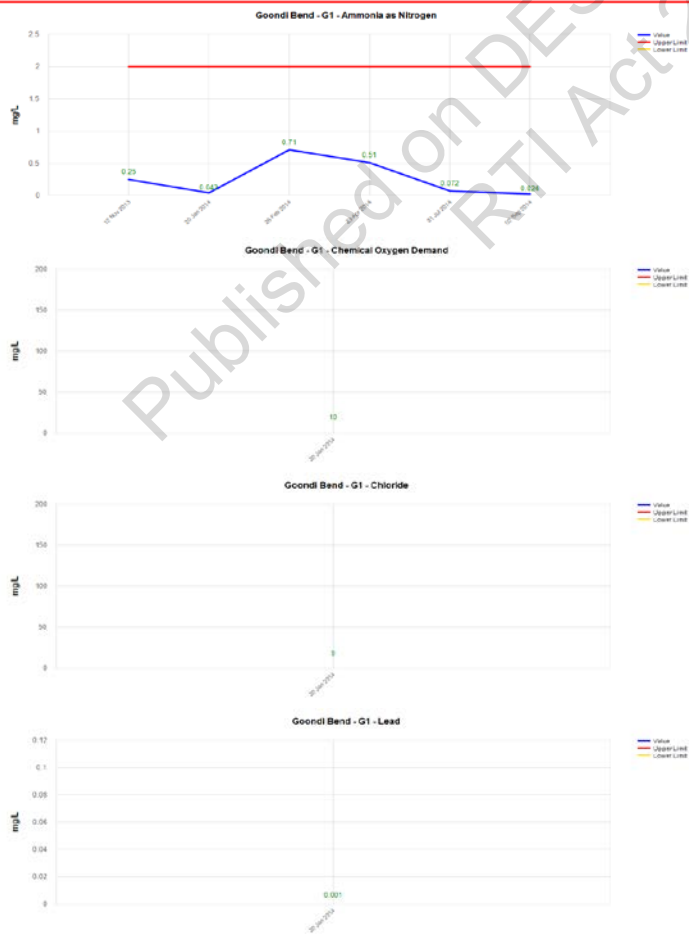
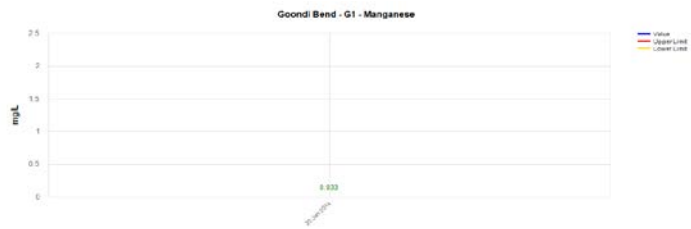
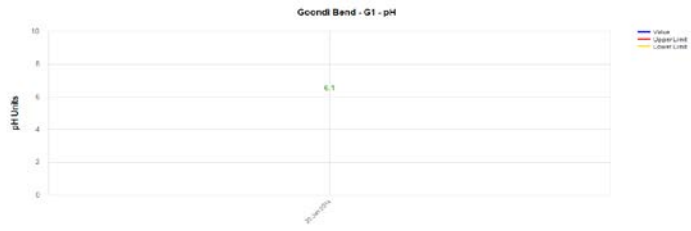
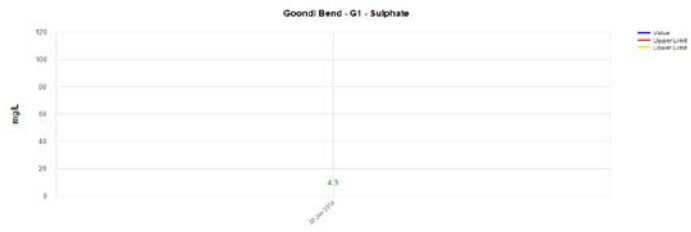
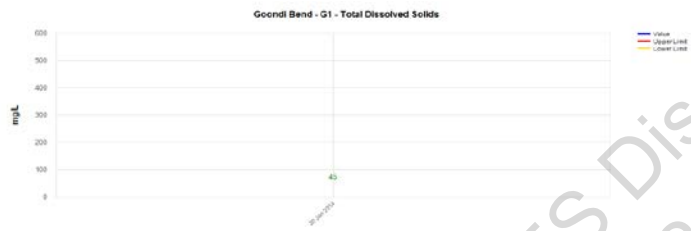
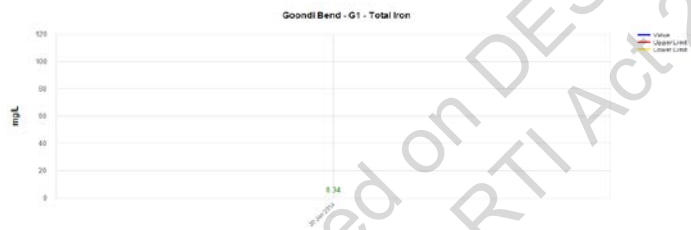
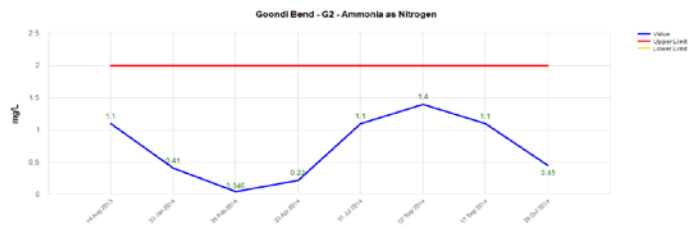
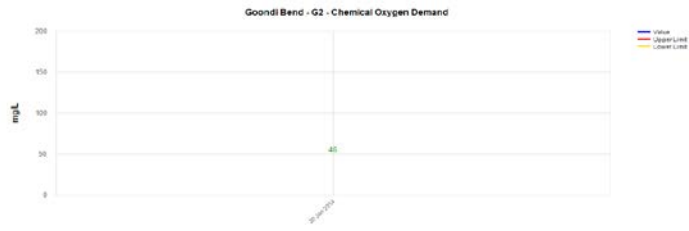
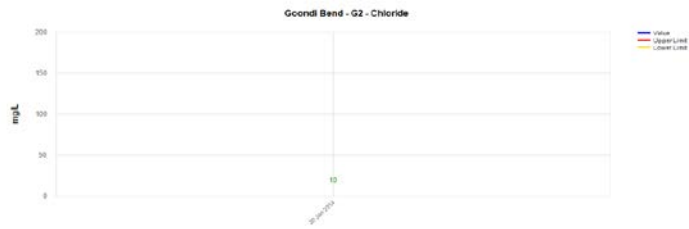
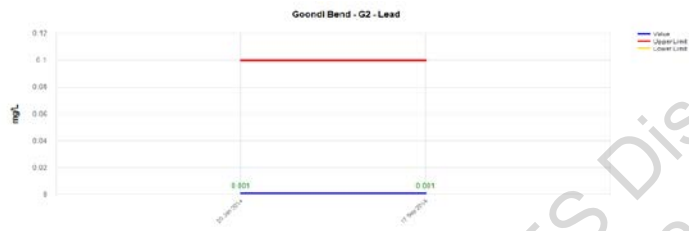
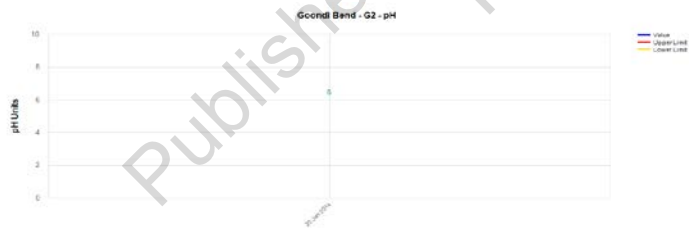
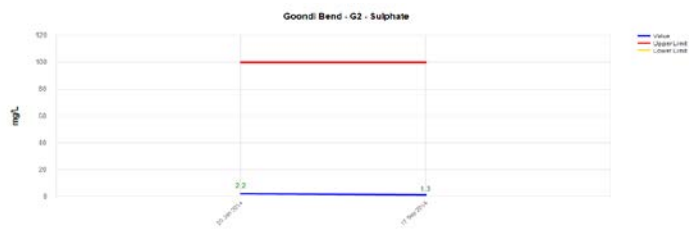
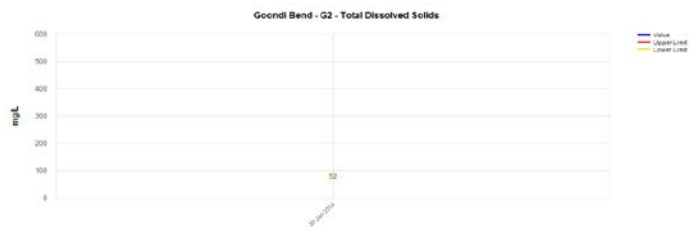
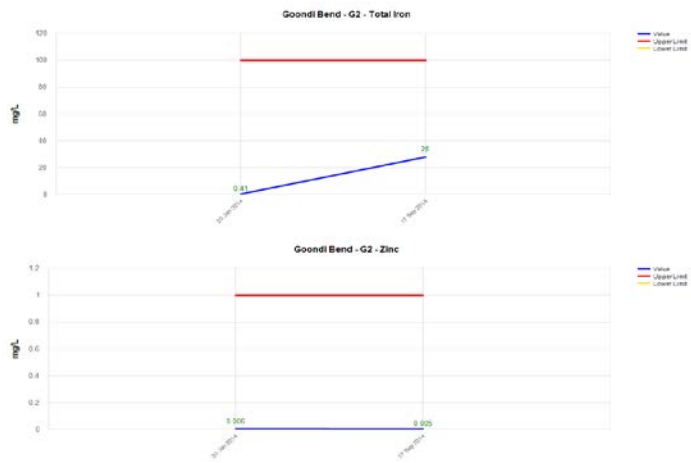


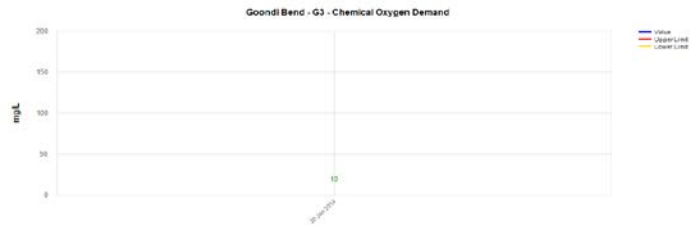
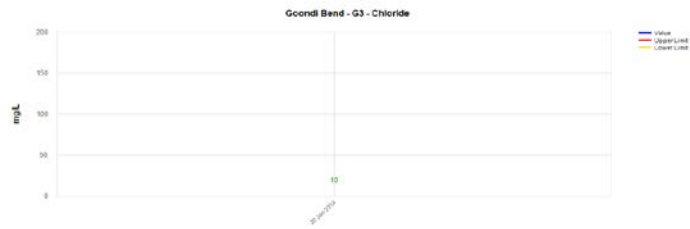
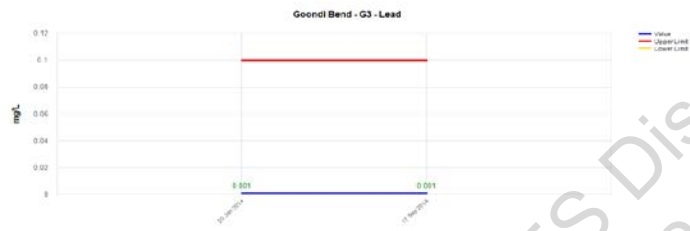
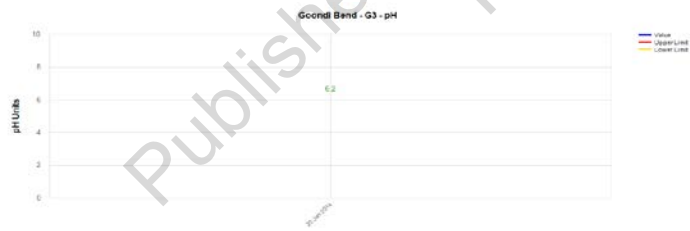
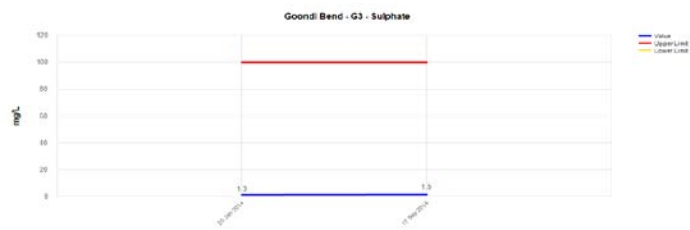
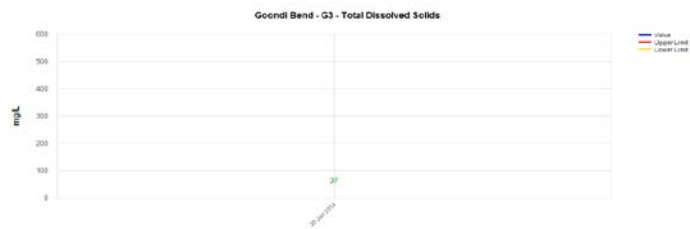


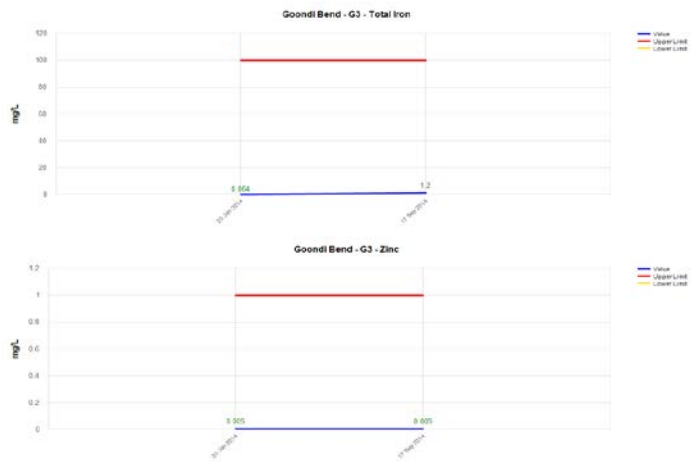




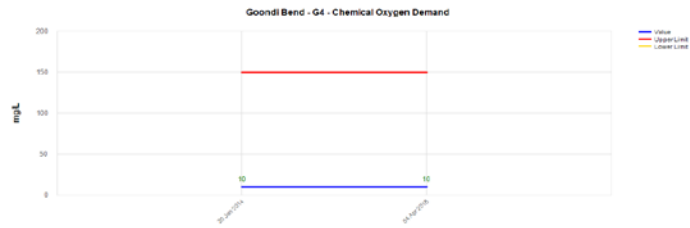
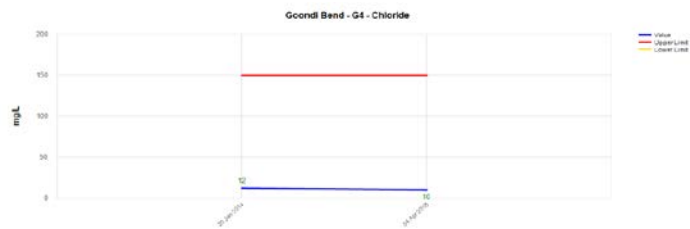
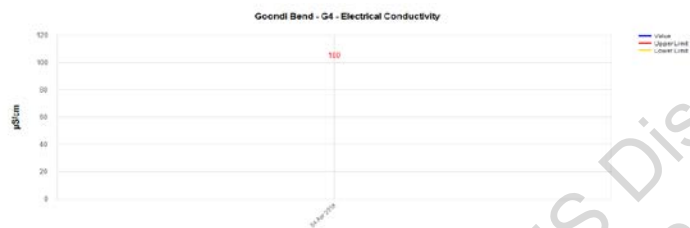
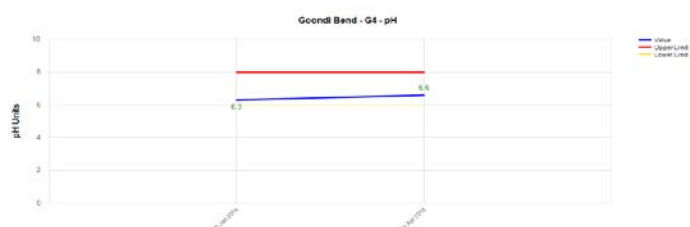
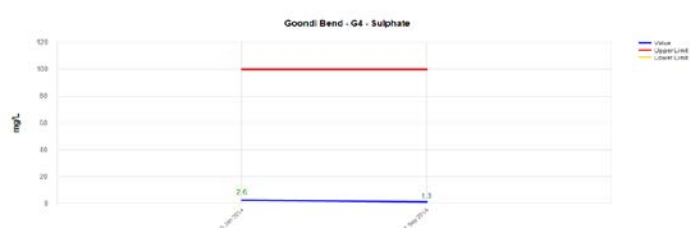


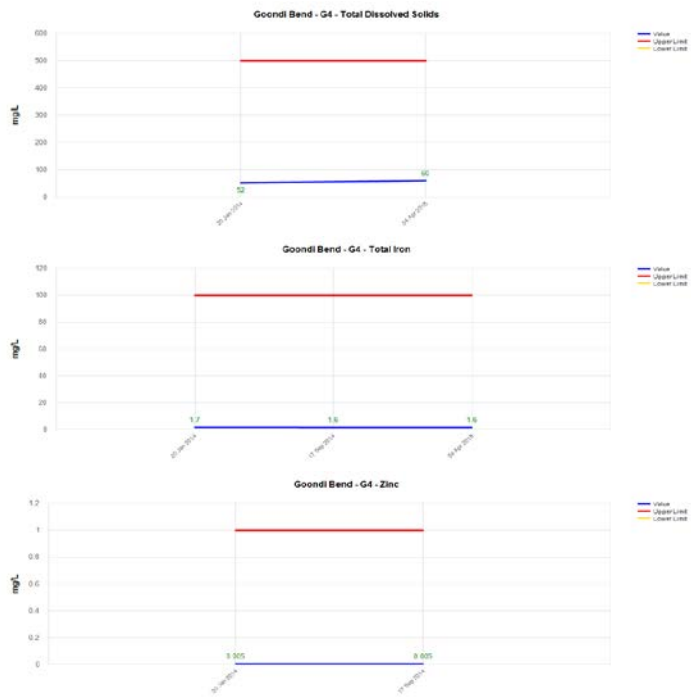
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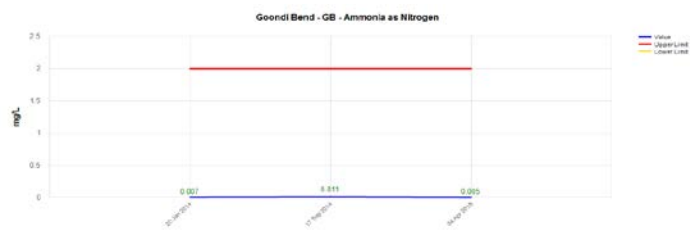
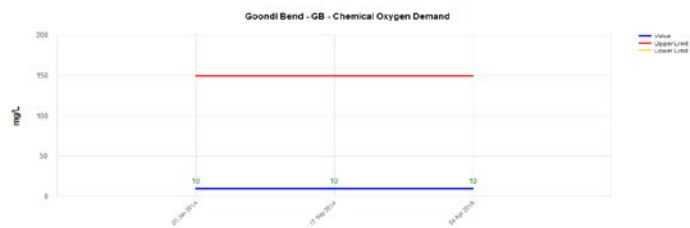
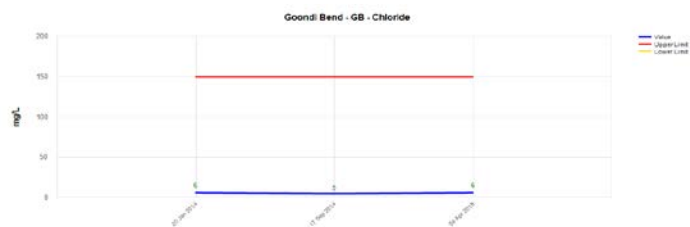
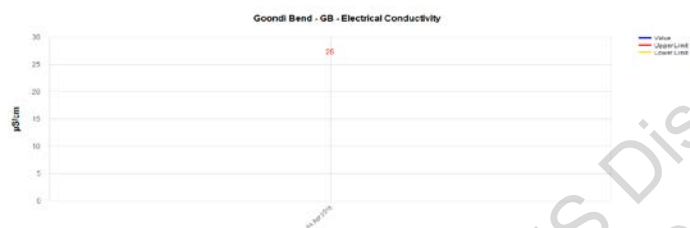
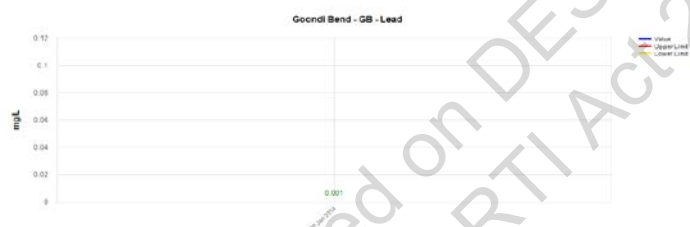
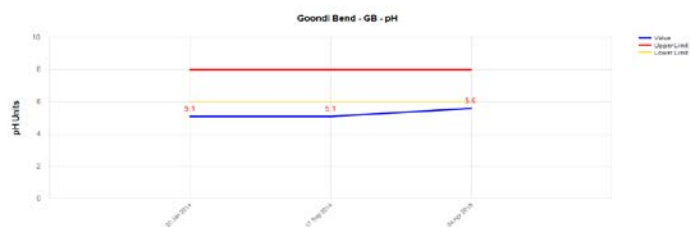
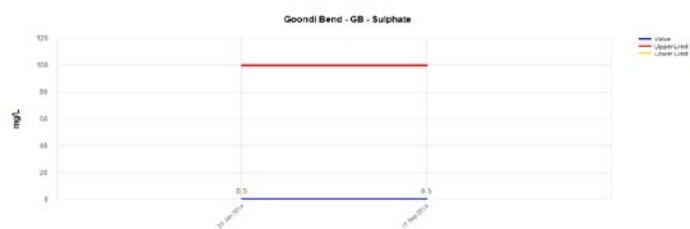


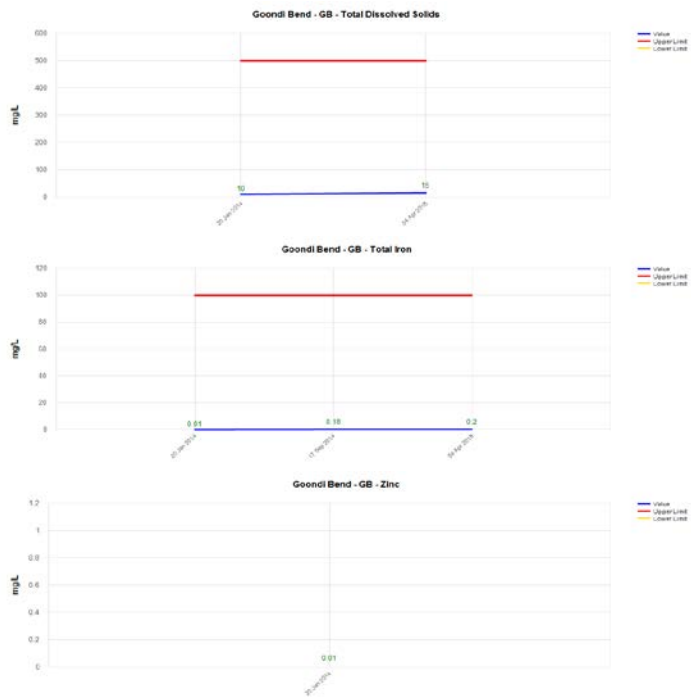
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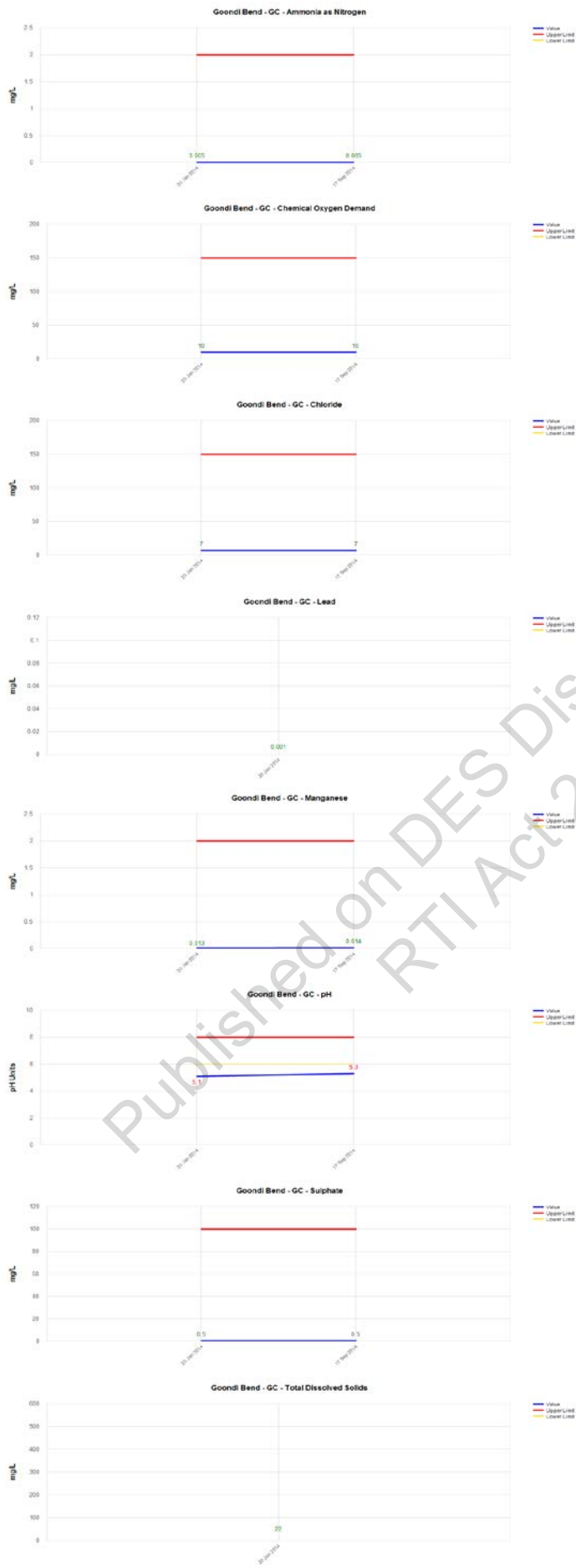


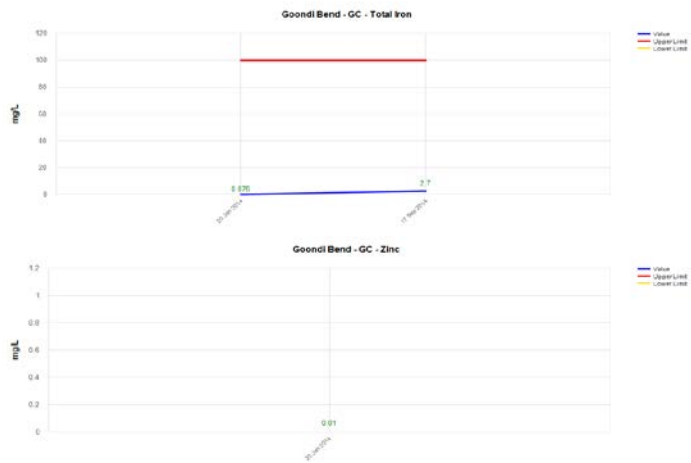
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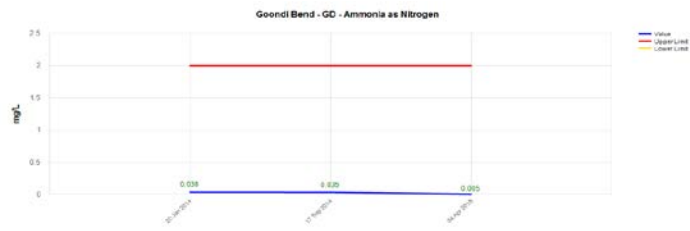
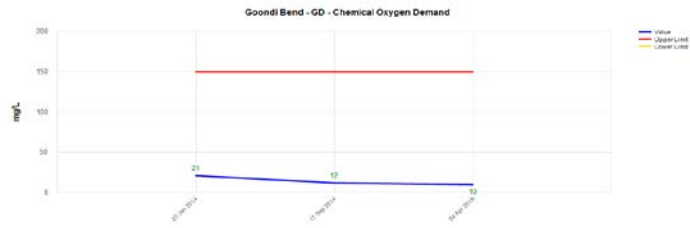
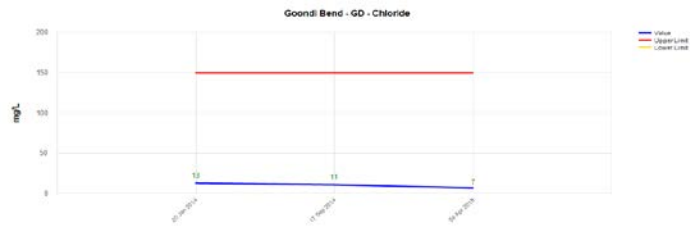
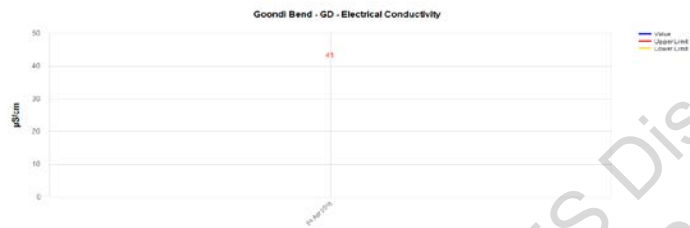
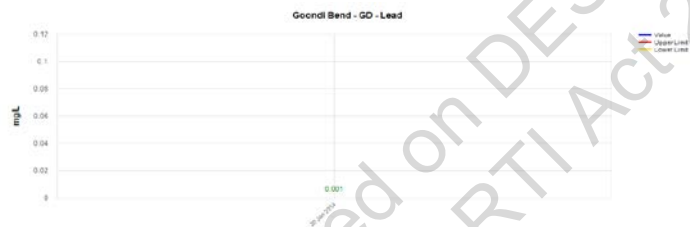
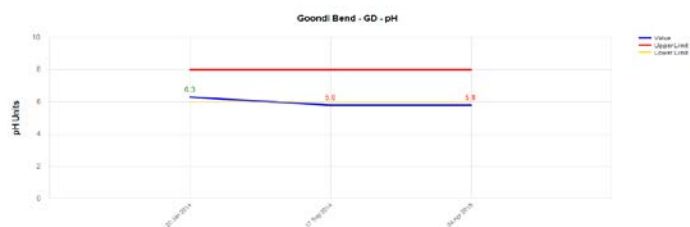
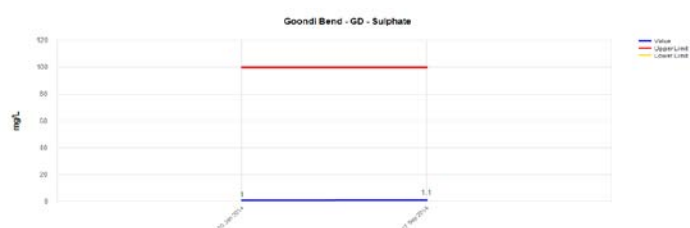


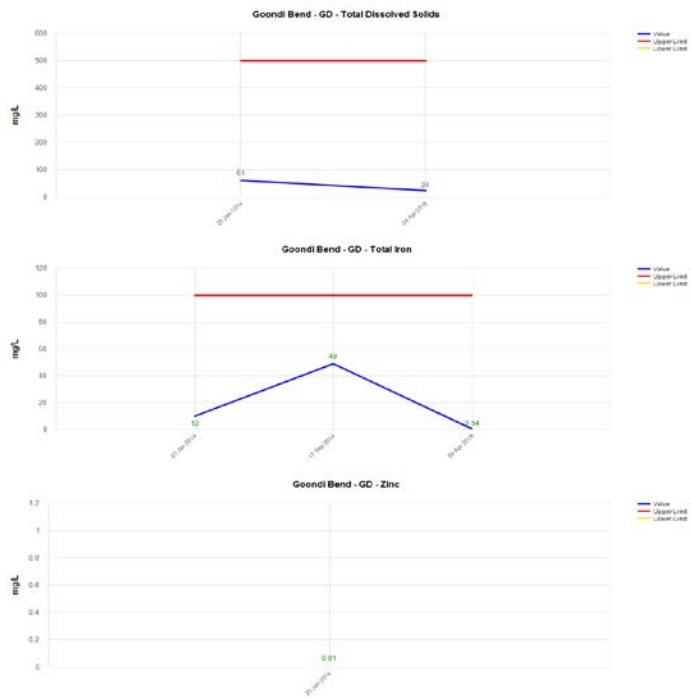
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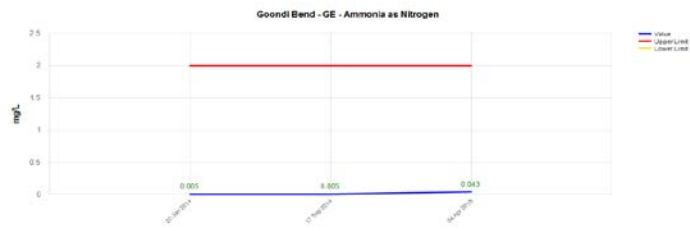
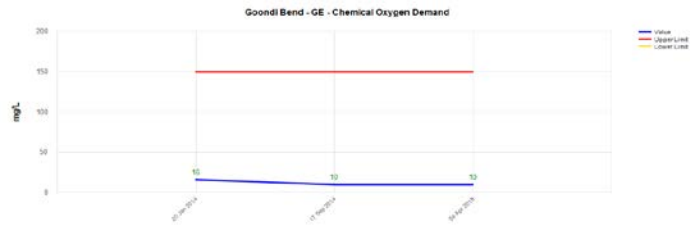
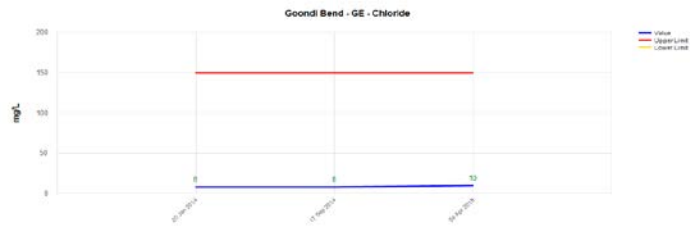
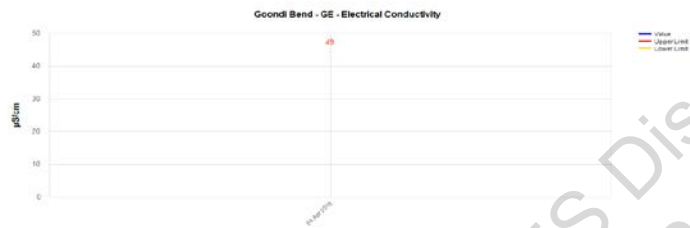
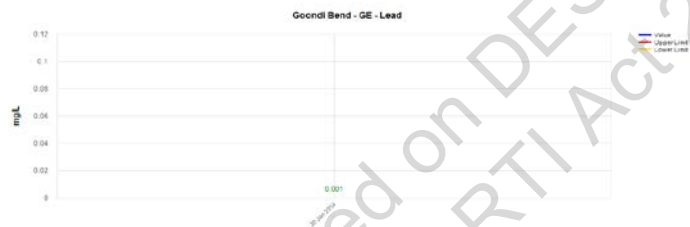
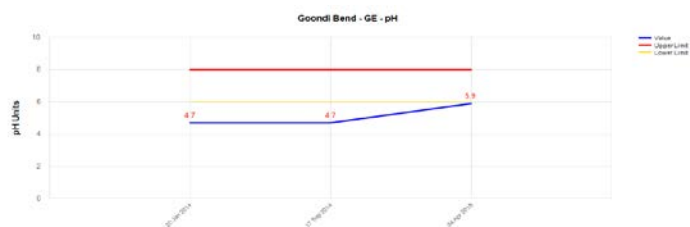
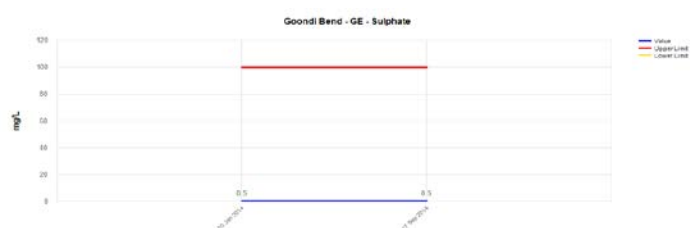


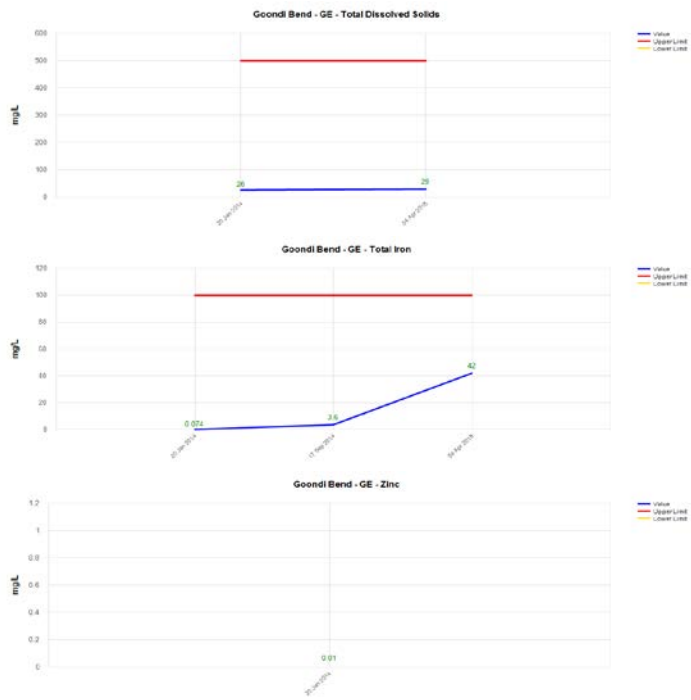
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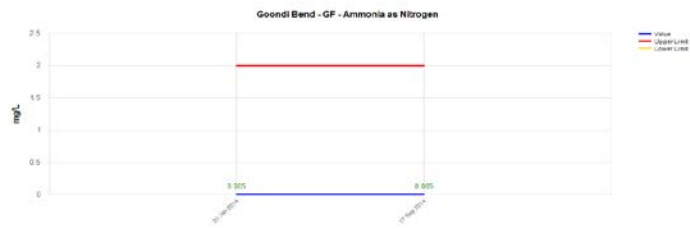
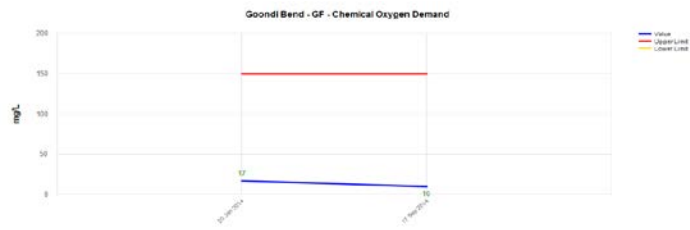
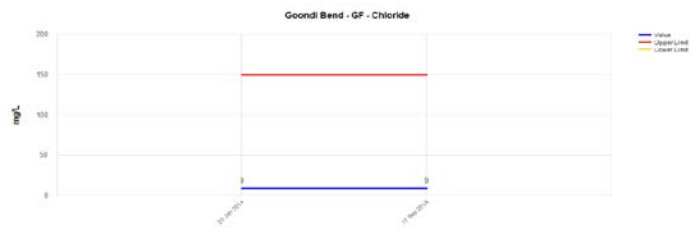
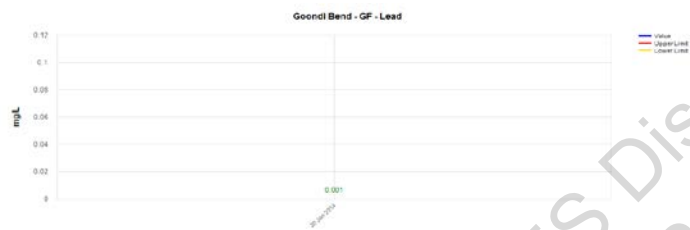
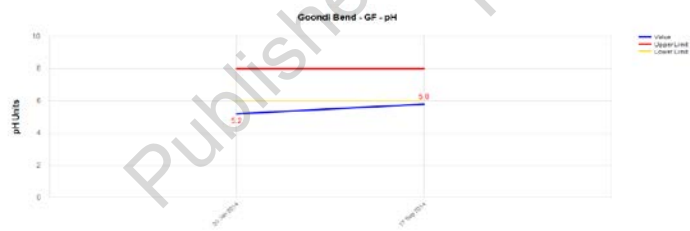
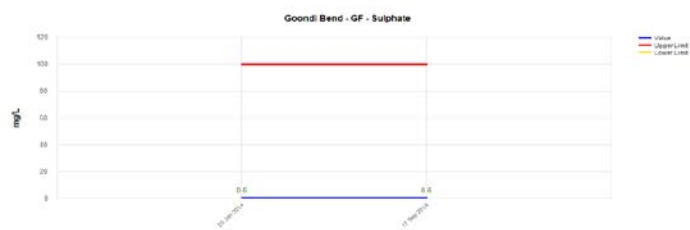
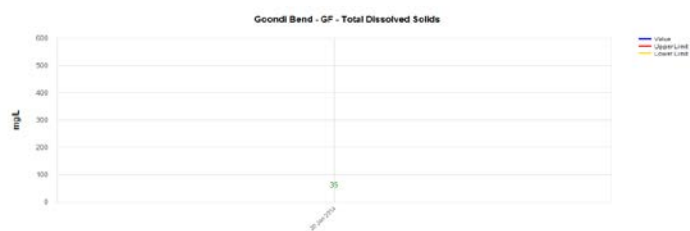


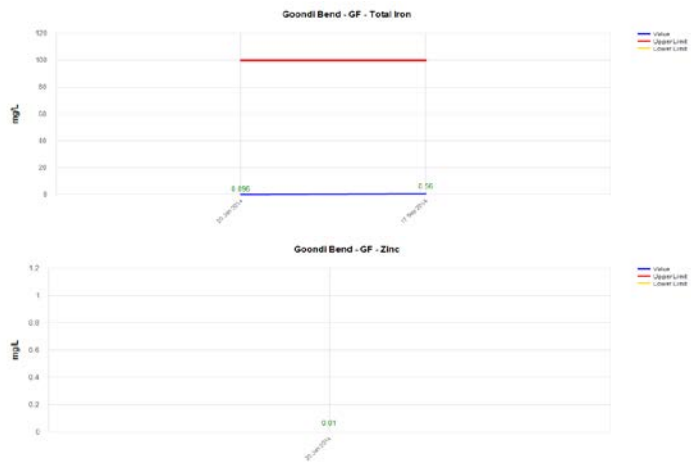
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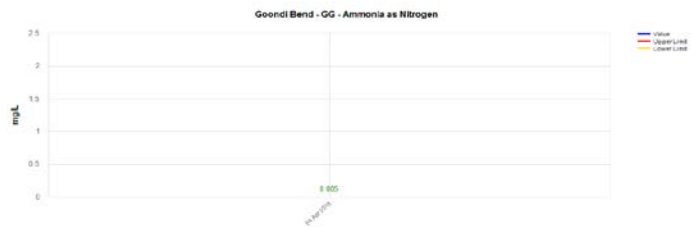
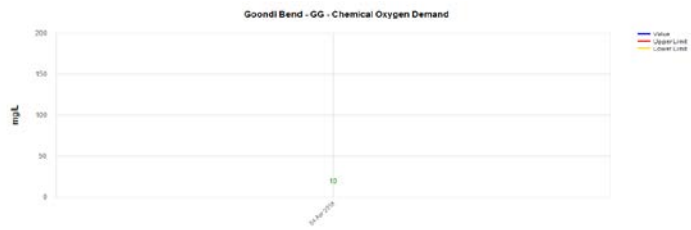
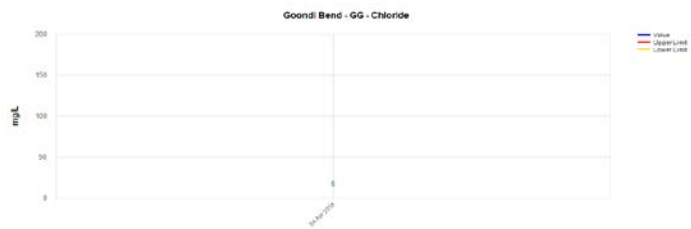
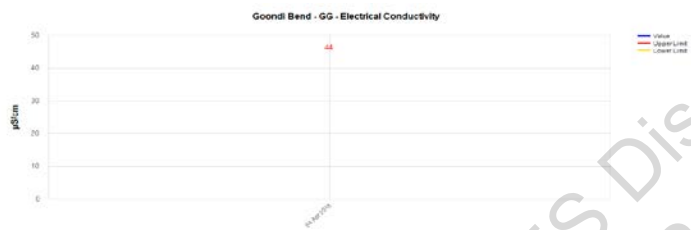
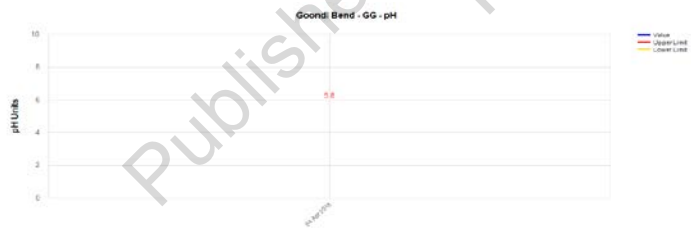
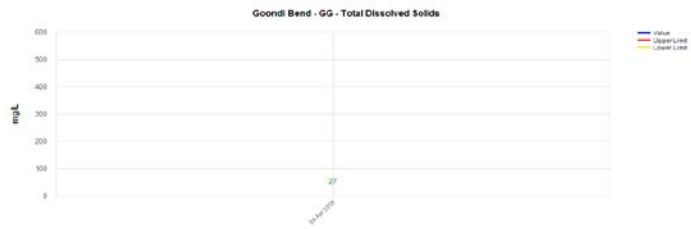
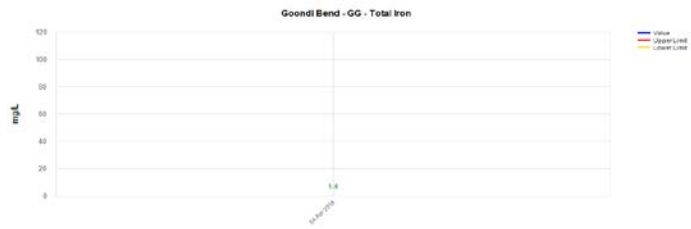


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Date : 22/03/2018 2:09:29 PM

From : "TRELOAR Kirstie"

To : "jim.straker@ccrc.qld.gov.au"

Cc : "QUICK Calvin"

Subject : Copies of the EAs

**Attachment : EDOCS-#5086098-v1-EA_AMENDMENT_-20161117_-EPPR01428213_-
_CASSOWARY_COAST_REGIONAL_COUNCIL.pdf;EA_Goondi Bend
Landfill.pdf;image001.png;image002.png;image003.jpg;**

Hi Jim,

As requested please find attached electronic versions of the two environmental authorities audited yesterday. I have updated Calvin on the two CCRC actions you mentioned.

Kind regards,



Kirstie Treloar

Senior Environmental Officer (Compliance)

Minerals and North Region Compliance | Environmental Services & Regulation

Department of Environment and Science

P 07 4222 5212

Level 3, 5B Sheridan Street , Cairns QLD 4870

PO Box 7230, Cairns , QLD 4870



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Certificate of Registration

No: ENRE00629207

This registration certificate is issued by the Environmental Protection Agency and does not take effect until the associated development permit for the activity takes effect.

The anniversary day for the purposes of the Annual Return is 30th January.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activity listed below at the following place; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-

Johnstone Shire Council
Rankin Street
INNISFAIL QLD 4860

Place:-

Lot 28 Plan CP845192

Location:-

Mahogany Street
GOONDI BEND QLD 4860

Registered Activity: -

ERA 75(a)(vii) Waste disposal - operating a facility for - disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 75 000 t but not more than 100 000 t a year.

sch4p4(6) Person

Cathy Birt
Delegate
Environmental Protection Agency

30-JAN-2007

ecoaccess

environmental licences and permits

Section 3.5.15 Integrated Planning Act 1997

EPA Permit¹ number: IPDE00543607A11

EPA Permit¹ number:	IPDE00543607A11
Assessment Manager reference:	as above
Date application received by EPA:	23-JAN-2007
Permit¹ Type:	Development Approval for a MCU involving an ERA
Date of Decision:	23 March 2007
Decision:	Approved with conditions
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and any subordinate legislation

Development Description

Property

Mahogany Street, GOONDI
BEND QLD 4860

Lot/Plan

Lot 28 Plan CP845192

Aspect of Development

ERA 75(a)(vii) Waste disposal - operating a facility for - disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 75 000 t but not more than 100 000 t a year.

DESPATCHED

NWdB

26 MAR 2007

RP34047612

Additional information for applicants

The standard currency periods stated in section 3.5.21 of the Integrated Planning Act 1997 or the nominated currency period, apply to each aspect of development in this permit¹. For information on when this permit¹ takes effect and the relevant currency periods, please see point 3 in the Notice of Decision.

Contaminated Land

It is a requirement of the *Environmental Protection Act 1994* that if an owner or occupier of land becomes aware a Notifiable Activity (as defined by Schedule 2 of the *Environmental Protection Act 1994*) is being carried out on the land or that the land has been affected by a hazardous contaminant, they must, within 30 days after becoming so aware, give notice to the Environmental Protection Agency.

Environmentally Relevant Activities

The aforementioned description of any environmentally relevant activity (ERA) for which this permit is issued is simply a restatement of the ERA as prescribed in the legislation at the time of issuing this permit. Where there

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

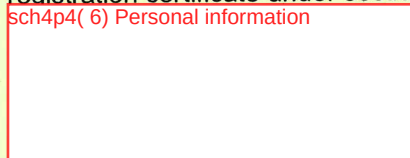


is any conflict between the abovementioned description of the ERA for which this permit is issued and the conditions specified herein as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This permit authorises the ERA. It does not authorise environmental harm unless a condition within this permit explicitly authorises that harm. Where there is no such condition, or the permit is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

In addition to this permit, the person to carry out the ERA must be a registered operator under the Environmental Protection Act 1994. For the person to become a registered operator, they must apply for a registration certificate under section 73F of the Environmental Protection Act 1994.

sch4p4(6) Personal information



Ingrid Fomiatti Minnesma
Delegate
Environmental Protection Agency
23-MAR-2007

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CONDITIONS OF APPROVAL

ERA 75(a)(vii) Waste disposal - operating a facility for - disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 75 000 t but not more than 100 000 t a year.

Agency Interest: General

(A1G1) No waste is to be received at the site for disposal after 30th March 2007.

(A1G2) All waste disposal areas at the site shall be capped by 31st July 2007.

(A1G3) Prevent and/or minimise likelihood of environmental harm.

In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.

(A1G4) Maintenance Of Measures, Plant and Equipment.

The operator of an ERA to which this approval relates must:

- (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
- (b) maintain such measures, plant and equipment in a proper and efficient condition; and
- (c) operate such measures, plant and equipment in a proper and efficient manner.

(A1G5) Site Based Management Plan.

From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:

- (a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
- (b) Identification of environmental issues and potential impacts.
- (c) Control measures for routine operations to minimise likelihood of environmental harm.
- (d) Contingency plans and emergency procedures for non-routine situations.
- (e) Organisational structure and responsibility.
- (f) Effective communication.
- (g) Monitoring of contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement.

(A1G6) Records.

Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

(A1G7) Closure And Post-Closure Care.

When the deposition of waste to the landfill unit ceases, a final cover system to the landfill unit must be installed which minimises:

- a) infiltration of water into the landfill unit;
- b) the likelihood of any erosion occurring to either the final cover system or the landfilled materials; and
- c) uncontrolled release of landfill gas.

(A1G8) All waste cells shall be capped with a minimum of 500mm of low permeability compacted clay or equivalent, to achieve hydraulic conductivity $K = 1 \times 10^{-8}$ m/s, covered by a 200-300mm soil sub base and 150mm of topsoil/mulch capable of sustaining vegetation.

(A1G9) Post-closure care of the landfill unit must be conducted following deposition of waste in the landfill unit, for:

- a) a period of 30 years; or
- b) such shorter period until the landfill unit and surrounding site are geotechnically stable and that no release of waste materials, leachate, landfill gas or other contaminants to the environment is likely.

(A1G10) A site management plan pursuant to Chapter 7, Part 8, Division 5 of the Environmental Protection Act 1994 must be developed and provided to the administering authority at least 12 months before the expected final closure of the landfill. The site management plan must include, but is not to be limited to, the future land use and actions you intend to take for compliance with the closure and post-closure care requirements of this approval.

(A1G11) Security.

Measures must be taken to prevent unauthorised access to the site to which this approval relates.

(A1G12) Fire-Fighting Access.

Clear access to the water supply for fire-fighting vehicles must be provided at all times.

(A1G13) An effective fire break must be provided and maintained.

(A1G14) Notification.

Telephone the EPA's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

(A1G15) Monitoring.

A competent person(s) must conduct any monitoring required by this approval.

(A1G16) Equipment Calibration.

All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

Agency Interest: Air

(A1A1)
Management Of Landfill Gas.

The release of landfill gas must not cause environmental harm.

(A1A2)
Landfill gas is not considered to cause environmental harm if landfill gas monitoring shows

that the release of methane does not exceed the following limits:

- a) 500 parts per million at a height of 50mm above the final and intermediate cover surface including the batter slopes of the landfill unit;
- b) 25 percent of the lower explosive limit when measured in facility structures (but excluding facility structures used for landfill gas control and landfill gas recovery system components); and
- c) the lower explosive limit at the landfill facility boundary.

(A1A3) Conduct and keep records of landfill gas monitoring which is performed at the following frequencies:

- a) at least every three months to assess compliance with the methane limit at a height of 50mm above the cover surface of the landfill unit prescribed by condition number A1A2; and
- b) at least every three months to assess compliance with methane limits for facility structures and at the boundary prescribed by A1A2.

(A1A4) Dust Nuisance.

The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive or commercial place.

(A1A5) Nuisance.

The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place.

(A1A6) Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive or commercial place:

- a) Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 of 2003 (or more recent editions); OR
- b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a nuisance sensitive or commercial place downwind of the site, when monitored in accordance with:
 - Australian Standard AS 3580.9.6 of 2003 (or more recent editions) 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
 - any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

(A1A7) When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:

- a) for a complaint alleging dust nuisance, dust deposition; and
- b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.

Agency Interest: Land

(A1L1) Preventing Contaminant Release To Land.

Contaminants must not be released to land.

(A1L2) Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Agency Interest: Noise

(A1N1) Noise Nuisance.

Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place

(A1N2) Noise Monitoring.

When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

- [- airblast overpressure (dB (Lin) Peak);]
- LA 10, adj, 10 mins
- LA 1, adj, 10 mins
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

(A1N3) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Agency Interest: Social

(A1S1) Complaint Response.

The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:

- a) Time, date, name and contact details of the complainant;
- b) reasons for the complaint;
- c) any investigations undertaken;
- d) conclusions formed; and
- e) any actions taken.

Agency Interest: Waste

(A1WT1) Waste Acceptance

Only the following wastes may be received at the site for disposal:

- a) solid inert wastes;
- b) Tropical Cyclone Larry generated demolition waste; and
- c) Tropical Cyclone Larry generated green waste;

(A1WT2)

Notwithstanding any condition of this approval, the following waste materials are not permitted or allowed to be

deposited in the landfill unit:

- a) liquid or semiliquid waste other than liquid or semiliquid waste which has been produced in carrying out the ERA;
- b) hot ash;
- c) material that is smouldering or aflame;
- d) material containing a substance which is ignitable, corrosive, reactive or toxic (other than materials containing a toxic substance from domestic premises) unless this material is to be deposited into a dedicated monocell approved in writing by the administering authority;
- e) all radioactive wastes, unless otherwise approved under the Radiation Safety Act 1999 or contaminated soil in accordance with [insert condition number];
- f) an explosive;
- g) ammunition, other than ammunition that no longer contains explosives, pyrotechnics or propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction;
- h) whole scrap tyres at the rate exceeding 10,000 equivalent passenger-tyre units (EPU) per annum; and
- i) regulated waste.

Agency Interest: Water

(A1W1) Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

(A1W2) A sediment dam must be operated to control the release of sediment or contaminants during all periods that the site accepts waste for disposal. The size of any sedimentation dam must be sufficient to contain the run-off expected from a 24 hour storm with an average recurrence interval of 1 in 5 years.

(A1W3) Authorised release point for discharges to surface waters.

- a) While waste is actively being disposed of on site contaminants must only be released from a discharge point in the sediment dam to the adjacent stormwater drain; or
- b) After waste disposal activities have ceased contaminants must only be released via the site's perimeter stormwater drain to surface waters at the north eastern corner of the site.

(A1W4) Monitoring of discharges to surface waters:

- a) During waste disposal activities waters held in the sediment pond must be monitored for the parameters contained in Table one not less frequently than monthly. Releases to waters from the sediment pond via the authorised release point must be monitored at the discharge location for the parameters contained in Table one not less frequently than once per week whilst discharging.
- b) After waste disposal activities have ceased waters discharged from the authorised release point must be monitored for the parameters contained in Table one not less frequently than monthly.

(A1W5) All determinations of the quality of contaminants released must be:

- (a) performed by a person or body possessing appropriate experience and qualifications to perform the required measurements; and
- (b) made in accordance with methods prescribed in the latest edition of the Environmental Protection Agency Water Quality Sampling Manual; and
- (c) carried out on samples that are representative of the discharge.

(A1W6) If discharges to surface waters exceed any of the contaminant trigger levels stated in Table one, the environmental authority holder must:

- (a) complete an investigation in accordance with the ANZECC (2000) methodology, or any updated ANZECC guidelines, into the potential for environmental harm; and
- (b) provide a written report to the administering authority within 3 months of the date of the original exceedence, outlining:
 - details of the investigations carried out; and
 - actions taken to prevent environmental harm.

Table one – Discharge to Surface Waters Contaminant Trigger Levels

Parameter	Unit	Trigger Levels	Level Type
Turbidity	NTU	80 th percentile ¹ of reference ² or 15NTU ³ , whichever is higher.	Median ⁵
pH	pH units	Minimum – 6.0 ³ or 20 th percentile ¹ of reference ² whichever is lower. Maximum 8.0 ³ or 80 th percentile ¹ of reference ² whichever is higher.	Median ⁵
Dissolved oxygen	Percentage saturation	80 th percentile ¹ of reference ² or 85% ³ saturation, whichever is lower	Median ⁵
Ammonia	µg/L	80 th percentile ¹ of reference ² or 10 ³ saturation, whichever is higher	Median ⁵
Electrical conductivity	µS/cm	80 th percentile ¹ of reference ² or 250µS/cm ⁴ , whichever is higher	Median ⁵

¹ Trigger levels based on the 80th or 20th percentile are derived using ANZECC (2000) and QWG methodology and are based on the reference sites defined in 2 below.

² Reference sites must:

- be from the same biogeographic and climatic region; and
- have similar geology, soil types and topography; and
- contain a range of habitats similar to those at the test sites; and
- a similar flow regime; and
- not be so close to the test sites that any disturbance at the test site also results in a change at the reference site.
- refer to QWG guidelines page 76 for further guidance

³ Limits based on values contained in the Queensland Water Quality Guidelines - Table 2.5.3.1 Regional guideline values for physio-chemical indicators – Wet Tropics Region – lowland streams

⁴ Limits based on ANZECC Table 3.3.5 – upper salinity limits for lowland rivers of slightly disturbed ecosystems in tropical Australia.

⁵ The median must be determined based on a maximum of ten (10) consecutive samples.

(A1W7) Sediment Management

Prevent the build up of sediment in any stormwater drain.

(A1W8) Contaminants other than settled/treated stormwater runoff waters must not be released from the site to surface waters or the bed or banks of surface waters.

(A1W9) Groundwater Monitoring.

Groundwater monitoring network must be installed for each landfill unit. The network must be:

- installed and maintained by a person possessing appropriate qualifications and experience in the fields of hydrogeology and groundwater monitoring program design to be able to competently make recommendations about these matters; and

- b) include a sufficient number of 'bore(s) of compliance' that are located not more than 150 metres from the landfill unit or the boundary of the landfill facility whichever is the closer, and provides the following:
- representative groundwater samples from the uppermost aquifer;
 - background groundwater quality in hydraulically up-gradient or background bore(s) that have not been affected by any release of contaminants to groundwaters; and
 - the quality of groundwater down gradient of any release of contaminants to groundwater including groundwater passing the relevant bore(s) of compliance.

(A1W10) Conduct groundwater monitoring and keep records of contaminant releases to groundwaters. All determinations of contaminant releases must be:

- made in accordance with methods prescribed in the latest edition of the Environmental Protection Agency Water Quality Sampling Manual;
- conducted at least at the frequency every three (3) months, locations determined by the groundwater monitoring network and for, water quality characteristics in Table two - Quality Characteristics of Groundwater Monitoring;
- continued following site closure for a period of thirty years or until the Administering Authority is satisfied that no further contaminant release is likely;
- undertaken before, during, after deposition of waste in the landfill unit;
- followed by assessment whether or not there has been any statistically significant adverse change compared to background values at locations hydraulically down gradient of the landfill unit for each quality characteristic in Table two - Quality characteristics of groundwater and surface water monitoring. When any such statistically significant adverse change is identified the Administering Authority must be notified within one week; and
- collated and submitted annually to the Administering Authority with the annual return, or if the registration for this site is surrendered then results must be submitted annually with the council's annual return submission under its Integrated Approval.

Table two - Quality characteristics of ground water & surface water monitoring

Quality Characteristic	Surface Water	Groundwater
pH	X	X
electrical conductivity	X	X
Total dissolved solids	X	X
dissolved oxygen	X	
bicarbonate (HCO ₃)		X
oxidised nitrogen	X	X
ammonia	X	X
calcium	X	X
sulphate	X	X
chloride		X
hexavalent chromium	X	
cadmium	X	
manganese	X	X
total iron	X	X
copper	X	X
lead	X	X
zinc	X	X
pesticides (organochlorines and organophosphates)	X	X
Polycyclic Aromatic Hydrocarbons (PAHs)	X	X
Total Petroleum Hydrocarbons	X	X
BTEX (Benzene, Toluene, Ethyl Benzene and Xylene)	X	X
Chemical Oxygen Demand (COD)		X
5-Day Biological Oxygen Demand (BOD ₅)	X	

(A1W11) Surface Water Monitoring

An effective surface water monitoring program must be developed and implemented for the site. The program must include, but not be limited to, a sufficient number of monitoring locations to:

1. establish the reference quality of surface waters upstream from the landfill;
2. detect any impact on surface waters as a consequence of landfill operation;

(A1W12) The surface water monitoring program specified in condition number (A1W11) must monitor and record the quality of surface water for at least the quality characteristics identified in Table two.

(A1W13) Surface water quality samples must be collected from sample points in accordance with the surface water monitoring program at least every three months, or, in the event of no sample being obtainable in ephemeral systems at this time, during the next period of flow of the watercourse.

(A1W14) Monitoring must be continued following site closure for a period of thirty years or until the Administering Authority is satisfied that no further contaminant release is likely. All results must be collated and supplied to the administering authority with the annual return, or if the registration for this site is surrendered then results must be submitted annually with the council's annual return submission under its Integrated Approval.

DEFINITIONS

Words and phrases used throughout this permit¹ are defined below. Where a definition for a term used in this permit¹ is sought and the term is not defined within this permit¹ the definitions provided in the relevant legislation shall be used.

"administering authority" means the Environmental Protection Agency or its successor.

"annual return" means the return required by the annual notice (under section 316 of the *Environment Protection Act 1994*) for the section 73F registration certificate that applies to the development approval.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

"approved plans" means the plans and documents listed in the approved plans section in the notice attached to this development approval.

"authorised place" means the place authorised under this development approval for the carrying out of the specified environmentally relevant activities.

"commercial place" means a place used as an office or for business or commercial purposes.

"dwelling" means any of the following structures or vehicles that is principally used as a residence –

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

"Environmental Protection Agency" means the department or agency (whatever called) administering the *Coastal Protection and Management Act 1995* or the *Environmental Protection Act 1994*.

"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.
- In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 – 1997 Acoustics – Description and Measurement of Environmental Noise Part 2 – Application to Specific Situations.

" $L_{A 10, \text{adj}, 10 \text{ mins}}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

" $L_{A 1, \text{adj}, 10 \text{ mins}}$ " means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

" $L_{A, \text{max adj}, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"mg/L" means milligrams per litre.

"noxious" means harmful or injurious to health or physical well being.

"NTU" means nephelometric turbidity units.

"nuisance sensitive place" includes –

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the *Environmental Protection Regulation 1998* (whether or not it has been treated or immobilised), and includes –

- for an element - any chemical compound containing the element; and
- anything that has contained the waste.

"site" means land or tidal waters on or in which it is proposed to carry out the development approved under this development approval.

"watercourse" means a river, creek or stream in which water flows permanently or intermittently–

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

"works" or "operation" means the development approved under this development approval.

"you" means the holder of this development approval or owner / occupier of the land which is the subject of this development approval.

"50th percentile" means not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any six (6) consecutive samples for a release/monitoring point at any time during the environmental activity(ies) works.

"80th percentile" means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works

END OF CONDITIONS

Date : 29/03/2018 1:57:13 PM
From : "Straker, Jim"
To : "QUICK Calvin" , "TRELOAR Kirstie"
Cc : "Hammond, Gavin"
Subject : my last day at CCRC
Attachment : 118032914571900725.png;

Good afternoon Calvin & Kirsty,

Today is my last day here at CCRC.

I want to let you know the status of things here since your visit:

- s.73
- Sampling of bores and surface waters at s.73 Goondi Bend will be undertaken by Aecom during the week commencing 3rd April

Thank you for the professional manner in which your inspection was carried out.

Kind regards,

Jim Straker | A/Coordinator Environmental Services | Cassowary Coast Regional Council
PO Box 887, Innisfail Qld 4860 | T 1300 763 903 | D 07 4043 9187 (Tully) | sch4p4(6) Perso
E | jim.straker@ccrc.qld.gov.au W | cassowarycoast.qld.gov.au



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Date : 7/11/2018 2:56:34 PM
From : "Dearlove, John"
To : "QUICK Calvin"
Cc : "Smart, Geoffrey" , "Bandiera, Shane" , "Hammond, Gavin" , "BENNETT Timothy"
Subject : RE: Meeting between Department of Environment and Science and Cassowary Coast Regional Council
Attachment : image001.png;image005.png;image006.png;image007.jpg;118110715564200459.gif;

Hi Calvin,

From a solid waste perspective we were hoping to show you the progress with post closure site management at the old Goondi landfill along with status to resolve matters with the Bourkes regarding drainage encroachment onto their land.

Also to view current sampling results and compare with some historic sampling data for Goondi s.73 then consider our licence conditions applicability for sampling and see if there is scope for adjusting ie where some parameters over time have no detections and the requirement for continued gas monitoring.

Kind Regards

John Dearlove

Coordinator Environmental Services | Cassowary Coast Regional Council

P: 07 40302267 (Innisfail) or 403439187 (Tully) sch4p4(6) Personal
E: john.dearlove@ccrc.qld.gov.au W: www.cassowarycoast.qld.gov.au
PO Box 887, Innisfail QLD 4860

From: QUICK Calvin [mailto:Calvin.Quick@des.qld.gov.au]
Sent: Wednesday, 7 November 2018 2:31 PM
To: Hammond, Gavin <Gavin.Hammond@ccrc.qld.gov.au>; Dearlove, John <John.Dearlove@ccrc.qld.gov.au>; Smart, Geoffrey <Geoffrey.Smart@ccrc.qld.gov.au>; Bandiera, Shane <Shane.Bandiera@ccrc.qld.gov.au>; BENNETT Timothy <Timothy.Bennett@des.qld.gov.au>
Subject: Meeting between Department of Environment and Science and Cassowary Coast Regional Council

Hi guys,

I thought I would touch base again regarding the Friday's meeting. If you have any agenda items you would like to discuss please send me through a few dot points. If I have that information I will do my best to make sure I have the information for a response on Friday. s.73

Unfortunately Quinn McDonald has had to pull out of the meeting with other commitments. However I will bringing Tim Bennett along in his stead.

I look forward to seeing you all on Friday.

Kind regards,
Calvin.



Calvin Quick

Senior Environmental Officer (Compliance)
Minerals & North Queensland Compliance | Environmental Services & Regulation
Department of Environment and Science
P 07 4222 5161 E calvin.quick@des.qld.gov.au W www.des.qld.gov.au
Level 3, 5B Sheridan Street, Cairns Qld 4870
PO Box 7230, Cairns Qld 4870



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.

Authorised Person under the *Environmental Protection Act 1994*, *Coastal Protection and Management Act 1995*, *Queensland Heritage Act 1992*, *Waste Reduction and Recycling Act 2011*

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RTI Act 2009

Date : 7/11/2018 3:18:25 PM

From : "Dearlove, John"

To : "QUICK Calvin"

Subject : RE: Meeting between Department of Environment and Science and Cassowary Coast Regional Council

Attachment : image001.png;image008.png;image009.png;image010.jpg;image011.png;image012.png;image013.gif;

Yes Calvin,

Am intending to visit Goondi Bend so if we have a half hour in the office for introduction, 1 hour at Goondi and the rest for discussions we can try & fit most of the proposed in but may push out to 3 hours. f not can always be left for another time.

From: QUICK Calvin [mailto:Calvin.Quick@des.qld.gov.au]

Sent: Wednesday, 7 November 2018 3:09 PM

To: Dearlove, John <John.Dearlove@ccrc.qld.gov.au>

Subject: RE: Meeting between Department of Environment and Science and Cassowary Coast Regional Council

Thanks for the response John. Are we going to visit Goondi Bend? Is 2 hours going to be enough?



Calvin Quick

Senior Environmental Officer (Compliance)

Minerals & North Queensland Compliance | Environmental Services & Regulation
Department of Environment and Science

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Authorised Person under the *Environmental Protection Act 1994*, *Coastal Protection and Management Act 1995*,
Queensland Heritage Act 1992, *Waste Reduction and Recycling Act 2011*

From: Dearlove, John [mailto:John.Dearlove@ccrc.qld.gov.au]

Sent: Wednesday, 7 November 2018 2:57 PM

To: QUICK Calvin <Calvin.Quick@des.qld.gov.au>

Cc: Smart, Geoffrey <Geoffrey.Smart@ccrc.qld.gov.au>; Bandiera, Shane <Shane.Bandiera@ccrc.qld.gov.au>; Hammond, Gavin <Gavin.Hammond@ccrc.qld.gov.au>; BENNETT Timothy <Timothy.Bennett@des.qld.gov.au>

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John Dearlove

Coordinator Environmental Services | Cassowary Coast Regional Council

P: 07 40302267 (Innisfail) or 403439187 (Tully) M sch4p4(6) Persona

E: john.dearlove@ccrc.qld.gov.au W: www.cassowarycoast.qld.gov.au

PO Box 887, Innisfail QLD 4860

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Sent: Wednesday, 7 November 2018 2:31 PM

To: Hammond, Gavin <Gavin.Hammond@ccrc.qld.gov.au>; Dearlove, John <John.Dearlove@ccrc.qld.gov.au>; Smart, Geoffrey <Geoffrey.Smart@ccrc.qld.gov.au>; Bandiera, Shane <Shane.Bandiera@ccrc.qld.gov.au>; BENNETT Timothy

<Timothy.Bennett@des.qld.gov.au>

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Calvin.



Calvin Quick

Senior Environmental Officer (Compliance)

Minerals & North Queensland Compliance | Environmental Services & Regulation

Department of Environment and Science

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Date : 7/11/2018 3:09:29 PM

From : "QUICK Calvin"

To : "Dearlove, John"

Subject : RE: Meeting between Department of Environment and Science and Cassowary Coast Regional Council

Attachment : image001.png;image002.png;image003.png;image004.jpg;image005.png;image006.png;image007.gif;

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Minerals & North Queensland Compliance | Environmental Services & Regulation

Department of Environment and Science

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Authorised Person under the *Environmental Protection Act 1994*, *Coastal Protection and Management Act 1995*, *Queensland Heritage Act 1992*, *Waste Reduction and Recycling Act 2011*

From: Dearlove, John [<mailto:John.Dearlove@ccrc.qld.gov.au>]

Sent: Wednesday, 7 November 2018 2:57 PM

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Cc: Smart, Geoffrey <Geoffrey.Smart@ccrc.qld.gov.au>; Bandiera, Shane <Shane.Bandiera@ccrc.qld.gov.au>; Hammond, Gavin <Gavin.Hammond@ccrc.qld.gov.au>; BENNETT Timothy <Timothy.Bennett@des.qld.gov.au>

Subject: RE: Meeting between Department of Environment and Science and Cassowary Coast Regional Council

Hi Calvin,

From a solid waste perspective we were hoping to show you the progress with post closure site management at the old Goondi landfill along with status to resolve matters with the Bourkes regarding drainage encroachment onto their land.

Also to view current sampling results and compare with some historic sampling data for Goondi s.73 then consider our licence conditions applicability for sampling and see if there is scope for adjusting ie where some parameters over time have no detections and the requirement for continued gas monitoring.

Kind Regards

John Dearlove

Coordinator Environmental Services | Cassowary Coast Regional Council

P: 07 40302267 (Innisfail) or 403439187 (Tully) sch4p4(6) Personal info

E: john.dearlove@ccrc.qld.gov.au W: www.cassowarycoast.qld.gov.au

PO Box 887, Innisfail QLD 4860

From: QUICK Calvin [<mailto:Calvin.Quick@des.qld.gov.au>]

Sent: Wednesday, 7 November 2018 2:31 PM

To: Hammond, Gavin <Gavin.Hammond@ccrc.qld.gov.au>; Dearlove, John <John.Dearlove@ccrc.qld.gov.au>; Smart, Geoffrey <Geoffrey.Smart@ccrc.qld.gov.au>; Bandiera, Shane <Shane.Bandiera@ccrc.qld.gov.au>; BENNETT Timothy <Timothy.Bennett@des.qld.gov.au>

Subject: Meeting between Department of Environment and Science and Cassowary Coast Regional Council

Hi guys,

I thought I would touch base again regarding the Friday's meeting. If you have any agenda items you would like to discuss please send me through a few dot points. If I have that information I will do my best to make sure I have the information for a response on Friday. s.73

Unfortunately Quinn McDonald has had to pull out of the meeting with other commitments. However I will bringing Tim Bennett along in his stead.

I look forward to seeing you all on Friday.

Kind regards,
Calvin.



Calvin Quick

Senior Environmental Officer (Compliance)
Minerals & North Queensland Compliance | Environmental Services & Regulation
Department of Environment and Science

P 07 4222 5161 E calvin.quick@des.qld.gov.au W www.des.qld.gov.au
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PO Box 7230, Cairns Qld 4870



Authorised Person under the *Environmental Protection Act 1994*, *Coastal Protection and Management Act 1995*,
Queensland Heritage Act 1992, *Waste Reduction and Recycling Act 2011*

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Date : 29/03/2018 2:22:30 PM
From : "QUICK Calvin"
To : "Straker, Jim"
Subject : RE: my last day at CCRC
Attachment : image001.png;image003.jpg;image004.png;image005.png;

Thanks Jim. Take care and good luck.

Calvin.



Calvin Quick
A/Team Leader (Compliance)
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PO Box 7230, Cairns Qld 4870



From: Straker, Jim [mailto:Jim.Straker@ccrc.qld.gov.au]
Sent: Thursday, 29 March 2018 1:57 PM
To: QUICK Calvin <Calvin.Quick@des.qld.gov.au>; TRELOAR Kirstie <Kirstie.Treloar@des.qld.gov.au>
Cc: Hammond, Gavin <Gavin.Hammond@ccrc.qld.gov.au>
Subject: my last day at CCRC

Good afternoon Calvin & Kirsty,

Today is my last day here at CCRC.

I want to let you know the status of things here since your visit:

- s.73
- Sampling of bores and surface waters at s.73 Goondi Bend will be undertaken by Aecom during the week commencing 3rd April

Thank you for the professional manner in which your inspection was carried out.

Kind regards,

Jim Straker | A/Coordinator Environmental Services | Cassowary Coast Regional Council
PO Box 887, Innisfail Qld 4860 | T 1300 763 903 | D 07 4043 9187 (Tully) | sch4p4(6) Persd
E | jim.straker@ccrc.qld.gov.au W cassowarycoast.qld.gov.au



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Date : 19/03/2018 9:51:45 AM

From : "QUICK Calvin"

To : "jim.straker@ccrc.qld.gov.au" , "gavin.hammond@ccrc.qld.gov.au"

Cc : "TRELOAR Kirstie"

Subject : RE: Proposed catch-up and inspections of s.73 and Goondi Bend Landfills

Attachment : image001.png;image002.png;image003.jpg;image005.png;

Hi Jim,

I'm just following up on how you are progressing to provide the information requested below? It would be good to have the opportunity to review it prior to the inspection.

Thanks,
Calvin.



Calvin Quick

A/Team Leader (Compliance)

Minerals & North Queensland Compliance | Environmental Services & Regulation
Department of Environment and Science

P 07 4222 5161 E calvin.quick@des.qld.gov.au W www.des.qld.gov.au

Level 3, 5B Sheridan Street, Cairns Qld 4870

PO Box 7230, Cairns Qld 4870



From: QUICK Calvin

Sent: Monday, 5 March 2018 4:15 PM

To: 'jim.straker@ccrc.qld.gov.au' <jim.straker@ccrc.qld.gov.au>; 'gavin.hammond@ccrc.qld.gov.au' <gavin.hammond@ccrc.qld.gov.au>; 'records@ccrc.qld.gov.au' <records@ccrc.qld.gov.au>

Cc: TRELOAR Kirstie <Kirstie.Treloar@des.qld.gov.au>

Subject: Proposed catch-up and inspections of s.73 and Goondi Bend Landfills

Hi Jim,

Thanks for taking the time to talk with me last week. It would be great to catch-up and meet you finally. I was thinking it would good to meet you at your Tully office to introduce ourselves. Then we can do a compliance inspection at s.73 and Goondi Bend Landfill in the afternoon. I propose to meet you at your Tully office at 9:45am (what is the address?), undertake the site inspection of s.73 s.73 Goondi Bend Landfill at 1:30pm on **21 March 2018**. Are these times suitable?

The objective of the inspection is to assess compliance with the conditions of environmental authority EPPR04128213 (EA) - Part 1 s.73 s.73 development Approval IPDE00543607A11 (Goondi Bend Landfill) and the *Environmental Protection Act 1994*. I expect we will be on-site for approximately 1.5 hours at s.73 and 2.5 hours at Goondi Bend Landfill. The inspection will also have a focus on leachate management at both sites and post closure care and final capping certification at Goondi Bend. We intend to do some water sampling at Goondi Bend as a component of this.

Prior to the inspection could you please provide the department with the following information by **16 March 2018**:

s.73

Goondi Bend Landfill

- All post-closure groundwater monitoring records
- All post-closure landfill gas monitoring records
- All post-closure leachate monitoring records
- All post-closure surface water monitoring records
- The site management plan required by condition A1G10
- Any information relating to the capping design for Cell 1.
- Any information relating to the construction of the cap for Cell 1.
- Any information on materials testing for capping products used.
- Details of capping inspections / reporting for Cells 1, 2 and 3

Both sites

- Any health and safety requirements, including site induction requirements and personal protection equipment (PPE) required for this

visit.

- The name and contact details of the site representative who will accompany departmental officers during the inspection.

I will be accompanied on this inspection by department officer Kirstie Treloar. s.73 Kirstie will manage the Goondi Bend inspection. During the inspection we may use photographic and other equipment to record details of the inspection.

Could you please confirm by return email that the proposed date and time for the compliance inspection is suitable?

If you have any questions I am happy to discuss this further.

Regards,
Calvin.



Calvin Quick

Senior Environmental Officer (Compliance)

Minerals & North Queensland Compliance | Environmental Services & Regulation

Department of Environment and Science

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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.

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Date : 7/03/2018 3:05:34 PM
From : "Straker, Jim"
To : "QUICK Calvin"
Cc : "Hammond, Gavin" , "Hutchinson, John" , "Patrick"
Subject : RE: Proposed catch-up and inspections of s.73 and Goondi Bend Landfills
Attachment : image001.png;image002.png;image003.jpg;118030716054302731.png;

Good afternoon Calvin,

Thank you for the email.

The times should be suitable.

s.73

At Goondi:
Gavin Hammond
Jim Straker

In Tully we are at the Shire Hall, 38-40 Bryant St, First Floor

There are no site specific clothing requirements but boots would be recommended – and hat if it is sunny.

Kind regards,

Jim Straker | A/Coordinator Environmental Services | Cassowary Coast Regional Council
PO Box 887, Innisfail Qld 4860 | T 1300 763 903 | D 07 4043 9187 (Tully) | sch4p4(6) Pers
E | jim.straker@ccrc.qld.gov.au W | cassowarycoast.qld.gov.au

From: QUICK Calvin [mailto:Calvin.Quick@des.qld.gov.au]
Sent: Monday, 5 March 2018 4:16 PM
To: Straker, Jim <Jim.Straker@ccrc.qld.gov.au>; Hammond, Gavin <Gavin.Hammond@ccrc.qld.gov.au>; Shared Records <Records@ccrc.qld.gov.au>
Cc: TRELOAR Kirstie <Kirstie.Treloar@des.qld.gov.au>
Subject: Proposed catch-up and inspections of s.73 and Goondi Bend Landfills

Hi Jim,

Thanks for taking the time to talk with me last week. It would be great to catch-up and meet you finally. I was thinking it would good to meet you at your Tully office to introduce ourselves. Then we can do a compliance inspection at s.73 in the morning and Goondi Bend Landfill in the afternoon. I propose to meet you at your Tully office at 9:45am (what is the address?), undertake the site inspection of s.73 and Goondi Bend Landfill at 1:30pm on **21 March 2018**. Are these times suitable?

The objective of the inspection is to assess compliance with the conditions of environmental authority EPPR04128213 (EA) - Part 1 (Tully Landfill), Development Approval IPDE00543607A11 (Goondi Bend Landfill) and the *Environmental Protection Act 1994*. I expect we will be on-site for approximately 1.5 hours at s.73 and 2.5 hours at Goondi Bend Landfill. The inspection will also have a focus on leachate management at both sites and post closure care and final capping certification at Goondi Bend. We intend to do some water sampling at Goondi Bend as a component of this.

Prior to the inspection could you please provide the department with the following information by **16 March 2018**:

s.73

Goondi Bend Landfill

- All post-closure groundwater monitoring records
- All post-closure landfill gas monitoring records
- All post-closure leachate monitoring records
- All post-closure surface water monitoring records

- The site management plan required by condition A1G10
- Any information relating to the capping design for Cell 1.
- Any information relating to the construction of the cap for Cell 1.
- Any information on materials testing for capping products used.
- Details of capping inspections / reporting for Cells 1, 2 and 3

Both sites

- Any health and safety requirements, including site induction requirements and personal protection equipment (PPE) required for this visit.
- The name and contact details of the site representative who will accompany departmental officers during the inspection.

I will be accompanied on this inspection by department officer Kirstie Treloar. s.73 Kirstie will manage the Goondi Bend inspection. During the inspection we may use photographic and other equipment to record details of the inspection.

Could you please confirm by return email that the proposed date and time for the compliance inspection is suitable?

If you have any questions I am happy to discuss this further.

Regards,
Calvin.



Calvin Quick

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The Queens' Baton will visit
the Cassowary Coast on the
17th & 18th March, 2018.
The Relay route will include Innisfail,
Mission Beach, Tully and Cardwell.



#QBR2018 #sharethedream #welovethecasscoast

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Date : 15/05/2018 12:38:12 PM

From : "Dearlove, John"

To : "QUICK Calvin"

Subject : Sample locations sites and parameters

Attachment : Sampling Specifications Landfills and Transfer station.docx;118051512404000931.jpg;

Hi Calvin,

Please receive attached specifications for proposed environmental sampling of s.73 Goondi bend sites.

These have been extracted from s.73 IPDE00543607A11 for Goondi.

I would like to confirm with DES please that details contained are correct and current for sites, types and parameters of required samples. Details will be provided as information toward seeking quotations for annual sampling works and sample analysis once we are certain information is correct.

Could DES review CCRC sampling requirements for the above and advise any alterations or confirmation asap please?

Kind Regards

John Dearlove | Coordinator Environmental Services | Cassowary Coast Regional Council

PO Box 887, Innisfail Qld 4860 T | 40302267 Innisfail or 40439187 Tully

E | john.dearlove@ccrc.qld.gov.au

Mobile : sch4p4(6) Pe



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Sampling Specifications Goondi Bend ex Landfill

Sites Goondi Groundwater : GA / GB / GC / GD / GE / GF

- Condition A1W10
- Sampling required Quarterly

Parameters

- pH
- Electrical conductivity
- Total dissolved solids
- Bicarbonate (HCO_3)
- Oxidised nitrogen
- Ammonia
- Calcium
- Sulphate
- Chloride
- Manganese
- Total Iron
- Copper
- Lead
- Zinc
- Pesticides (organochlorines and organophosphates)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Total petroleum Hydrocarbons
- BTEX (Benzene, Toluene, Ethyl Benzene and Xylene)
- Chemical oxygen demand

Sampling Specifications Goondi Bend ex Landfill

Sites Goondi Surfacewater : G1 / G2 / G3 / G4

- Condition A1W10
- Sampling required Quarterly

Parameters

- pH
- Electrical conductivity
- Total dissolved solids
- Dissolved oxygen
- Oxidised nitrogen
- Ammonia
- Calcium
- Sulphate
- Hexavalent chromium
- Cadmium
- Manganese
- Total Iron
- Copper
- Lead
- Zinc
- Pesticides (organochlorines and organophosphates)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Total petroleum Hydrocarbons
- BTEX (Benzene, Toluene, Ethyl Benzene and Xylene)
- 5 Day Biochemical oxygen demand (BOD5)

From: Dearlove, John
To: [QUICK Calvin](#)
Subject: Sampling data Tully Landfills
Date: Wednesday, 16 May 2018 2:55:18 PM
Attachments: [118051614455100301.jpg](#)
[All Graphs By Station.xlsx](#)
[Sampling Specifications Landfills and Transfer station.docx](#)
[ECM_2323538_v12_CCRC - Tully open landfill, Tully Gorge Road, 638C.xlsx](#)

Hi Calvin,

Thanks muchly for calling with Doug earlier to discuss aspects of CCRC woes with landfill sampling etc along with info forwarded and your overall assistance. All is very appreciated I can assure you.

Attached within the All Graphs by Station doc are graphed details for sampling results extracted from the SGS website for the past 3-5 years approx at various sites. s.73

s.73

Also attached is the Sampling Specifications for the proposed list of sample locations, parameters of testing required and frequencies for Station and Goondi Bend landfill. I have sent this to SGS this morning seeking a quotation for sample analysis. I seek to finalise this list of specs asap in order to finalise costings and seek further quotations for the actual sampling works. s.73

s.73s.73

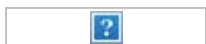
Kind Regards

John Dearlove | Coordinator Environmental Services | Cassowary Coast Regional Council

PO Box 887, Innisfail Qld 4860 T | 40302267 Innisfail or 40439187 Tully

E | john.dearlove@ccrc.qld.gov.au

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Date : 17/04/2018 3:28:53 PM

From : "QUICK Calvin"

To : "john.dearlove@ccrc.qld.gov.au"

Subject : Tully Main Refuse Site

Attachment : Tully Landfill V5September 2015 - SBMP.pdf;Sept 2015 Site Development Tully Landfill.pdf;TL STORMWATER MANAGEMENT PLAN Ver 2.pdf;TUL14-046-001-C01 Site Plan Volumetric Survey.pdf;Tully Annual report Final Draft september 1 2014 2015.docx;EDOCs-#3114831-v1-Annual_report_2013_2014_Tully_STP_MD_Comments.docx;Annual report Innisfail WWTP 2014 15 Final Sept 1.docx;QPIF_EDOCs_n3114829_Annual_report_2013_2014_Innisfail_STP__MD_Comments.docx;image001.png;image003.jpg;image002.png;
Hi John,

Some of the information that is available regarding S.73 nd annual reports.

Regards,
Calvin.



Calvin Quick

Senior Environmental Officer (Compliance)

Minerals & North Queensland Compliance | Environmental Services & Regulation

Department of Environment and Science

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PO Box 7230, Cairns Qld 4870



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