	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 3584707)										
EB2107839-001	SS1A	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.00	No Limit	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 3584716)										
EB2107839-001	SS1A	EP071: >C16 - C34 Fraction	----	100	mg/kg	720	1120	42.6	0% - 50%	
		EP071: >C34 - C40 Fraction	----	100	mg/kg	120	170	36.5	No Limit	
		EP071: >C10 - C16 Fraction	----	50	mg/kg	240	330	29.6	No Limit	
EP080: BTEXN (QC Lot: 3584707)										
EB2107839-001	SS1A	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.00	No Limit	
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
		EP080: meta- & para-Xylene	108-38-3	0.5	mg/kg	0.6	<0.5	0.00	No Limit	
			106-42-3							
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.00	No Limit	
EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.00	No Limit			



Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: SOIL

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report				
				Result	Spike Concentration	Spike Recovery (%)		Acceptable Limits (%)	
						LCS	Low	High	
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 3584710)									
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	83.4 mg/kg	110	84.0	123	
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	----	----	----	----	
EG005T: Chromium	7440-47-3	2	mg/kg	<2	14.1 mg/kg	104	83.0	125	
EG005T: Copper	7440-50-8	5	mg/kg	<5	50 mg/kg	93.9	86.0	122	
EG005T: Lead	7439-92-1	5	mg/kg	<5	55.4 mg/kg	104	84.0	119	
EG005T: Nickel	7440-02-0	2	mg/kg	<2	11.8 mg/kg	103	81.5	118	
EG005T: Zinc	7440-66-6	5	mg/kg	<5	148.7 mg/kg	103	80.0	120	
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3584711)									
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	91.4	70.0	125	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 3584715)									
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	1.5 mg/kg	93.3	72.6	133	
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	1.5 mg/kg	100	63.2	144	
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	1.5 mg/kg	98.1	73.0	117	
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	1.5 mg/kg	99.4	76.2	134	
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	1.5 mg/kg	97.9	71.8	137	
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	1.5 mg/kg	106	77.1	143	
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	1.5 mg/kg	96.8	74.1	140	
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	1.5 mg/kg	96.8	72.0	139	
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	1.5 mg/kg	102	58.0	145	
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	1.5 mg/kg	96.3	63.0	147	
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2	0.5	mg/kg	<0.5	1.5 mg/kg	104	70.5	142	
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	1.5 mg/kg	83.3	75.5	138	
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	1.5 mg/kg	101	68.5	140	
EP075(SIM): Indeno(1,2,3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	1.5 mg/kg	112	58.4	143	
EP075(SIM): Dibenz(a,h)anthracene	53-70-3	0.5	mg/kg	<0.5	1.5 mg/kg	113	52.1	149	
EP075(SIM): Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	1.5 mg/kg	101	64.6	140	
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3584707)									
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	18 mg/kg	91.0	59.7	125	
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3584716)									
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	310 mg/kg	113	79.4	125	
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	490 mg/kg	96.2	78.8	122	
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	----	----	----	----	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3584707)									



Sub-Matrix: SOIL

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
				Result	Spike Concentration	Spike Recovery (%)	Acceptable Limits (%)	
					LCS	Low	High	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3584707) - continued								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	22.5 mg/kg	81.3	58.1	124
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3584716)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	450 mg/kg	103	81.3	122
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	320 mg/kg	101	75.6	125
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	----	----	----	----
EP080: BTEXN (QCLot: 3584707)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	84.6	66.8	115
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	84.3	68.8	116
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	81.4	68.5	116
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	84.8	69.7	118
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	89.2	72.2	116
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	84.7	73.2	116

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: SOIL

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report			
				Spike Concentration	Spike Recovery(%) MS	Acceptable Limits (%)	
				Low	High		
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 3584710)							
EB2107839-002	SS1B	EG005T: Arsenic	7440-38-2	100 mg/kg	92.2	70.0	130
		EG005T: Cadmium	7440-43-9	25 mg/kg	93.2	70.0	130
		EG005T: Chromium	7440-47-3	100 mg/kg	92.6	70.0	130
		EG005T: Copper	7440-50-8	100 mg/kg	86.5	70.0	130
		EG005T: Lead	7439-92-1	100 mg/kg	91.5	70.0	130
		EG005T: Nickel	7440-02-0	100 mg/kg	93.0	70.0	130
		EG005T: Zinc	7440-66-6	100 mg/kg	# Not Determined	70.0	130
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3584711)							
EB2107839-002	SS1B	EG035T: Mercury	7439-97-6	0.5 mg/kg	85.1	70.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 3584715)							
EB2107839-002	SS1B	EP075(SIM): Acenaphthene	83-32-9	1.5 mg/kg	97.8	70.0	130
		EP075(SIM): Pyrene	129-00-0	1.5 mg/kg	98.6	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3584707)							
EB2107839-002 20-445	SS1B	EP080: C6 - C9 Fraction	File A	8 mg/kg	80.6	70.0	130



Sub-Matrix: SOIL

				Matrix Spike (MS) Report			
Laboratory sample ID		Sample ID	Method: Compound	CAS Number	Spike Concentration	SpikeRecovery(%) MS	Acceptable Limits (%) Low High
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3584716)							
EB2107839-002		SS1B	EP071: C10 - C14 Fraction	---	310 mg/kg	95.8	70.0 130
			EP071: C15 - C28 Fraction	---	490 mg/kg	87.9	70.0 130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3584707)							
EB2107839-002		SS1B	EP080: C6 - C10 Fraction	C6_C10	8 mg/kg	74.2	70.0 130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 3584716)							
EB2107839-002		SS1B	EP071: >C10 - C16 Fraction	---	450 mg/kg	95.9	70.0 130
			EP071: >C16 - C34 Fraction	---	320 mg/kg	80.0	70.0 130
EP080: BTEXN (QCLot: 3584707)							
EB2107839-002		SS1B	EP080: Benzene	71-43-2	2 mg/kg	79.8	70.0 130
			EP080: Toluene	108-88-3	2 mg/kg	85.1	70.0 130

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QA/QC Compliance Assessment to assist with Quality Review

Work Order	: EB2107839	Page	: 1 of 5
Client	: QLD DEPT OF ENVIRONMENT & SCIENCE	Laboratory	: Environmental Division Brisbane
Contact	: GOLD COAST RESULTS	Telephone	: +61 7 3552 8659
Project	: PARK RIDGE	Date Samples Received	: 23-Mar-2021
Site	: ----	Issue Date	: 29-Mar-2021
Sampler	s49 - Sch4 - Personal information	No. of samples received	: 4
Order number	: ----	No. of samples analysed	: 4

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO** Method Blank value outliers occur.
- **NO** Duplicate outliers occur.
- **NO** Laboratory Control outliers occur.
- Matrix Spike outliers exist - please see following pages for full details.
- For all regular sample matrices, **NO** surrogate recovery outliers occur.

Outliers : Analysis Holding Time Compliance

- **NO** Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- **NO** Quality Control Sample Frequency Outliers exist.



Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EG005(ED093)T: Total Metals by ICP-AES	EB2107839--002	SS1B	Zinc	7440-66-6	Not Determined	----	MS recovery not determined, background level greater than or equal to 4x spike level.

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for VOC in soils vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: * = Holding time breach ; ✓ = Within holding time.

Method Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis			
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation	
EA055: Moisture Content (Dried @ 105-110°C)								
Soil Glass Jar - Unpreserved (EA055) SS1A, SS2A,	SS1B, SS2B	23-Mar-2021	----	----	----	25-Mar-2021	06-Apr-2021	✓
EG005(ED093)T: Total Metals by ICP-AES								
Soil Glass Jar - Unpreserved (EG005T) SS1A, SS2A,	SS1B, SS2B	23-Mar-2021	25-Mar-2021	19-Sep-2021	✓	26-Mar-2021	19-Sep-2021	✓
EG035T: Total Recoverable Mercury by FIMS								
Soil Glass Jar - Unpreserved (EG035T) SS1A, SS2A,	SS1B, SS2B	23-Mar-2021	25-Mar-2021	20-Apr-2021	✓	26-Mar-2021	20-Apr-2021	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved (EP075(SIM)) SS1A, SS2A,	SS1B, SS2B	23-Mar-2021	25-Mar-2021	06-Apr-2021	✓	25-Mar-2021	04-May-2021	✓
EP080/071: Total Petroleum Hydrocarbons								
Soil Glass Jar - Unpreserved (EP080) SS1A, SS2A,	SS1B, SS2B	23-Mar-2021	25-Mar-2021	06-Apr-2021	✓	25-Mar-2021	06-Apr-2021	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
Soil Glass Jar - Unpreserved (EP080) SS1A, SS2A, 20-445	SS1B, SS2B	23-Mar-2021	25-Mar-2021	06-Apr-2021	✓	25-Mar-2021	06-Apr-2021	✓

Page : 3 of 5
 Work Order : EB2107839
 Client : QLD DEPT OF ENVIRONMENT & SCIENCE
 Project : PARK RIDGE



Matrix: SOIL

Evaluation: ✖ = Holding time breach ; ✔ = Within holding time.

Method Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis			
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation	
EP080: BTEXN								
Soil Glass Jar - Unpreserved (EP080)								
SS1A, SS2A,	SS1B, SS2B	23-Mar-2021	25-Mar-2021	06-Apr-2021	✔	25-Mar-2021	06-Apr-2021	✔

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Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: * = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type	Method	Count		Rate (%)			Quality Control Specification
		QC	Reaular	Actual	Expected	Evaluation	
Analytical Methods							
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	8	12.50	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	2	19	10.53	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	2	19	10.53	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	9	11.11	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	9	11.11	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
PAH/Phenols (SIM)	EP075(SIM)	1	8	12.50	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	9	11.11	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	9	11.11	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
PAH/Phenols (SIM)	EP075(SIM)	1	8	12.50	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	9	11.11	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	9	11.11	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
PAH/Phenols (SIM)	EP075(SIM)	1	8	12.50	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	9	11.11	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	9	11.11	5.00	✓	NEPM 2013 B3 & ALS QC Standard



Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Total Metals by ICP-AES	EG005T	SOIL	In house: Referenced to APHA 3120; USEPA SW 846 - 6010. Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	In house: Referenced to AS 3550, APHA 3112 Hg - B (Flow-injection (SnCl ₂) (Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl ₂ which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3)
TRH - Semivolatile Fraction	EP071	SOIL	In house: Referenced to USEPA SW 846 - 8015 Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C40. Compliant with NEPM Schedule B(3).
PAH/Phenols (SIM)	EP075(SIM)	SOIL	In house: Referenced to USEPA SW 846 - 8270. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH Volatiles/BTEX	EP080	SOIL	In house: Referenced to USEPA SW 846 - 8260. Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. Compliant with NEPM Schedule B(3) amended.
Preparation Methods	Method	Matrix	Method Descriptions
Hot Block Digest for metals in soils sediments and sludges	EN69	SOIL	In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM Schedule B(3).
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	In house: Referenced to USEPA SW 846 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids	ORG17	SOIL	In house: Mechanical agitation (tumbler). 10g of sample, Na ₂ SO ₄ and surrogate are extracted with 30mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis.

Matrix: SOIL
 Workgroup: EB2107839
 Project name/number: PARK RIDGE

Sample Type: REG REG REG REG
 ALS Sample Number: EB2107839001 EB2107839002 EB2107839003 EB2107839004
 Sample Date: 23/03/2021 23/03/2021 23/03/2021 23/03/2021
 Client sample ID (1st): SS1A SS1B SS2A SS2B
 Client sample ID (2nd):
 Depth Type:
 Depth (m):
 Site:
 Purchase Order:

Analyte grouping/Analyte	CAS Number	Unit	Limit of reporting				
EA055: Moisture Content (Dried @ 105-110°C)							
Moisture Content		%	1.0	45.2	30.7	12.0	14.0
EG005(ED093)T: Total Metals by ICP-AES							
Arsenic	7440-38-2	mg/kg	5	<5	<5	<5	<5
Cadmium	7440-43-9	mg/kg	1	1	<1	<1	<1
Chromium	7440-47-3	mg/kg	2	8	4	3	3
Copper	7440-50-8	mg/kg	5	49	24	<5	<5
Lead	7439-92-1	mg/kg	5	16	8	19	19
Nickel	7440-02-0	mg/kg	2	3	<2	<2	<2
Zinc	7440-66-6	mg/kg	5	6250	3070	154	124
EG035T: Total Recoverable Mercury by FIMS							
Mercury	7439-97-6	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Naphthalene	91-20-3	mg/kg	0.5	2.4	1.5	<0.5	<0.5
Acenaphthylene	208-96-8	mg/kg	0.5	0.7	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	mg/kg	0.5	0.8	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	mg/kg	0.5	1.3	0.6	<0.5	<0.5
Anthracene	120-12-7	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	mg/kg	0.5	0.7	<0.5	<0.5	<0.5
Benzo(a)anthracene	56-55-3	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Dibenz(a,h)anthracene	53-70-3	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Benzo(g,h,i)perylene	191-24-2	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Sum of polycyclic aromatic hydrocarbons		mg/kg	0.5	5.9	2.1	<0.5	<0.5
Benzo(a)pyrene TEQ (zero)		mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ (half LOR)		mg/kg	0.5	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (LOR)		mg/kg	0.5	1.2	1.2	1.2	1.2
EP080/071: Total Petroleum Hydrocarbons							
C6 - C9 Fraction		mg/kg	10	<10	<10	<10	<10
C10 - C14 Fraction		mg/kg	50	180	100	60	<50
C15 - C28 Fraction		mg/kg	100	610	420	2440	2560
C29 - C36 Fraction		mg/kg	100	240	200	4860	5590
C10 - C36 Fraction (sum)		mg/kg	50	1030	720	7360	8150
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
C6 - C10 Fraction	C6_C10	mg/kg	10	<10	<10	<10	<10
C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	mg/kg	10	<10	<10	<10	<10
>C10 - C16 Fraction		mg/kg	50	240	150	100	100
>C16 - C34 Fraction		mg/kg	100	720	530	6020	6790
>C34 - C40 Fraction		mg/kg	100	120	100	3120	3360
>C10 - C40 Fraction (sum)		mg/kg	50	1080	780	9240	10200
>C10 - C16 Fraction minus Naphthalene (F2)		mg/kg	50	240	150	100	100
EP080: BTEXN							
Benzene	71-43-2	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	mg/kg	0.5	0.6	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes		mg/kg	0.5	0.6	<0.5	<0.5	<0.5
Sum of BTEX		mg/kg	0.2	0.6	<0.2	<0.2	<0.2
Naphthalene	91-20-3	mg/kg	1	<1	<1	<1	<1
EP075(SIM)S: Phenolic Compound Surrogates							
Phenol-d6	13127-88-3	%	0.5	107	105	109	116
2-Chlorophenol-D4	93951-73-6	%	0.5	106	102	108	116
2,4,6-Tribromophenol	118-79-6	%	0.5	109	107	102	108
EP075(SIM)T: PAH Surrogates							
2-Fluorobiphenyl	321-60-8	%	0.5	110	107	109	112
Anthracene-d10	1719-06-8	%	0.5	102	101	110	113
4-Terphenyl-d14	1718-51-0	%	0.5	103	101	107	112

EP080S: TPH(V)/BTEX Surrogates

1,2-Dichloroethane-D4	17060-07-0	%	0.2	94.6	93.7	94.1	93.8
Toluene-D8	2037-26-5	%	0.2	84.0	86.5	88.0	88.7
4-Bromofluorobenzene	460-00-4	%	0.2	107	109	116	116

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CHAIN OF CUSTODY
 ALS Laboratory: please tick →

Adelaide 3/1 Burma Road Pooraka SA 5095 Ph: 08 8162 5130 E: adelaide@alsglobal.com
 Brisbane 2 Byth Street Stafford QLD 4053 Ph: 07 3243 7222 E: samples.brisbane@alsglobal.com
 Gladstone 48 Callernondah Drive Gladstone QLD 4680 Ph: 07 4978 7944 E: gladstone@alsglobal.com
 Mackay 78 Harbour Road Mackay QLD 4740 Ph: 07 4944 0177 E: mackay@alsglobal.com
 Melbourne 2-4 Westall Road Springvale VIC 3171 Ph: 03 8549 9600 E: samples.melbourne@alsglobal.com
 Mudgee 129 Sydney Road Mudgee NSW 2850 Ph: 02 6372 6735 E: mudgee@alsglobal.com
 Newcastle 5/505 Maitland Road Mayfield West NSW 2304 Ph: 02 4014 2500 E: samples.newcastle@alsglobal.com
 Nowra 4/13 Gaary Place North Nowra NSW 2541 Ph: 02 4423 2093 E: nowra@alsglobal.com
 Perth 10 Hed Way Malaga WA 6050 Ph: 08 9209 7655 E: samples.perth@alsglobal.com
 Sydney 277-289 Woodpark Road Smithfield NSW 2164 Ph: 02 8784 8355 E: samples.sydney@alsglobal.com
 Townsville 14-15 Desma Court Bohle QLD 4818 Ph: 07 4796 0800 E: townsville.environmental@alsglobal.com
 Wollongong 1/19-21 Ralph Black Drive, Nth Wollongong NSW 2500 Ph: 02 4225 3125 E: wollongong@alsglobal.com

CLIENT: DEPT. of ENVIRONMENT & SCIENCE
 OFFICE: ROBINA
 PROJECT: PARK RIDGE PROJECT NO.: NA
 PURCHASE ORDER NO.: NA
 PROJECT MA: [REDACTED]
 SAMPLER: s49 - Sch4 - Personal information
 COC Emailed to ALS? (YES / NO)
 Email Reports to: goldcoast.es@des.qld.gov.au
 Email Invoice to: As above

TURNAROUND REQUIREMENTS:
 Standard TAT (List due date):
 Non Standard or urgent TAT (List due date):

ALS QUOTE NO.: NA
 COUNTRY OF ORIGIN: AUS.

CONTACT PH: 56266865
 SAMPLER MOBILE: [REDACTED]
 EDD FORMAT (or default): [REDACTED]

COC SEQUENCE NUMBER (Circle)
 1 2 3 4 5 6 7
 1 2 3 4 5 6 7

FOR LABORATORY USE ONLY (Circle)
 Custody Seal Intact? Yes No N/A
 Free ice / frozen ice bricks present upon receipt? Yes No N/A
 Random Sample Temperature on Receipt: °C
 Other comment:

RELINQUISHED BY: [REDACTED]
 RECEIVED BY:
 DATE/TIME: 23.3.21 15:31

COMMENTS/SPECIAL HANDLING/STORAGE OR DISPOSAL: NA

ALS USE ONLY	SAMPLE DETAILS MATRIX: Solid(S) Water(W)			CONTAINER INFORMATION	ANALYSIS REQUIRED including SUITES (NB. Suite Codes must be listed to attract suite price) Where Metals are required, specify Total (unfiltered bottle required) or Dissolved (field filtered bottle required).							Additional Information	
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	TYPE & PRESERVATIVE (refer to codes below)	TOTAL BOTTLES								Comments on likely contaminant levels, dilutions, or samples requiring specific QC analysis etc.
1	SS1A	23/3/21 13:50	S	ST	1								
2	SS1B	23/3/21 13:50	S	ST	1								
3	SS2A	23/3/21 14:10	S	ST	1								
4	SS2B	23/3/21 14:10	S	ST	1								
					TOTAL	4							

Environmental Division
 Brisbane
 Work Order Reference
EB2107839



Telephone - 61-7-3243 7222

20-445

File A

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Water Container Codes: P = Unpreserved Plastic; N = Nitric Preserved Plastic; ORC = Nitric Preserved ORC; SH = Sodium Hydroxide/Cd Preserved; S = Sodium Hydroxide Preserved Plastic; AG = Amber Glass Unpreserved; AP - Airfreight Unpreserved Plastic
 V = VOA Vial HCl Preserved; VB = VOA Vial Sodium Bisulphate Preserved; VS = VOA Vial Sulfuric Preserved; AV = Airfreight Unpreserved Vial SG = Sulfuric Preserved Amber Glass; H = HCl preserved Plastic; HS = HCl preserved Speciation bottle; SP = Sulfuric Preserved Plastic; F = Formaldehyde Preserved Glass;
 Z = Zinc Acetate Preserved Bottle; E = EDTA Preserved Bottles; ST = Sterile Bottle; ASS = Plastic Bag for Acid Sulphate Soils; B = Unpreserved Bag; LI = Lugols Iodine Preserved Bottles; STT = Sterile Sodium Thiosulfate Preserved Bottles.



Australian Laboratory Services Pty Ltd ABN 84 009 936 029. An ALS Limited Company

TAX INVOICE: 1151256192

QLD DEPT OF ENVIRONMENT & SCIENCE
GOLD COAST RESULTS
PO BOX 4244
ROBINA TOWN CENTRE
QLD, AUSTRALIA 4230

Work Order	Project / Overall Description	Site	Order number	C-O-C number	Contact
EB2107839	PARK RIDGE / ----	----	----	----	GOLD COAST RESULTS

Issue Date : 29-Mar-2021 **Taxable value** : AUD\$
Due Date : 28-Apr-2021 **Tax Incurred (GST)** : AUD\$
Amount Payable : AUD\$

commercial/p

Work Order Breakdown

Method	Sale Item Descriptions	Quantity	Unit Value (AUD\$)	Value (AUD\$)	GST (AUD\$)	Line Total (AUD\$)
Work Order: EB2107839 Quote number: EN/222 Submatrix summary: 4 SOILS						
*Misc	Workorder Admin Fee	1.00				
S-26	8 metals/TRH/BTEXN/PAH	4.00				

7)(1)(c) Business/commercial/professional/financial

* denotes non-discountable item

• Please direct all queries to Environmental Division Brisbane on +61-7-3243 7222.

REMITTANCE ADVICE

POST TO: Australian Laboratory Services Pty Ltd
P.O. Box 66 Everton Park
QLD 4053 Australia

EMAIL TO: remittances@alsglobal.com

Vendor bank details

Bank: **Commonwealth Bank**
BSB: **064 000**
Account: **12672843**
Swift Code: **CTBAAU2S**

or **Cheque**

Payable to Australian Laboratory Services Pty Ltd

or **Credit Card**

Visa
Mastercard
American Express

Amount Payable

AUD\$

ALS Client Reference

ENVPRO

TAX INVOICE

1151256192

Form

Environmental Protection Act 1994

OFFICIAL USE ONLY	Landowner submission about notifiable activity or land contamination			
DATE RECEIVED <table border="1"><tr><td></td><td></td><td></td></tr></table>				
FILE REF <hr/>	<p>This form is provided for the owner of land who has received a <i>show cause notice</i> under section 375(1) of the <i>Environmental Protection Act 1994</i> (EP Act) about the proposal to include particulars of the land in the Environmental Management Register (EMR).</p> <p>This form may be used to make a submission under section 376 of the EP Act about whether or not the land the subject of the show cause notice has been, or is being used, for a notifiable activity or is contaminated land. Only the land owner, or a person(s) with authority to act on their behalf, can make the submission.</p> <p>The administering authority considers the information provided in the submission when deciding, under section 377 of the EP Act, whether the land must be recorded in the EMR.</p> <p>For the submission to be considered, the landowner must complete and forward this form to the administering authority by the day stated in the show cause notice, in accordance with section 376(1) of the EP Act.</p> <p>The submission must be accompanied by—</p> <ul style="list-style-type: none">(a) a written declaration by the owner that the owner—<ul style="list-style-type: none">(i) has not knowingly included any false or misleading information in the submission; and(ii) has given all relevant information to the authority(b) if an investigation of the land has been conducted—a copy of the report prepared about the investigation mentioned in section 375(4) of the EP Act(c) a copy of the show cause notice.			
PROJECT REF <hr/>				
COMPLETE FORM <input type="checkbox"/> CORRECT AA <input type="checkbox"/> ENTERED BY [SIGNATURE] <hr/>				
DATE <table border="1"><tr><td></td><td></td><td></td></tr></table>				
Further information, related to contaminated land can be found on the DES website < www.des.qld.gov.au >.				

Landowner submission about notifiable activity or land contamination

1. Details of the person making the submission

Please ensure that this information is correct and current.

If you are not the landowner, you must have authority to act on behalf of the landowner in this matter. Also, you must attach evidence, such as a letter of authority from the landowner.

For Company/Organisation, write 'Not applicable' if operating under your own name.

1 Details of the person making the submission

- I am the owner of the land to which this submission relates.
- I am the person with authority to act on behalf of the landowner in this matter (attach evidence of that authority).

Name		Title
Company/Organisation		
Position		
Registered address		
Postal address (write 'As above' if the same as registered address)		
Telephone (business)	Fax	
Mobile:		
Email (business)		

2. Lot on plan

The EMR uses the Lot on plan system to register and manage land entered on the database.

The Lot on plan can be obtained from the land title certificate, rates notice or your local government

List all Lots on plan referred to in the show cause notice, and any other(s) that comprise the site.

Local government

The local government is the site's local council.

2 Site details

Please provide details of the land subject to the show cause notice, including the street address and Lot on plan.

Full street address of the site	
Lot number	Plan reference
Local government for the location of the land subject of the show cause notice.	

Landowner submission about notifiable activity or land contamination

3. Mortgagee

After your submission has been considered, the department may be legally required to send a copy of the notice of decision to any registered mortgagee. You must provide sufficient contact details of any mortgagee to enable the department to deliver a copy of the notice of decision.

3 Mortgagee

Is there a registered mortgagee of the land?

Yes No

If you ticked Yes, you must provide details in the box below of any registered mortgagee of the land subject to the show cause notice.

Name	Title
Company/Organisation	
Postal address	
Telephone (business)	Fax
Email (business)	

4. Reason for the submission

Please provide as much information as possible to support your submission. This information is used by the administering authority to determine whether your land should be included on the EMR.

Specifically address the notifiable activity and/or hazardous contaminant listed on the show cause notice.

Also, include any notifiable activity or contamination that you know about but which is not listed on the show cause notice.

4 Reason for the submission

A) Why are you making this submission?

- I believe the land should not be included in the EMR.
- I believe the grounds stated in the show cause notice are incorrect, and I wish to provide more information.
- For the following reason:

B) Has the land the subject of the show cause notice been used, or is it being used, for a notifiable activity (tick one box)?

- The land is not, and has not been, used for a notifiable activity.
- The land has been, but is no longer, used for a notifiable activity.
- The land is being used for one or more notifiable activity, but not in the way stated in the show cause notice.

C) Is the land the subject of the show cause notice contaminated?

- The land is not contaminated.
- The land is contaminated.

Provide evidence and supporting information as requested in section 5.

5. Evidence and supporting information

Please provide as much information as possible to support your submission. This information will be used by the administering authority to determine whether your land should be included on the EMR.

5 Evidence and supporting information

You must provide evidence to support your submission.

5.1 Notifiable activities

In the table below, list any activity that is, or has been, carried out at the site that might be a notifiable activity if it is above a threshold listed in Schedule 3 of the EP Act. Include the level of activity.

Notifiable Activity	Level of activity (e.g. amount stored, disposed of, or used)

Provide evidence related to any relevant activities that are being, or have been, carried out on the land the subject of the show cause notice. For example, a past or current environmental authority for an environmentally relevant activity (ERA); a licence issued under the Flammable and Combustible Liquids Regulation 1994; photographs of the site; etc.

Compare the level of activity to the thresholds listed in Schedule 3 of the EP Act, and comment in the box below whether any are above the threshold to be a notifiable activity. Alternatively, attach a separate report about any or all notifiable activity at the site, and provide the title of the report in the box below.

5.2 Investigation of the land

Have any investigations, such as a contaminated land investigation, been undertaken of the land at the site?

Yes No

If any investigation has been undertaken, you are legally required under s. 376(2)(b) of the EP Act to provide a copy of the report with this submission.

5.3 Any other evidence or information

You are required under s. 376(2)(a) of the EP Act to declare that you have given all relevant information to the authority, and have not knowingly included any false or misleading information in the submission. See section 6 of this form for the declaration. Is there any other relevant evidence or information to support your submission?

Yes No

If you ticked Yes, you must attach the evidence or information to this submission.

Provide a list of all attachments.

6. Required declaration

Section 375 of the EP Act requires that submissions be accompanied by a declaration from the landowner, or a person with authority to act on their behalf.

Important information:

The administering authority cannot consider the submission unless you complete the declaration.

6 Declaration

Environmental Protection Act 1994

I _____

of _____

do declare that:

- I have not knowingly included any false or misleading information in the submission.
- I have given all relevant information to the authority.

And I make this declaration conscientiously believing the same to be true, and by virtue of the provisions of section 375(2)(e) of the *Environmental Protection Act 1994*.

Signature of declarant
Date:

7. Submitting this form**Privacy statement**

The Department of Environmental and Science is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. Your personal information will be accessed only by authorised personnel for the purposes of considering the submission, as authorised by section 376 of the *Environmental Protection Act 1994*. Your personal information will not be given to any other person or agency unless authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: AdminReview@des.qld.gov.au or phone 13 QGOV (13 74 68).

7 Submitting this form**Forward this form to:**

The Registry
Contaminated Land Unit
Department of Environment and Science
Level 7, 400 George Street, Brisbane
GPO Box 2454
Brisbane Qld 4001
phone 13 QGOV (13 74 68)
email: emr.clr.registry@des.qld.gov.au

website: <www.des.qld.gov.au>.

8 What happens next?

You will receive a notice about the decision stating whether or not your land is to be included in the EMR. The notice will be given to you within five (5) business days of the administering authority making the decision. The notice will state the reasons for the decision, and your review and appeal rights.

A copy of the notice will also be given to the relevant local government as required by s. 378(b) of the EP Act.

If the decision is to record particulars of the land in the contaminated land register, a copy of the notice will also be given any registered mortgagee of the land as required by s. 378(c) of the EP Act.

Date : 18/05/2021 2:12:04 PM

From : "EMR CLR Registry"

To : "council@logan.qld.gov.au"

Cc : "EMR CLR Registry"

Subject : Notice of Land Listing - Park Ridge

Attachment : CL 20210518 Lot 14 RP135029 NLL_LGA.pdf;image001.png;

Good afternoon

Please find attached Notice of Land Listing for site 95-103 Koplick Road, Park Ridge (Lot 14 RP135029).

Kind regards,

Helena



Helena Svalbe

Customer Service Officer – Registry

Contaminated Land Assessment

Waste, Development & Southeast Compliance | Environmental Services & Regulation

Department of Environment and Science

E: emr.clr.registry@des.qld.gov.au

A: Level 7, 400 George Street, Brisbane QLD 4000 | PO BOX 2454, Brisbane QLD 4001

W: www.environment.des.qld.gov.au

Published on DES Disclosure Log
RTI Act 2009



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Email: EMR.CLR.Registry@des.qld.gov.au

18 May 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

The Chief Executive Officer
Logan City Council
PO Box 3226
LOGAN CITY DC QLD 4114

NOTICE OF LAND LISTED ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 378 of the *Environmental Protection Act 1994* (EP Act) notice is given that the parcel of land described below has been listed on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

The parcel of land has been recorded on the EMR as, after careful consideration of any submissions, it is decided that the land has been affected by a hazardous contaminant. Details of the listing are provided below.

WASTE STORAGE, TREATMENT OR DISPOSAL - storing, treating, reprocessing or disposing of regulated waste (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50, 000 persons having sludge drying beds or on-site disposal facilities.

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
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- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

For further information about contaminated land matters visit www.qld.gov.au, and search for "contaminated land".

sch4p4(6) Personal information

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994

Date : 18/05/2021 2:10:18 PM

From : "EMR CLR Registry"

To : sch4p4(6) Personal information , Person Somerville Consultants"

Cc : "MORGAN Yvette" , person Somerville Consultants" , Person omerville Consultants" , Person Castrisos" , "EMR CLR Registry"

Subject : Notice of Land Listing - Park Ridge

Attachment : CL 20210518 Lot 14 RP135029 NLL_Owner.pdf;image002.png;

Good afternoon

Please find attached Notice of Land Listing for site 95-103 Koplick Road, Park Ridge (Lot 14 RP135029).

Kind regards,

Helena



Helena Svalbe

Customer Service Officer – Registry

Contaminated Land Assessment

Waste, Development & Southeast Compliance | Environmental Services & Regulation

Department of Environment and Science

E: emr.clr.registry@des.qld.gov.au

A: Level 7, 400 George Street, Brisbane QLD 4000 | PO BOX 2454, Brisbane QLD 4001

W: www.environment.des.qld.gov.au



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Email: EMR.CLR.Registry@des.qld.gov.au

18 May 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

GACRUX PTY LTD
105-115 KOPLICK ROAD
PARK RIDGE QLD 4125

NOTICE OF LAND LISTED ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 378 of the *Environmental Protection Act 1994* (EP Act) notice is given that the parcel of land described below has been listed on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
Logan City Council

95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

The parcel of land has been recorded on the EMR as, after careful consideration of any submissions, it is decided that the land has been affected by a hazardous contaminant. Details of the listing are provided below.

WASTE STORAGE, TREATMENT OR DISPOSAL - storing, treating, reprocessing or disposing of regulated waste (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50, 000 persons having sludge drying beds or on-site disposal facilities.

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C16-C34 (F3) concentrations exceeding ESLs for *commercial/industrial* (1,700mg/kg) were reported SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

The owner may apply for a review of the decision to record the land in the EMR within 10 business days after receipt of this notice, in accordance with section 521 of the EP Act. If you decide to apply for a review you must, in accordance with section 521(3) also give notice to the local government that you are seeking a review. You must forward to the local government the following documents:

- a notice of the application (the "review notice");
- a copy of the application and supporting documents.

The review notice must inform the local government that submissions on the application may be made within 5 business days after the application is made to the Department of Environment and Science, as required by section 521(4) of the EP Act. A land owner dissatisfied with a review decision may appeal against the decision in accordance with section 531 of the EP Act.

The following requirements apply under section 408 of the EP Act for land listed on the EMR.

The owner must, before agreeing to dispose of the land to someone else (the buyer), give written notice to the buyer stating that the particulars of the land have been recorded in the register and, if details of a site management plan for the land are recorded in the register, details of the plan.

For further information about contaminated land matters visit www.qld.gov.au, and search for "contaminated land".

sch4p4(6) Personal information

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Email: EMR.CLR.Registry@des.qld.gov.au

07 April 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

GACRUX PTY LTD
95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

SHOW CAUSE NOTICE TO OWNER OF LAND - PROPOSAL TO INCLUDE PARTICULARS OF LAND ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 375 of the *Environmental Protection Act 1994* (EP Act) notice is given that particulars of the parcel of land described below are proposed for inclusion on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
Logan City Council

95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

About the Environmental Management Register.

Land contamination can occur as a result of poor environmental management and waste disposal practices or accidental spills in industrial, agricultural or mining activities. In some cases, land was contaminated in the past by activities now known to be hazardous. The Environmental Management Register (EMR) and the Contaminated Land Register (CLR) are public registers which contain information about contaminated land in Queensland. The EMR also contains information of land which is, or could potentially be, contaminated because it is being used for an activity which may cause contamination.

About the EMR

Land is listed on the EMR if certain types of activities (known as [notifiable activities](#)) have been, or are being, carried out on the land, or if the land is contaminated land. Contaminated land is land which is affected by a hazardous contaminant. When land is listed on the EMR for a notifiable activity, it is an indication that the land is likely to be contaminated but it does not mean it needs to be cleaned up or is not suitable for its current land use.

This will depend on the nature, extent and risks of any contamination on the land, which can be determined by [engaging a suitably qualified person](#) to carry out a site investigation. Where land is listed on the EMR because it is contaminated, details about the hazardous contaminant affecting the land will be included on the EMR as well as information about what land uses the land is suitable for. Where there is a site management plan in place to manage the contamination so it is suitable for a particular land use, the plan will also be attached to the EMR.

At any time the Department of Environment and Science may record land on the relevant land register under the *Environment Protection Act 1994* (EP Act), as a result of either a complaint about contamination or we may identify the contamination when we respond to a pollution incident or carry out a compliance action. Where there is sufficient evidence to warrant land being listed on the EMR or the CLR we issue a show cause notice to the landowner outlining the proposal and grounds for listing the land on the relevant land register.

Departmental Guidelines

The Department has a guideline ([ESR/2016/2044 Guideline: Listing and Removing land on the land registers \(des.qld.gov.au\)](#)) that provides policy guidance on the criteria for the Department to list sites on the EMR.

Notwithstanding the above information, in accordance with section 371(b) of the EP Act, the department is satisfied that a hazardous contaminant as mentioned under the EP Act is presented on (Lot 14 on Pan RP135029) “*the site*”.

The Department of Environment and Science has reviewed the following information provided under section 371(b) and is satisfied that the land is contaminated with a presence of hazardous contaminant on the land based on the following facts taken from the internal notification:

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Facts and circumstances:

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

Analytical results of sampling undertaken on 23 March 2021.

Soil samples obtained on 23 March 2021 showed elevated levels of Zinc, further investigation is required to determine whether ESL or HSL are exceeded.

Soil samples obtained on 23 March 2021 showed elevated levels of petroleum hydrocarbons, particularly in the heavier fractions. A full analysis is provided in the tech support advice who has agreed the site should be listed as hazardous contaminant (edocs#[14772459](#)).

The laboratory results have been assessed against nationally accepted soil investigation levels outlined in Schedule B1 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999, amended 2013* (NEPM). These guidelines provide both human health and environmental criteria for common contaminants for a range of land uses and soil types. Exceedance of the adopted criteria indicates a potential risk to human health or the environment and warrants further investigation and potentially management of those impacts.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C16-C34 (F3) concentrations exceeding ESLs for *commercial/industrial* (1,700mg/kg) were reported SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

Notwithstanding the above information, in accordance with section 371(a) of the EP Act, the department is satisfied that a Notifiable activity, includes item No. 37 – Waste storage, treatment or disposal as mentioned under the EP Act has been carried out on (Lot 14 on Pan RP135029) “*the site*”.

WASTE STORAGE, TREATMENT OR DISPOSAL - storing, treating, reprocessing or disposing of regulated waste (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50, 000 persons having sludge drying beds or on-site disposal facilities.

Facts and circumstances:

A fire occurred at the site on 18-19 March 2021 resulting in combustion of the tyres and waste grease. The combusted wastes and residue remain at the premises. Soil sampling was undertaken on 23 March 2021 to determine whether hazardous contaminants are present in the soils affected by the fire.

The site has been inspected (Edocs #8837651) by Gold Coast compliance and have found the site to contain stored regulated waste on the site being tyres. Photos from inspection undertaken on 11 November 2020 (edocs#14763721) shows the location of the tyres being stored.

The storing of a regulated waste is classed as a Notifiable activity, includes item No. 37 – Waste storage under schedule 3 of the EP Act.

If an investigation of the land has been conducted and DES holds a copy of a report prepared about the investigation, a copy of the report is attached.

As the owner of the land you may make a submission about why particulars of the land should not be included on the EMR. Submissions must be accompanied by a written declaration by the owner that the owner:

- (i) has not knowingly included any false or misleading information in the submission; and
- (ii) has given all relevant information to the authority.

Submissions must be received no later than 25 business days from the date of this notice.

After this date, if no submission has been received from the owner, particulars of the land will be recorded on the EMR. However, if you wish the particulars to be recorded earlier, you may advise in writing that you do not intend to make a submission.

With the issuing of this show cause notice under section 375, the following requirement applies under section 408 of the EP Act:

The owner must before agreeing to dispose of the land to someone else (the buyer), give written notice to the buyer stating that the land is the subject of a show cause notice under section 375.

For further information about contaminated land matters visit www.qld.gov.au, and search for "contaminated land".

sch4p4(6) Personal information

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Email: EMR.CLR.Registry@des.qld.gov.au

18 May 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

The Chief Executive Officer
Logan City Council
PO Box 3226
LOGAN CITY DC QLD 4114

NOTICE OF LAND LISTED ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 378 of the *Environmental Protection Act 1994* (EP Act) notice is given that the parcel of land described below has been listed on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

The parcel of land has been recorded on the EMR as, after careful consideration of any submissions, it is decided that the land has been affected by a hazardous contaminant. Details of the listing are provided below.

WASTE STORAGE, TREATMENT OR DISPOSAL - storing, treating, reprocessing or disposing of regulated waste (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50, 000 persons having sludge drying beds or on-site disposal facilities.

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For further information about contaminated land matters visit www.qld.gov.au, and search for "contaminated land".

sch4p4(6) Personal information

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
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18 May 2021

Site ID: 213956
File Number: 101/36141
Enquiries to: emr.clr.registry@des.qld.gov.au

GACRUX PTY LTD
105-115 KOPLICK ROAD
PARK RIDGE QLD 4125

NOTICE OF LAND LISTED ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 378 of the *Environmental Protection Act 1994* (EP Act) notice is given that the parcel of land described below has been listed on the Environmental Management Register (EMR).

Lot: 14 Plan: RP135029
Logan City Council

95-103 KOPLICK ROAD
PARK RIDGE QLD 4125

The parcel of land has been recorded on the EMR as, after careful consideration of any submissions, it is decided that the land has been affected by a hazardous contaminant. Details of the listing are provided below.

WASTE STORAGE, TREATMENT OR DISPOSAL - storing, treating, reprocessing or disposing of regulated waste (other than at the place it is generated), including operating a nightsoil disposal site or sewage treatment plant where the site or plant has a design capacity that is more than the equivalent of 50, 000 persons having sludge drying beds or on-site disposal facilities.

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Metals

Concentrations of all metals analysed remained below health investigations levels for low-density residential land use (HIL-A). This indicates that the metal concentrations do not pose a risk to human health in a low-density residential land-use setting.

Elevated zinc concentrations (6,250mg/kg) were reported in soil sample (SS1A). The laboratory analysis showed poor sample reproducibility with decreased Zn concentrations observed in duplicate soil samples SS1B (3,070mg/kg). This may be due to sample heterogeneity. Both of the zinc concentrations are elevated and have the potential to exceed Ecological Investigation Levels for Urban residential/open space and Commercial / industrial land use. However further analysis (CEC, pH and zn background levels) is required to confirm the potential exceedance.

Total Petroleum Hydrocarbons

There are three key criteria (HSL, ESL and management limits) that are used for petroleum hydrocarbons to assess risks to both human health and the environment.

HSL:

- Soil sample SS1A (240mg/kg) and SS1B (150mg/kg) reported TRH F2 (C10-C16 minus naphthalene) concentrations exceeding the NEPM Health Screening Levels for vapour intrusion for low and high-density residential land use (HSL-A) that is set at 110mg/kg.

ESL:

- TRH C10-C16 (F2) concentrations exceeding ESLs for *urban residential and public open space* (120mg/kg) were reported for SS1A (240mg/kg) and SS1B (150mg/kg). SS1A additionally exceeded the ESLs for *commercial / industrial* land use set at 170mg/kg.
- TRH C16-C34 (F3) concentrations exceeding ESLs for *urban residential and public open space* (300mg/kg) were reported for SS1A (720 mg/kg), SS1B (530 mg/kg), SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C16-C34 (F3) concentrations exceeding ESLs for *commercial/industrial* (1,700mg/kg) were reported SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F4) concentrations exceeding ESLs for *urban residential and public open space* (2,800mg/kg) were reported for SS2A (3120 mg/kg) and SS2B (3360 mg/kg).
- TRH C34-C40 (F4) exceeding ESLs for *commercial/industrial* land use (3300mg/kg) were reported for SS2B (3360 mg/kg).

TPH management limits:

- TRH C16-C34 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (2500 mg/kg) and *commercial/industrial* (3500mg/kg) were reported for SS2A (6020 mg/kg) and SS2B (6790 mg/kg).
- TRH C34-C40 (F3) concentrations exceeding the TPH Management Limits for *Residential, Parkland and Public Open Space* (10,000 mg/kg) and *commercial/industrial* (10,000mg/kg) were reported SS2B (10,200 mg/kg).

The owner may apply for a review of the decision to record the land in the EMR within 10 business days after receipt of this notice, in accordance with section 521 of the EP Act. If you decide to apply for a review you must, in accordance with section 521(3) also give notice to the local government that you are seeking a review. You must forward to the local government the following documents:

- a notice of the application (the "review notice");
- a copy of the application and supporting documents.

The review notice must inform the local government that submissions on the application may be made within 5 business days after the application is made to the Department of Environment and Science, as required by section 521(4) of the EP Act. A land owner dissatisfied with a review decision may appeal against the decision in accordance with section 531 of the EP Act.

The following requirements apply under section 408 of the EP Act for land listed on the EMR.

The owner must, before agreeing to dispose of the land to someone else (the buyer), give written notice to the buyer stating that the particulars of the land have been recorded in the register and, if details of a site management plan for the land are recorded in the register, details of the plan.

For further information about contaminated land matters visit www.qld.gov.au, and search for "contaminated land".

sch4p4(6) Personal information

Sally Thomas
Department of Environment and Science
Delegate of the Administering Authority
Environmental Protection Act 1994