

From: Geoff.Ford@ghd.com [Geoff.Ford@ghd.com]
Sent: Friday, 29 June 2012 5:06 PM
To: Apostol Alex
CC: david.peet@ostojic.com.au; Bradley.Wood@ghd.com
Subject: Ostojic Group progress report for TEP

Hi Alex

We refer to Ostojic Group's progress report for the Transitional Environmental Program certificate number MAN14060. Due to the size of the file, we have sent it via large file transfer.

Please let me know if you have any difficulty downloading the file.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 | s.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
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From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Tuesday, 3 July 2012 10:07 AM
To: Lagerroth Stephen
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)
Attachments: 2012 06 14 Letter to Ostoic TEP MAN14060 1st Submittal.docx

Hi Steve,

I wondered if the attached letter has been signed?

Thanks,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Lagerroth Stephen
Sent: Monday, 25 June 2012 3:56 PM
To: Fegan Warwick
Cc: Apostol Alex
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Goes with accompanying letter

Regards
Stephen Lagerroth
A/Team Leader - Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Monday, 25 June 2012 2:27 PM
To: Lagerroth Stephen
Cc: Fegan Warwick
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Attached for your review is a draft letter to GHD/Ostoic providing comments on the submitted Site Based Management Plan (SBMP) as part of the ongoing Ostoic TEP (MAN14060).

I have also attached the Keeper reference of the GHD/Ostojic submittal, if you need to view the SBMP. Let me know if you need more information on this.

P/S; Please include this in my work tasks, I missed this one during our meeting this morning. Sorry!

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
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Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Jennifer.Constantinou@ghd.com [<mailto:Jennifer.Constantinou@ghd.com>]
Sent: Thursday, 31 May 2012 1:32 PM
To: Apostol Alex
Cc: Fegan Warwick; david.peet@ostojic.com.au
Subject: Ostojic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Alex,

Please refer to attached correspondence in relation to the Ostojic Group Transitional Environmental Program (Certificate of Approval Number MAN14060 dated 18 May 2012) and 31 May 2012 Milestone.

I have sent a large file transfer with the Site Based Management Plan. Please let me know if you do not receive it.

Regards

Jennifer Constantinou
Town Planner

GHD
T: 61 7 3316 3673 s.49 | F: 61 7 3316 3333 | E: jennifer.constantinou@ghd.com
201 Charlotte Street Brisbane QLD 4000 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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25 June 2012

Jennifer Constantinou
Town Planner
GHD Pty Ltd
GPO Box 668
Brisbane QLD 4001

C/C David Peet
Environmental Manager
Ostojic Group Pty Ltd
PO Box 38915
Northern Territory 0821

Dear Jennifer,

**Ostojic Group Transitional Environmental Program (MAN14060) – Site Based Management Plan
31 May 2012**

I refer to the report received at this office on 31 May 2012, titled "Ostojic Group Report for Bulk Handling Facility, Sir Hudson Fysh Drive, Cloncurry - Site Based Management Plan, 31 May 2012". The report was submitted as a partial fulfilment of the requirements of Transitional Environmental Program (TEP, MAN14060) approved on 18 May 2012 for the Ostojic Bulk Handling Facility.

The Department of Environment and Heritage Protection (the department) has reviewed the submitted report and wishes to offer the following comments:

Pollution Abatement Plan

The development and implementation of a Pollution Abatement Plan (PAP) has been identified as one of the two major actions in the approved draft TEP (MAN14060) to address compliance with condition A1 of the Development Approval (DA) SPDE01054010. It is therefore expected that a comprehensive PAP is developed and presented providing details of each identified pollution abatement/control measure.

The PAP presented in Section 6.11 of the SBMP appears to be vague and lacks the following elements:

- Specific dust control measures proposed for the openings and vents of the mineral concentrate storage shed.
- Specific actions to be undertaken for each proposed control measure.
- Plan and details, showing the location of the proposed truck washing facilities, water source and storage and disposal of the wash water resulting from truck washing activity.
- Time frame of implementation (start date, completion date) for each control measure and actions to be taken under each control measure.

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Dust Monitoring Program

- As the Dust Monitoring Program has been prepared prior to the approval of the draft TEP, section 3.7 (Reporting) needs to be updated to reflect the reporting requirement indicated in the TEP Certificate of Approval Number MAN14060, i.e., six-monthly basis during the period of the TEP.
- Section 3.7.3 (Reporting of Exceedances) needs to be amended to include ambient air quality limits stipulated in Table 1 of the TEP Certificate of Approval Number MAN14060 for PM₁₀, total suspended particulate and dust deposition.
- In addition to the GPS coordinates of the sampling locations, it is recommended that additional details, such as distance and direction (e.g., north, northeast, etc.) of the sampling locations with respect to the source of pollutant, be included in Table 5 (Sampling Locations).
- GHD recommends that Air Quality Monitoring Program be carried out for an initial 12 month period and extend following a complete analysis and reporting of the results from all monitoring carried out. However, TEP Certificate of Approval Number MAN14060 requires the receiving environment dust monitoring program must be implemented and maintained for the period of TEP, i.e., until May 2014.

Stormwater Management Plan

- The submitted Site Based Stormwater Management Plan (SBSMP) for Ostojic Bulk Handling Facility (as the title implies) is mainly focused on the stormwater management within the site. However, there is a need to consider the potential impacts of the stormwater being released from the site into the receiving environment, more importantly when the release does not meet the contaminant trigger and contaminant limits specified in the EA and other applicable guidelines such as ANZECC/ARMCANZ 2000.
- As the stormwater management plan has been prepared prior to approval of the draft TEP, Section 1.5 (Scope of Work and Limitations) needs to be amended, i.e., delete all statements referring to the TEP.
- EHP inspection on December 2011 and January 2012 revealed an existing inlet located east of Catchment Area No. 5, provided with gravel/straw bale as erosion control measure. This inlet structure, which discharges into the large grassed channel, is not mentioned in Section 2.3.2 (Existing Catchment Conditions) and is not shown on Figure 4 (Existing Site Drainage Plan); Clarification is necessary on whether this existing inlet structure will remain or remove from the site.
- It is recommended that the GPS coordinates of the proposed point of discharge be provided in the report.
- The SBSMP identified litter (paper, construction packaging, food packaging), sediments and hydrocarbons as the pollutants expected to be produced during the day-to-day use of the site. The report did not identify specific contaminants (e.g., iron, copper, etc.) from the stormwater runoff that come in contact with the minerals (magnetite and copper) on site. These contaminants have the potential to cause environmental harm to the receiving environment.

- Table 3-2 (Water Quality Objectives) limits the water quality objectives as “percent reduction” of each identified pollutant. This objective does not ensure compliance with the applicable guidelines; It is recommended that the objectives of the stormwater management plan include achieving stormwater quality that is within the limits specified in Table 2 (Contaminant Release Limits to Water) of DA SPDE01054010 and other applicable guidelines, e.g., ANZECC/ARMCANZ 2000.
- As the stormwater management plan has been prepared prior to approval of the draft TEP, Section 5.1 (Monitoring) needs to be amended, i.e., delete statement referring to the TEP.
- Conditions of DA SPDE01054010 require that the stormwater management plan must address, among others, the monitoring frequency of stormwater discharges to the environment and that the release of contaminants to waters from the release points must be monitored at any receiving waters within 500m downstream of the release. The Stormwater Management Plan does not provide monitoring locations within the receiving water/creek that will be impacted by the release from the detention basin. It is recommended that the monitoring program be amended to consider SPDE01054010 conditions related to water.

If you have any queries in relation to this matter please contact Alex Apostol on (07) 4744 7814.

Yours faithfully,

Warwick Fegan
A/Manager
Mining and Heavy industry - North Region
Department of Environment and Heritage Protection

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Tuesday, 3 July 2012 10:33 AM
To: Lagerroth Stephen
Subject: FW:s.73 - Not relevant & Ostoic Warning Letters
Attachments: Warning_Letter_to_Ostoic_Group_re_Stormwater_Pond_Overflow Revised.doc

Hi Steve,

s.73 - Not relevant

Ostoic letter ref. no. has been changed.

Rgrds,
alex

Alex Apostol
Senior Environmental Officer
Environmental Services\North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

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Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 \Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Apostol Alex
Sent: Tuesday, 3 July 2012 10:05 AM
To: Lagerroth Stephen
Subject: RE:s.73 - Not relevant & Ostoic Warning Letters

Hi Steve,

Revised warning letters to s.73 - Not relevant and Ostoic are attached.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services\North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House \PO Box 2316
Cnr Camooweal & Mary Streets
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Website: www.derm.qld.gov.au

From: Lagerroth Stephen

12-378

File B - Part 1

7 of 96

Sent: Monday, 2 July 2012 11:42 AM
To: Apostol Alex
Subject: RE: s.73 - Not relevant & Ostoic Warning Letters

Hi Alex

I found a draft warning letter that was prepared for the EP Act.

I've modified s.73 - Not relevant but you should have a look at it as well.

Could you please use the wording in the draft for Ostoic letter?

Thanks

Steve

Regards

Stephen Lagerroth

A/Team Leader -Mining & Heavy Industry (Northern Region)

Department of Environment and Heritage Protection

Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

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PO Box 937 Cairns QLD 4870

www.ehp.qld.gov.au

From: Apostol Alex
Sent: Monday, 2 July 2012 9:43 AM
To: Lagerroth Stephen
Subject: s.73 - Not relevant & Ostoic Warning Letters

Hi Steve,

Please find attached draft warning letters to s.73 - Not relevant and Ostoic in lieu of the PINs we were supposed to issue to these companies.

The offences are as follows:

Ostoic - Did not take water samples as required in the DA conditions during the stormwater pond overflow incident on 27 Jan 2012.

Let me know if you need more information.

Rgrds,
alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House PO Box 2316
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Website: www.derm.qld.gov.au

RTI DL RELEASE - EHP

3 July 2012

David Peet
Group Business HSEQ & Compliance Manager
Ostojic Group Pty Ltd
PO Box 38915 Winnellie NT 0821

Dear Sir,

Warning Letter - Stormwater Pond Overflow Incident at Ostojic Bulk Handling Facility

This warning letter is issued to you by the Department of Environment and Heritage Protection (EHP) in respect to the activities of Ostojic Group Pty Ltd at the Ostojic Bulk Handling Facility on land described as Lot 138 and Lot 142 on RP905659 situated at Sir Hudson Fysh Drive, Cloncurry (the "said premises").

During the site inspection conducted by officers of EHP on 31 January 2012, it was confirmed that Ostojic Group Pty Ltd has contravened conditions WA1 and WA3 of Development Approval (DA) SPDE01054010.

Under Section 435(2) of the *Environmental Protection Act (EP Act) 1994*, it is an offence to contravene a development condition of a development approval.

The facts and circumstances forming the basis for issuing this warning letter are:

- As the holder of DA SPDE01054010, Ostojic Group Pty Ltd is required to comply with all conditions of the DA;
- On the night of 27 January 2012, the Ostojic Bulk Handling Facility stormwater pond overflowed releasing waters into the creek located downstream of the pond;
- Conditions WA1 and WA3 of DA SPDE01054010 require sampling of waters related to the release within 2 hours of commencement of release from the stormwater settling pond and within 24 hours of the discharge event from the receiving waters within 500m downstream of the release point;
- Ostojic Group Pty Ltd did not take water samples in accordance with the DA conditions during the stormwater release. These samples are important in identifying contaminants present in the water and determining if the release will cause, or is likely to cause, environmental harm to the receiving environment;
- Section 435(2) of the EP Act 1994, creates an offence and provides penalty for contravention of a development condition of a development approval. Maximum penalty is 1665 penalty units.

As a result of the events surrounding this matter please be advised that you have been **formally**

warned that it is a breach under section 435(2) of the *EP Act 1994* to contravene a development condition of a development approval. In addition, you are reminded of your obligations to comply with your general environmental duty under section 319 of the *Environmental Protection Act 1994* which states that *"A person must not carry out any activity that causes, or is likely to cause, environmental harm unless the person takes all reasonable and practicable measures to prevent or minimise harm"*.

In this instance, it has been determined that no further action will be taken in respect of the matters giving rise in this warning. If additional evidence becomes available, or if continuation of this breach and/ or other more serious matters comes to light in the future, EHP may consider taking further action, including prosecution in accordance with its Enforcement Guidelines. A copy of the guidelines is available on our website at: http://www.ehp.qld.gov.au/environmental_management/pdf/enforcement-guidelines.pdf.

Should you have any questions in relation to this matter, please contact Alex Apostol on (07) 4744 7814.

Yours faithfully,

Warwick Fegan
A/Manager
Mining and Heavy Industry - North Region
Department of Environment and Heritage Protection

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Wednesday, 4 July 2012 9:33 AM
To: David Peet
CC: Michael Mortimore
Subject: Warning Letter - Stormwater Pond Overflow Incident, 27 Jan 2012
Attachments: Warning Letter - Ostoic Pond Overflow 27 Jan 2012.pdf

Hi David,

Please find attached a warning letter from EHP in relation to the stormwater flow incident at Ostoic facility on 27 January 2012. The department has decided to issue a warning letter instead of PIN in relation to Ostoic failure to obtain water samples during the release event in accordance with the DA conditions.

Rgrds,
alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House PO Box 2316
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Phone: (07) 4744 7814 Fax: (07) 4744 7800
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Website: www.derm.qld.gov.au

RTI DL RELEASE - EHP

Reference NOR/086766 – CR53334

3 July 2012

David Peet
Group Business HSEQ & Compliance Manager
Ostojic Group Pty Ltd
PO Box 38915 Winnellie NT 0821

Dear Sir,

Warning Letter - Stormwater Pond Overflow Incident at Ostojic Bulk Handling Facility

This warning letter is issued to you by the Department of Environment and Heritage Protection (EHP) in respect to the activities of Ostojic Group Pty Ltd at the Ostojic Bulk Handling Facility on land described as Lot 138 and Lot 142 on RP905659 situated at Sir Hudson Fysh Drive, Cloncurry (the "said premises").

During the site inspection conducted by officers of EHP on 31 January 2012, it was confirmed that Ostojic Group Pty Ltd has contravened conditions WA1 and WA3 of Development Approval (DA) SPDE01054010.

Under Section 435(2) of the *Environmental Protection Act (EP Act) 1994*, it is an offence to contravene a development condition of a development approval.

The facts and circumstances forming the basis for issuing this warning letter are:

- As the holder of DA SPDE01054010, Ostojic Group Pty Ltd is required to comply with all conditions of the DA;
- On the night of 27 January 2012, the Ostojic Bulk Handling Facility stormwater pond overflowed releasing waters into the creek located downstream of the pond;
- Conditions WA1 and WA3 of DA SPDE01054010 require sampling of waters related to the release within 2 hours of commencement of release from the stormwater settling pond and within 24 hours of the discharge event from the receiving waters within 500m downstream of the release point;
- Ostojic Group Pty Ltd did not take water samples in accordance with the DA conditions during the stormwater release. These samples are important in identifying contaminants present in the water and determining if the release will cause, or is likely to cause, environmental harm to the receiving environment;
- Section 435(2) of the EP Act 1994, creates an offence and provides penalty for contravention of a development condition of a development approval. Maximum penalty is 1665 penalty units.

As a result of the events surrounding this matter please be advised that you have been **formally**

warned that it is a breach under section 435(2) of the *EP Act 1994* to contravene a development condition of a development approval. In addition, you are reminded of your obligations to comply with your general environmental duty under section 319 of the *Environmental Protection Act 1994* which states that *"A person must not carry out any activity that causes, or is likely to cause, environmental harm unless the person takes all reasonable and practicable measures to prevent or minimise harm"*.

In this instance, it has been determined that no further action will be taken in respect of the matters giving rise in this warning. If additional evidence becomes available, or if continuation of this breach and/ or other more serious matters comes to light in the future, EHP may consider taking further action, including prosecution in accordance with its Enforcement Guidelines. A copy of the guidelines is available on our website at: http://www.ehp.qld.gov.au/environmental_management/pdf/enforcement-guidelines.pdf.

Should you have any questions in relation to this matter, please contact Alex Apostol on (07) 4744 7814.

Yours faithfully,

s.49 - Signature

Warwick Fegan
A/Manager
Mining and Heavy Industry - Northern Region
Department of Environment and Heritage Protection

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Thursday, 5 July 2012 9:56 AM
To: Geoff.Ford@ghd.com
Subject: RE: Ostojic Group Pty Ltd - TEP - Dust Monitoring program

Hi Geoff,

The letter that we're supposed to send you is taking so long to be finalised. Sorry about this. The draft letter contains comments on the Pollution Abatement Plan, Dust Monitoring Program and Stormwater Management Plan. Our team leader wants to have a discussion on these comments first before we release the letter. Unfortunately, he has gone on leave and will be back on Monday.

I have my initial comments on the Dust Monitoring Program below, which you may consider while we are finalising the letter. I'm pretty sure that there would only be minor changes on the letter but the main thoughts of the comments would remain.

Dust Monitoring Program

- As the Dust Monitoring Program has been prepared prior to the approval of the draft TEP, section 3.7 (Reporting) needs to be updated to reflect the reporting requirement indicated in the TEP Certificate of Approval Number MAN14060, i.e., six-monthly basis during the period of the TEP.
- Section 3.7.3 (Reporting of Exceedances) needs to be amended to include ambient air quality limits stipulated in Table 1 of the TEP Certificate of Approval Number MAN14060 for PM₁₀, total suspended particulate and dust deposition.
- In addition to the GPS coordinates of the sampling locations, it is recommended that additional details, such as distance and direction (e.g., north, northeast, etc.) of the sampling locations with respect to the source of pollutant, be included in Table 5 (Sampling Locations).
- GHD recommends that Air Quality Monitoring Program be carried out for an initial 12 month period and extend following a complete analysis and reporting of the results from all monitoring carried out. However, TEP Certificate of Approval Number MAN14060 requires the receiving environment dust monitoring program must be implemented and maintained for the period of TEP, i.e., until May 2014.

Please call if you want to discuss.

Regards,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

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Website: www.derm.qld.gov.au

From: Geoff.Ford@ghd.com [mailto:Geoff.Ford@ghd.com]
Sent: Thursday, 21 June 2012 4:03 PM
To: Apostol Alex
Subject: Ostojic Group Pty Ltd - TEP - Dust Monitoring program

Hi Alex

I am working with Jen Constantinou on this matter.

I note that we sent Ostojic Group's Dust Monitoring Program to DEHP on 31 May 2012. Could you please confirm DEHP's acceptance or otherwise of this program, in particular the monitoring locations?

If you wish to discuss this or any other aspect of the TEP please feel free to give me a call on 3316 3591.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

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RTI DL RELEASED EHP

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Friday, 6 July 2012 2:13 PM
To: Lagerroth Stephen
Subject: Ostojic TEP Progress Report No. 1, 30 June 2012
Attachments: Memorandum_Ostsojic TEP First Progress Report 30 Jun 2012.doc

Hi Steve,

Please find attached a memo providing details of 1st progress report submitted by Ostojic/GHD in relation to Ostojic TEP.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
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Website: www.derm.qld.gov.au

RTI DL RELEASE - EHP

Memorandum

Date: 5 July 2012
To: Stephen Lagerroth
From: Alex Apostol
Subject: Ostojic TEP (MAN14060) Progress Report 1, 30 June 2012

Background

Ostojic Group Pty Ltd submitted a document titled "Ostojic Group Pty Ltd - Bulk Handling Facility, Sir Hudson Fysh Drive Cloncurry Transitional Environmental Program Progress Report" on 29 June 2012.

The KEEPER_n1740713_v1_436327_Progress_Report_30_June_2012.pdf is in accordance with the approved TEP requiring submission of the progress of the TEP by Ostojic on a 6-monthly basis. This Progress Report covers the period ending 30 June 2012.

TEP Progress

The following actions required by the TEP with the proposed delivery dates on or before 30 June 2012 have been completed:

Action	Delivery Date	Status
1 Develop and submit to EHP a Pollution Abatement Plan for the site.	31 May 2012	Completed; A draft Pollution Abatement Plan has been submitted to EHP for review.
1(a) Housekeeping Procedure	31 May 2012	Completed; Housekeeping procedure has been submitted to EHP.
1(f) Update Site Based Management Plan	31 May 2012	Completed; A draft Site Based Management Plan has been submitted to EHP for review.
2(a) Commission consultant or appropriate qualified person to prepare the Ambient air quality and dust deposition monitoring program.	30 June 2012	Completed; Ostojic has commissioned GHD Pty Ltd as the consultant to prepare monitoring program.
3(a) Commission consultant to produce detailed design of building extensions as far as reasonably practicable so that storage, loading and unloading of mineral concentrates are enclosed at all times.	30 June 2012	Completed; Ostojic has commissioned GHD Pty Ltd as the consultant to produce detailed design of the building.

Other actions required in the TEP are either in progress or yet to commence.

Progress Report No. 1 has indicated that Ostojic Group Pty Ltd has met all of its commitments under the TEP as of 30 June 2012 and is on track to meet upcoming commitments.

There is no requirement for contingency or corrective actions at this stage.

The next progress report will be on 6 January 2013.

From: Lagerroth Stephen [Stephen.Lagerroth@dnrm.qld.gov.au]
Sent: Tuesday, 24 July 2012 1:29 PM
To: Apostol Alex
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)
Attachments: 2012 07 13 Letter to Ostoic TEP MAN14060 1st Submittal w SL Comments.docx

FYi

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Wednesday, 18 July 2012 3:26 PM
To: Lagerroth Stephen
Cc: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Alex

Warwick had additional comments regarding this. I've made some changes but I'm not 100% of others.

One of his comments was tightening it up.

Note I've put on tomorrows date.

Cheers

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Friday, 13 July 2012 9:29 AM
To: Apostol Alex
Cc: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Morning Alex

I've given the letter to Warwick

Cheers
Steve

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Friday, 13 July 2012 8:58 AM
To: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Thanks for updating the letter. It looks to me that we are clear on what we want with the plans.

Attached is the finalised letter.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Thursday, 12 July 2012 4:19 PM
To: Apostol Alex
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Have a look at my changes and see what you think.

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Wednesday, 11 July 2012 3:54 PM
To: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steven,

2nd try. Attached is the revised letter.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Wednesday, 4 July 2012 5:17 PM
To: Apostol Alex
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hey Alex

I just had a very quick chat with Warwick regarding this.

In reading the letter Warwick wasn't entirely sure what was being requested from the client. For example what is the final point (SBSMP) on page 2 requesting or saying? If it means that the SBSMP has not addressed all contaminants of stormwater than maybe that is what should be said and thereby requested. In other words make it a little simpler for the client.

Another point is the references to the TEP. He wasn't sure if the mentioning of the TEP itself should be taken out or the conditions that are in the TEP should be removed.

Lastly the acronyms were causing him to jump all over the place. Maybe limit their use to those that are prevalently used.

Could you have another pass at the letter and tighten what we are requiring them to change and when I return

I'll have another look as well.

Cheers
Steve

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Wednesday, 4 July 2012 4:31 PM
To: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Any word on this?

Thanks, alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House 'PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Lagerroth Stephen
Sent: Tuesday, 3 July 2012 11:09 AM
To: Apostol Alex
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

I'm not 100% sure. I remember that Warwick and I were going to chat about it but I can't remember what happened post chat. I'll get back to this afternoon.

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Tuesday, 3 July 2012 10:08 AM
To: Lagerroth Stephen
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

I wondered if the attached letter has been signed?

Thanks,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House 'PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 'Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Lagerroth Stephen
Sent: Monday, 25 June 2012 3:56 PM
To: Fegan Warwick
Cc: Apostol Alex
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Goes with accompanying letter

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Monday, 25 June 2012 2:27 PM
To: Lagerroth Stephen
Cc: Fegan Warwick
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Attached for your review is a draft letter to GHD/Ostojic providing comments on the submitted Site Based Management Plan (SBMP) as part of the ongoing Ostojic TEP (MAN14060).
I have also attached the Keeper reference of the GHD/Ostojic submittal, if you need to view the SBMP.
Let me know if you need more information on this.

P/S; Please include this in my work tasks, I missed this one during our meeting this morning. Sorry!

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Jennifer.Constantinou@ghd.com [<mailto:Jennifer.Constantinou@ghd.com>]
Sent: Thursday, 31 May 2012 1:32 PM
To: Apostol Alex
Cc: Fegan Warwick; david.peet@ostojic.com.au
Subject: Ostojic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Alex,

Please refer to attached correspondence in relation to the Ostojic Group Transitional Environmental Program (Certificate of Approval Number MAN14060 dated 18 May 2012) and 31 May 2012 Milestone.

I have sent a large file transfer with the Site Based Management Plan. Please let me know if you do not receive it.

Regards

Jennifer Constantinou
Town Planner

GHD

T: 61 7 3316 3673 s.49 | F: 61 7 3316 3333 | E: jennifer.constantinou@ghd.com
201 Charlotte Street Brisbane QLD 4000 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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19 July 2012

Deleted: 13

Jennifer Constantinou
Town Planner
GHD Pty Ltd
GPO Box 668
Brisbane QLD 4001

C/C David Peet
Environmental Manager
Ostojic Group Pty Ltd
PO Box 38915
Northern Territory 0821

Dear Jennifer,

**Ostojic Group Transitional Environmental Program (MAN14060) – Site Based Management Plan
31 May 2012**

I refer to the report received at this office on 31 May 2012, titled "Ostojic Group Report for Bulk Handling Facility, Sir Hudson Fysh Drive, Cloncurry - Site Based Management Plan, 31 May 2012". The report was submitted as a partial fulfilment of the requirements of Transitional Environmental Program (TEP, MAN14060) approved on 18 May 2012 for the Ostojic Bulk Handling Facility.

The Department of Environment and Heritage Protection (EHP) has reviewed the submitted report and wishes to offer the following comments:

Pollution Abatement Plan

The development and implementation of a Pollution Abatement Plan has been identified as one of the two major actions in the approved draft TEP (MAN14060) to address compliance with condition A1 of the Development Approval (DA) SPDE01054010. It is therefore expected that a comprehensive Pollution Abatement Plan is developed and presented providing details of each identified pollution abatement/control measure.

EHP recommends that the Pollution Abatement Plan, presented in Section 6.11 of the Site Based Management Plan, also address the following elements:

- Specific dust control measures proposed for the openings and vents of the mineral concentrate storage shed.
- Plan and details, showing the location of the proposed truck washing facilities, water source and storage and disposal of the wash water resulting from truck washing activity.
- Specific actions to be undertaken for each identified control measure.
- Timeframe of implementation (start date, completion date) for each control measure and actions to be taken under each identified control measure.

Comment [SBL1]: Warwick isn't sure what is required here. What other pollution control measures are required? Also can these points be reduced to one point

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Cnr Camooweal & Mary Streets
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Queensland 4825 Australia
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Website www.ehp.qld.gov.au
ABN 46 640 294 485

Dust Monitoring Program

- The Dust Monitoring Program needs to be updated to reflect the reporting requirement indicated in TEP MAN14060. Regarding frequency, analysis and timeframes.
- Additional details for the sampling locations in Table 5 (Sampling Locations).
- GHD recommends that Air Quality Monitoring Program be carried out for an initial 12 month period and extend following a complete analysis and reporting of the results from all monitoring carried out. It is recommended that the monitoring program be consistent with TEP MAN14060, which requires that the receiving environment dust monitoring program be implemented and maintained for the period of the TEP, i.e. until May 2014.

Stormwater Management Plan

- The submitted Site Based Stormwater Management Plan (SBSMP) for Ostoic Bulk Handling Facility (as the title implies) did not provide for monitoring of the receiving environment which could be impacted by any potential release from the site. The stormwater management plan needs to include details relating to the monitoring of the receiving environment in accordance with the conditions of the DA, including the monitoring locations.
- Section 1.5 (Scope of Work and Limitations) should be amended to remove all statements referring to the TEP. Note that the approved TEP does not include actions related to stormwater management at the site.
- Clarify in the plan whether this existing inlet structure identified by EPH staff in December and January will remain on site.
- It is recommended that the GPS coordinates of all proposed points of discharge be provided in the report.
- The SBSMP did not identify specific contaminants (e.g., iron, copper, etc.) from the stormwater runoff that come in contact with the minerals (magnetite and copper) on site. It is recommended that the stormwater management plan addresses all contaminants that may be present in the stormwater, including but not limited to those identified in the EA.
- Table 3-2 (Water Quality Objectives) limits the water quality objectives as "percent reduction" of each identified pollutant. The stormwater management plan must comply with the DA, ensuring that stormwater quality that is within the limits specified in Table 2 (Contaminant Release Limits to Water).

If you have any queries in relation to this matter please contact Alex Apostol on (07) 4744 7814.

Yours faithfully,

Warwick Fegan
A/Manager
Mining and Heavy Industry - Northern Region
Environmental Services and Regulation
Department of Environment and Heritage Protection

Deleted: Section 3.7 (Reporting) of the

Deleted: , i.e., six-monthly basis during the period of the TEP.

Deleted: ¶
<#>Section 3.7.3 (Reporting of Exceedances) needs to be amended to include ambient air quality limits stipulated in Table 1 of TEP MAN14060 for PM₁₀, total suspended particulate and dust deposition.¶

Deleted: In addition to the GPS coordinates of the sampling locations, it is recommended that a

Deleted: , such as distance and direction (e.g., north, northeast, etc.) of the

Deleted: with respect to the source of pollutant, be included

Deleted: It is recommended that the

Comment [SBL2]: Please check what is the TEP – Warwick thinks that

Deleted: EHP inspection on December 2011 and January 2012 revealed an existing inlet located east of Catchment Area No. 5, provided with gravel/straw bale as erosion control measure. This inlet structure, which discharges into the large grassed channel, is not mentioned in Section 2.3.2 (Existing Catchment Conditions) and is not sh... [1]

Deleted: or be removed

Deleted: This objective does not ensure compliance with the applicable guidelines; It ... [2]

Deleted: t

Deleted: include

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Deleted: of DA SPDE01054010 and other applicable guidelines, e. ... [3]

Deleted: <#>Delete statement referring to the TEP in Section 5.1 (Monitoring) as the ... [4]

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¶

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Page 2: [1] Deleted	Lagerroth Stephen	18/07/2012 3:08:00 PM
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EHP inspection on December 2011 and January 2012 revealed an existing inlet located east of Catchment Area No. 5, provided with gravel/straw bale as erosion control measure. This inlet structure, which discharges into the large grassed channel, is not mentioned in Section 2.3.2 (Existing Catchment Conditions) and is not shown on Figure 4 (Existing Site Drainage Plan).

Page 2: [2] Deleted	Lagerroth Stephen	18/07/2012 3:05:00 PM
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This objective does not ensure compliance with the applicable guidelines; It is recommended that the objectives of

Page 2: [3] Deleted	Lagerroth Stephen	18/07/2012 3:20:00 PM
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of DA SPDE01054010 and other applicable guidelines, e.g., ANZECC/ARMCANZ 2000.

Page 2: [4] Deleted	Lagerroth Stephen	18/07/2012 3:20:00 PM
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Delete statement referring to the TEP in Section 5.1 (Monitoring) as the approved TEP does not include actions related to stormwater management at the site.

The Stormwater Management Plan does not provide monitoring locations within the receiving water/creek that will be impacted by the release from the detention basin. It is recommended that the monitoring program be amended to consider DA SPDE01054010 conditions related to water.

RTI DL RELEASE - EHP

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Wednesday, 25 July 2012 11:21 AM
To: Geoff.Ford@ghd.com
Subject: RE: Ostoic Group progress report for TEP

Hi Geoff,

Sorry, the letter kept coming back and forth between myself and the Cairns office.
I've been trying to have the letter signed by our manager in Cairns.

Please bear with me.

Thanks,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Geoff.Ford@ghd.com [mailto:Geoff.Ford@ghd.com]
Sent: Friday, 29 June 2012 5:06 PM
To: Apostol Alex
Cc: david.peet@ostojic.com.au; Bradley.Wood@ghd.com
Subject: Ostoic Group progress report for TEP

Hi Alex

We refer to Ostoic Group's progress report for the Transitional Environmental Program certificate number MAN14060. Due to the size of the file, we have sent it via large file transfer.

Please let me know if you have any difficulty downloading the file.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 s.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Eagle Street, Brisbane QLD 4000 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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RTI DL RELEASE - EHP

From: Geoff.Ford@ghd.com [Geoff.Ford@ghd.com]
Sent: Wednesday, 25 July 2012 12:23 PM
To: Apostol Alex
Subject: RE: Ostoic Group progress report for TEP

Thanks for the update Alex.

I will wait to hear from you.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 | S.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Eagle Street, Brisbane QLD 4000 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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 "Apostol Alex" ---25/07/2012 11:27:45 AM---Hi Geoff,

From: "Apostol Alex" <Alex.Apostol@ehp.qld.gov.au>
To: <Geoff.Ford@ghd.com>
Date: 25/07/2012 11:27 AM
Subject: RE: Ostoic Group progress report for TEP

Hi Geoff,

Sorry, the letter kept coming back and forth between myself and the Cairns office.
I've been trying to have the letter signed by our manager in Cairns.

Please bear with me.

Thanks,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House 'PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 'Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Geoff.Ford@ghd.com [<mailto:Geoff.Ford@ghd.com>]
Sent: Friday, 29 June 2012 5:06 PM
To: Apostol Alex
Cc: david.peet@ostojic.com.au; Bradley.Wood@ghd.com
Subject: Ostojic Group progress report for TEP

Hi Alex

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Please let me know if you have any difficulty downloading the file.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

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RTI DL RELEASE - EHP

From: Lagerroth Stephen [Stephen.Lagerroth@dnrm.qld.gov.au]
Sent: Thursday, 26 July 2012 12:16 PM
To: Apostol Alex
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)
Attachments: 2012 07 24 Letter to Ostoic TEP MAN14060 1st Submittal w SL Comments.docx

Hey Alex

The first comment hasn't been addressed.

Cheers
Steve

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Thursday, 26 July 2012 9:14 AM
To: Lagerroth Stephen
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

I hope Warwick can sign the attached letter before he takes off.

Thanks,
alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House 'PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 'Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Apostol Alex
Sent: Tuesday, 24 July 2012 3:46 PM
To: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Draft letter attached for Warwick's signature.

Rgds,
alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Tuesday, 24 July 2012 1:29 PM
To: Apostol Alex
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

FYi

Regards
Stephen Lagerroth
A/Team Leader - Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Wednesday, 18 July 2012 3:26 PM
To: Lagerroth Stephen
Cc: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Alex

Warwick had additional comments regarding this. I've made some changes but I'm not 100% of others.

One of his comments was tightening it up.

Note I've put on tomorrows date.

Cheers

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Friday, 13 July 2012 9:29 AM
To: Apostol Alex
Cc: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Morning Alex

I've given the letter to Warwick

Cheers
Steve

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Friday, 13 July 2012 8:58 AM
To: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Thanks for updating the letter. It looks to me that we are clear on what we want with the plans.

Attached is the finalised letter.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

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Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
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Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Thursday, 12 July 2012 4:19 PM
To: Apostol Alex
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Have a look at my changes and see what you think.

Regards

Stephen Lagerroth

A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Wednesday, 11 July 2012 3:54 PM
To: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steven,

2nd try. Attached is the revised letter.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House 'PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 'Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Lagerroth Stephen
Sent: Wednesday, 4 July 2012 5:17 PM
To: Apostol Alex

Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hey Alex

I just had a very quick chat with Warwick regarding this.

In reading the letter Warwick wasn't entirely sure what was being requested from the client. For example what is the final point (SBSMP) on page 2 requesting or saying? If it means that the SBSMP has not addressed all contaminants of stormwater than maybe that is what should be said and thereby requested. In other words make it a little simpler for the client.

Another point is the references to the TEP. He wasn't sure if the mentioning of the TEP itself should be taken out or the conditions that are in the TEP should be removed.

Lastly the acronyms were causing him to jump all over the place. Maybe limit their use to those that are prevalently used.

Could you have another pass at the letter and tighten what we are requiring them to change and when I return I'll have another look as well.

Cheers
Steve

Regards
Stephen Lagerroth
A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Wednesday, 4 July 2012 4:31 PM
To: Lagerroth Stephen
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Any word on this?

Thanks, alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House PO Box 2316
Cnr Camooweal & Mary Streets

Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 | Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Lagerroth Stephen
Sent: Tuesday, 3 July 2012 11:09 AM
To: Apostol Alex
Subject: RE: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

I'm not 100% sure. I remember that Warwick and I were going to chat about it but I can't remember what happened post chat. I'll get back to this afternoon.

Regards

Stephen Lagerroth

A/Team Leader -Mining & Heavy Industry (Northern Region)
Department of Environment and Heritage Protection
Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870
www.ehp.qld.gov.au

From: Apostol Alex
Sent: Tuesday, 3 July 2012 10:08 AM
To: Lagerroth Stephen
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

I wondered if the attached letter has been signed?

Thanks,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House | PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 | Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Lagerroth Stephen
Sent: Monday, 25 June 2012 3:56 PM
To: Fegan Warwick
Cc: Apostol Alex
Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Goes with accompanying letter

Regards

Stephen Lagerroth

A/Team Leader -Mining & Heavy Industry (Northern Region)

Department of Environment and Heritage Protection

Telephone: (07) 4222 5467 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870

PO Box 937 Cairns QLD 4870

www.ehp.qld.gov.au

From: Apostol Alex

Sent: Monday, 25 June 2012 2:27 PM

To: Lagerroth Stephen

Cc: Fegan Warwick

Subject: FW: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Steve,

Attached for your review is a draft letter to GHD/Ostoic providing comments on the submitted Site Based Management Plan (SBMP) as part of the ongoing Ostoic TEP (MAN14060).
I have also attached the Keeper reference of the GHD/Ostoic submittal, if you need to view the SBMP.
Let me know if you need more information on this.

P/S; Please include this in my work tasks. I missed this one during our meeting this morning. Sorry!

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House PO Box 2316
Cnr Campbell & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 Fax: (07) 4744 7800
Email: alex.apostol@derm.qld.gov.au
Website: www.derm.qld.gov.au

From: Jennifer.Constantinou@ghd.com [<mailto:Jennifer.Constantinou@ghd.com>]

Sent: Thursday, 31 May 2012 1:32 PM

To: Apostol Alex

Cc: Fegan Warwick; david.peet@ostoic.com.au

Subject: Ostoic TEP MAN14060 - 31 May 2012 Milestone (Pollution Abatement Plan)

Hi Alex,

Please refer to attached correspondence in relation to the Ostoic Group Transitional Environmental Program (Certificate of Approval Number MAN14060 dated 18 May 2012) and 31 May 2012 Milestone.

I have sent a large file transfer with the Site Based Management Plan. Please let me know if you do not receive it.

Regards

Jennifer Constantinou
Town Planner

GHD

T: 61 7 3316 3673 | s.49 | F: 61 7 3316 3333 | E: jennifer.constantinou@ghd.com
201 Charlotte Street Brisbane QLD 4000 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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RTI DL RELEASE - EHP



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25 July 2012

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Jennifer Constantinou
Town Planner
GHD Pty Ltd
GPO Box 668
Brisbane QLD 4001

C/C David Peet
Environmental Manager
Ostojic Group Pty Ltd
PO Box 38915
Northern Territory 0821

Dear Jennifer,

**Ostojic Group Transitional Environmental Program (MAN14060) – Site Based Management Plan
31 May 2012**

I refer to the report received at this office on 31 May 2012, titled "Ostojic Group Report for Bulk Handling Facility, Sir Hudson Fysh Drive, Cloncurry - Site Based Management Plan, 31 May 2012". The report was submitted as a partial fulfilment of the requirements of Transitional Environmental Program (TEP, MAN14060) approved on 18 May 2012 for the Ostojic Bulk Handling Facility.

The Department of Environment and Heritage Protection (EHP) has reviewed the submitted report and wishes to offer the following comments:

Pollution Abatement Plan

The development and implementation of a Pollution Abatement Plan has been identified as one of the two major actions in the approved draft TEP (MAN14060) to address compliance with condition A1 of the Development Approval (DA) SPDE01054010. It is therefore expected that a comprehensive Pollution Abatement Plan is developed and presented providing details of each identified pollution abatement/control measure.

EHP recommends that the Pollution Abatement Plan, presented in Section 6.11 of the Site Based Management Plan, also address the following elements:

- Specific dust control measures proposed for the openings and vents of the mineral concentrate storage shed.
- Plan and details, showing the location of the proposed truck washing facilities, water source and storage and disposal of the wash water resulting from truck washing activity.
- Specific actions to be undertaken for each identified control measure.
- Timeframe of implementation (start date, completion date) for each control measure and actions to be taken under each identified control measure.

Comment [SBL1]: Warwick isn't sure what is required here. What other pollution control measures are required? Also can these points be reduced to one point

Suite 30 Level 1 Mt Isa House
Cnr Camooweal & Mary Streets
Mt Isa Queensland 4825 Australia
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Queensland 4825 Australia
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Facsimile (07) 4744 7800
Website www.ehp.qld.gov.au
ABN 46 640 294 485

Dust Monitoring Program

- ~~The Dust Monitoring Program needs to be updated to reflect the reporting requirement indicated in TEP MAN14060 regarding frequency, analysis and timeframes.~~
- ~~Provide additional details, e.g., distance and direction with respect to the source of pollutant and for the sampling locations in Table 5 (Sampling Locations).~~
- GHD recommends that Air Quality Monitoring Program be carried out for an initial 12 month period and extend following a complete analysis and reporting of the results from all monitoring carried out. It is recommended that the monitoring program be consistent with TEP MAN14060, which requires that the receiving environment dust monitoring program be implemented and maintained for the period of the TEP, i.e. until May 2014.

Stormwater Management Plan

- The submitted Site Based Stormwater Management Plan (SBSMP) for Ostoic Bulk Handling Facility (as the title implies) did not provide for monitoring of the receiving environment which could be impacted by any potential release from the site. ~~The stormwater management plan needs to include details relating to the monitoring of the receiving environment in accordance with the conditions of the DA, including the monitoring locations.~~
- ~~The SBSMP needs to be updated, by removing all statements, referring to the TEP. Note that the approved TEP does not include actions related to stormwater management at the site.~~
- ~~Clarify in the plan whether the existing inlet structure located east of catchment area no. 5 and discharging into the large grassed channel will remain on site.~~
- It is recommended that the GPS coordinates of all proposed points of discharge be provided in the report.
- The SBSMP did not identify specific contaminants (e.g., iron, copper, etc.) from the stormwater runoff that come in contact with the minerals (magnetite and copper) on site. It is recommended that the stormwater management plan addresses all contaminants that may be present in the stormwater, including but not limited to those identified in the EA.
- Table 3-2 (Water Quality Objectives) limits the water quality objectives as "percent reduction" of each identified pollutant. ~~The stormwater management plan must comply with the DA, ensuring stormwater quality that is within the limits specified in Table 2 (Contaminant Release Limits to Water).~~

If you have any queries in relation to this matter please contact Alex Apostol on (07) 4744 7814.

Yours faithfully,

Warwick Fegan
A/Manager
Mining and Heavy Industry - Northern Region
Environmental Services and Regulation
Department of Environment and Heritage Protection

Deleted: Section 3.7 (Reporting) of the
Deleted: reporting
Deleted: , i.e., six-monthly basis during the period of the TEP.
Deleted: R
Deleted: ¶ <#>Section 3.7.3 (Reporting of Exceedances) needs to be amended to include ambient air quality limits stipulated in Table 1 of TEP MAN14060 for PM ₁₀ , total suspended particulate and dust deposition.¶
Deleted: In addition to the GPS coordinates of the sampling locations, it is recommended that a
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Deleted: Section 1.5 (Scope of Work and Limitations) should be amended to remove all statements
Comment [SBL2]: Please check what is the TEP – W ... [1]
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Page 2: [1] Comment [SBL2]	Lagerroth Stephen	18/07/2012 3:04:00 PM
Please check what is the TEP – Warwick thinks that		
Page 2: [2] Deleted	Lagerroth Stephen	18/07/2012 3:08:00 PM
EHP inspection on December 2011 and January 2012 revealed an existing inlet located east of Catchment Area No. 5, provided with gravel/straw bale as erosion control measure. This inlet structure, which discharges into the large grassed channel, is not mentioned in Section 2.3.2 (Existing Catchment Conditions) and is not shown on Figure 4 (Existing Site Drainage Plan).		
Page 2: [3] Deleted	Apostoa	24/07/2012 1:46:00 PM
identified by EPH staff in December and January		
Page 2: [4] Deleted	Lagerroth Stephen	18/07/2012 3:05:00 PM
This objective does not ensure compliance with the applicable guidelines; It is recommended that the objectives of		
Page 2: [5] Deleted	Lagerroth Stephen	18/07/2012 3:20:00 PM
of DA SPDE01054010 and other applicable guidelines, e.g., ANZECC/ARMCANZ 2000.		
Page 2: [6] Deleted	Lagerroth Stephen	18/07/2012 3:20:00 PM
Delete statement referring to the TEP in Section 5.1 (Monitoring) as the approved TEP does not include actions related to stormwater management at the Site.		
The Stormwater Management Plan does not provide monitoring locations within the receiving water/creek that will be impacted by the release from the detention basin. It is recommended that the monitoring program be amended to consider DA SPDE01054010 conditions related to water.		
Page 2: [7] Deleted	Lagerroth Stephen	18/07/2012 3:22:00 PM
Page 2: [8] Formatted	Lagerroth Stephen	18/07/2012 3:22:00 PM
Widow/Orphan control		

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Thursday, 26 July 2012 5:00 PM
To: Geoff.Ford@ghd.com
Subject: RE: Ostoic Group progress report for TEP

Hi Geoff,

Finally, I was told not to act on any requests related to Ostoic Bulk Handling Facility until the legal issues are settled between the Cloncurry Shire Council and Ostoic.

Sorry, I wasn't aware of the legal matters on the Ostoic site not until a few hours ago, when Cairns office told me about this.

So please do not expect any letter related to your submittal.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House 'PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814 'Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Geoff.Ford@ghd.com [mailto:Geoff.Ford@ghd.com]
Sent: Wednesday, 25 July 2012 12:23 PM
To: Apostol Alex
Subject: RE: Ostoic Group progress report for TEP

Thanks for the update Alex.

I will wait to hear from you.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 | s.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Eagle Street, Brisbane QLD 4000 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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 "Apostol Alex" ---25/07/2012 11:27:45 AM---Hi Geoff,

From:

<Geoff.Ford@ghd.com>

To:

25/07/2012 11:27 AM

Date:

RE: Ostoic Group progress report for TEP

Subject:

Hi Geoff,

Sorry, the letter kept coming back and forth between myself and the Cairns office.
I've been trying to have the letter signed by our manager in Cairns.

Please bear with me.

Thanks,
Alex

Alex Apostol
Senior Environmental Officer
Environmental Services, North Region
Mining & Heavy Industry
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

From: Geoff.Ford@ghd.com [<mailto:Geoff.Ford@ghd.com>]

Sent: Friday, 29 June 2012 5:06 PM

To: Apostol Alex

Cc: david.peet@ostoic.com.au; Bradley.Wood@ghd.com

Subject: Ostoic Group progress report for TEP

Hi Alex

We refer to Ostoic Group's progress report for the Transitional Environmental Program certificate number MAN14060. Due to the size of the file, we have sent it via large file transfer.

Please let me know if you have any difficulty downloading the file.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 s.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Eagle Street, Brisbane QLD 4000 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Thursday, 20 September 2012 2:34 PM
To: Fegan Warwick
Subject: Dust Complaint

Hi Warwick,

FYI.

I received a call from s.49 at 2:17 PM today complaining about dust.

s.49 driving to the Cloncurry Airport, yesterday morning at around 7 AM, approx. 100m from the Ostojic facility,
s.49 saw this cloud of very thick dust hanging so low that s.49 couldn't see the truck coming from the opposite lane.

I asked if she rang the Cloncurry Shire Council to report s.49 complaint. s.49 had called the council but the council referred s.49 to EHP (?)

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Mining & Heavy Industry, North Region
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

RTI DL RELEASE - EHP

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Friday, 21 September 2012 4:00 PM
To: Michael Mortimore
Subject: Dust Complaint

Hi Michael,

As I understand there are some issues on the Development Approval (DA) and TEP issued by the Department of Environment and Heritage Protection to Ostojic Bulk Handling Facility, I just want to let you know that this office received a call from s.49 complaining about the dust from your facility s.49 said that on Wednesday (19 Sep 2012) morning around 7 AM on s.49 way to the airport approx 100m from Ostojic facility, there was a big cloud of dust hanging so low that s.49 ouldn't see the truck coming from the opposite lane.

s.49 said that s.49 also called in the Council and filed s.49 complaint. So the Council might be dealing with Ostojic to address this issue.

It is expected that Ostojic would implement measures to mitigate dust generation on site to prevent further complaints from Cloncurry residents.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Mining & Heavy Industry, North Region
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

RTI DL RELEASE - EHP

From: Geoff Ford [Geoff.Ford@ghd.com]
Sent: Friday, 28 September 2012 2:00 PM
To: Apostol Alex
Subject: Ostojic Group TEP

Hi Alex

As discussed, we are going to submit a letter, on behalf of Ostojic Group, with an update on the Transitional Environmental Program (TEP) for the month of September 2012. Could you please forward me the full name and contact details of Ingrid in Cairns whom we are to forward the letter to?

I look forward to your response.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 | S.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Anne Street, Brisbane QLD 4001 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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From: Geoff Ford [Geoff.Ford@ghd.com]
Sent: Friday, 28 September 2012 4:01 PM
To: Fegan Warwick
CC: Apostol Alex; Jennifer Constantinou
Subject: Ostoic Group Transitional Program (MAN14060) 30 September 2012 Milestones
Attachments: Milstone letter.pdf

Dear Warwick

I refer to the above Transitional Environmental Program (TEP) and **attach** a letter on behalf of our client Ostoic Group Pty Ltd detailing its compliance with the milestones for the month of September 2012.

I note that the updated Site Based Management Plan (SBMP) which forms an enclosure to this letter is too large for correspondence via email. I have therefore compressed the SBMP file and will be sending it to this same email address via large file transfer. Please let me know if there are any issues in relation to your receipt of this file.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD
T: 07 3316 3591 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Anne Street, Brisbane QLD 4001 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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28 September 2012

The Department of Environment and Heritage Protection
PO Box 937
Cairns QLD 4870

Our ref: 41/23951/440477
Your ref: MAN14060

Attention: Mr Warwick Fegan

Dear Warwick

**Ostojic Group Transitional Environmental Program (MAN14060)
30 September 2012 Milestone - Site Based Management Plan, Dust Control and Air
Quality Monitoring**

I refer to the Ostojic Group Transitional Environmental Program (Certificate of Approval Number MAN14060 dated 18 May 2012) for their Bulk Handling Facility at Sir Hudson Fysh Drive Cloncurry and provide this update of Ostojic's compliance with milestones for 30 September 2012. This is summarised below.

Table 1 Summary of TEP Requirement and Response for 30 September 2012

Action	Item	Delivery Date	Ostojic Group Response
1(b)	Provision of dust control measures and monitoring devices at necessary openings of the mineral concentrate shed.	30 September 2012	A recent housekeeping inspection identified areas of concentrate escaping from the building with two doors not closing correctly. Actions have been put in place to rectify this (repair and or replace the doors).
1(c)	Installation and operation of dust suppression measures such as watering systems.	30 September 2012	A water truck is currently being used to suppress dust that is generated on site. Due to current water supply issues on site, a more permanent and water efficient measure such as a watering system, is proposed to be installed.
2(b)	Order, purchase and construct relevant monitoring stations where applicable (ambient air	30 September 2012	Ambient air quality and dust monitoring equipment has been purchased and delivered to Ostojic's facility at Cloncurry. Landowners consent has been obtained for monitoring locations. Installation of the equipment has been arranged and monitoring is due to commence in October 2012 in line with the requirements in the TEP. Receipts are available upon request.



	quality and dust deposition monitoring program).		
2(e)	Incorporate program into Site Based Management Plan (ambient air quality and dust deposition monitoring program).	30 September 2012	The ambient air quality and dust monitoring program has been incorporated into the SBMP. The SBMP is enclosed.

Should you have any queries in relation to the above, please do not hesitate to contact Geoff Ford on 07 3316 3591.

Yours sincerely
GHD Pty Ltd

s.49 - Signature

Geoff Ford
Environmental Consultant
(07) 3316 3569

Attachment: SBMP for Bulk Handling Facility, Sir Hudson Fysh Drive Cloncurry (*refer to Section 3.11 for Pollution Abatement Plan and Appendix F for Dust Monitoring Program*)

From: Fegan Warwick [Warwick.Fegan@ehp.qld.gov.au]
Sent: Wednesday, 31 October 2012 3:15 PM
To: Geoff Ford
CC: Jennifer Constantinou; Apostol Alex
Subject: RE: Ostojic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Geoff,

Thanks for sending through the draft land remediation plan. EHP will review the draft plan, and advise of any comments.

Regards,
Warwick

From: Geoff Ford [mailto:Geoff.Ford@ghd.com]
Sent: Wednesday, 31 October 2012 3:11 PM
To: Fegan Warwick
Cc: Jennifer Constantinou
Subject: Ostojic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Dear Warwick

I refer to the above Transitional Environmental Program (TEP) and **attach** a letter on behalf of our client Ostojic Group Pty Ltd detailing its compliance with the milestones for the month of October 2012.

These milestones included the requirement to provide a land remediation plan. I have also **attached** a draft land remediation plan on behalf of Ostojic Group for the DEHP's consideration.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 | S.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Anne Street, Brisbane QLD 4001 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Wednesday, 14 November 2012 1:48 PM
To: Fegan Warwick
Subject: Ostoic Bulk Handling Facility Draft Remediation Plan

Hi Warwick,

Please find below my comments on the submitted Draft Remediation Plan for Ostoic Bulk Handling Facility in Cloncurry.

Please call if you have any question.

Rgrds,
Alex

Comments on the Ostoic Bulk Handling Facility Draft Remediation Plan:

General comment: The TEP has indicated that "A land remediation plan covering areas contaminated by mineral concentrates will be developed". The draft Remediation Plan (RP) however is limited to the Ostoic bulk handling site only. A recent incident of stormwater overflow may have impacted the creek downstream of the site and contaminants may have been deposited into the creek bed. An assessment of the receiving environment (creek) that was impacted by the overflow incident should have been included in the RP and if found contaminated, then a remediation plan for the creek should also be developed.

Groundwater assessment

- The Remediation Plan (RP) recommended a groundwater assessment be undertaken to develop groundwater remedial goals. This groundwater assessment was not part of the submitted RP.
- It is suggested that the groundwater assessment be undertaken and incorporated in the RP to provide a complete assessment and remediation of the site.

Remediation Criteria

The RP presented 2 soil remediation criteria (RC):

1. RC F - a total of approx. 10,000 m³ of impacted soil, based on an area of 5 ha and depth of 0.2 m, will require excavation and treatment to meet the Remediation criteria F;
2. RC A - a total excavation of approx 0.2 m across the site, equalling an approximate volume of 25,000 m³ will be required.

RC A is at more stringent level of remediation than RC F.

Which option is Ostoic implementing? Who would decide which RC needs to be implemented?

Disposal Option

The RP presented remedial strategies and indicated the preferred option, i.e., excavation and return contaminated soil to EHM for mineral processing - I agree with the preferred option as the minerals stockpiled on site mainly come for EHM. However, EHM must be consulted and must agree with the proposed disposal option. Otherwise, Ostoic needs to provide alternative (2nd most preferred) option on this.

Source of fill materials

- The RP did not indicate the source of fill materials to be used to replace the excavated contaminated soils.

Plan Implementation and Timeframe

- The plan did not mention anything about how Ostoic will proceed with the implementation of the remediation plan (whether the excavation will be done one time or by phasing).

- The plan did not state the timing and the time frame to complete the plan implementation. It will be worth mentioning if this will be implemented prior to the wet season to prevent or reduce contaminants being washed out into receiving environment.

Alex Apostol
Senior Environmental Officer
Mining & Heavy Industry, North Region
Department of Environment & Heritage Protection

Suite 30 Level 1 Mt Isa House, PO Box 2316
Cnr Camooweal & Mary Streets
Mt Isa QLD 4825 Australia
Phone: (07) 4744 7814, Fax: (07) 4744 7800
Email: alex.apostol@ehp.qld.gov.au
Website: www.ehp.qld.gov.au

RTI DL RELEASE - EHP

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Sent: Wednesday, 28 November 2012 8:48 AM
To: Geoff Ford
CC: Apostol Alex
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Geoff,

I would expect a response on the land remediation plan will be provided by the end of the week.

Regards,
Warwick

Warwick Fegan
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Department of Environment and Heritage Protection
Telephone: (07) 4222 5324 Facsimile: (07) 4222 5070

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From: Fegan Warwick [Warwick.Fegan@ehp.qld.gov.au]
Sent: Friday, 30 November 2012 10:59 AM
To: Apostol Alex
Subject: Ostojic Letter
Attachments: SKMBT_C45212113010550.pdf

Alex,

Attached is Ostojic letter for dispatching to client.

Cheers

<<...>>

Warwick Fegan
Principal Environmental Officer

Environmental Services & Regulation – Northern Region

Department of Environment and Heritage Protection
Telephone: (07) 4222 5324 Facsimile: (07) 4222 5070

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RTI DL RELEASE - EHP



Department of
**Environment and
Heritage Protection**

Ref SPDE01054010, NOR/086766

30 November 2012

Mr Geoff Ford
GHD Pty Ltd
145 Anne Street GPO Box 668
Brisbane Qld 4000

Dear Sir,

Ostojic Bulk Handling Facility Draft Remediation Action Plan

Thank you for the draft Remediation Action Plan for Ostojic Bulk Handling Facility received by the Department of Environment and Heritage Protection (EHP) on 31 October 2012.

The Remediation Action Plan meets requirement 1(e) of Transitional Environmental Program (TEP) MAN14060 for the Ostojic Bulk Handling Facility approved by EHP on 18 May 2012.

In review of the Draft Remediation Plan, EHP has enclosed comments on the content of the plan (refer Attachment 1 to this letter). Please consider the attached comments when developing and implementing the final Remediation Action Plan for the facility.

If you have any question or want to discuss the comments, please contact Alex Apostol of EHP on (07) 4744 7814.

Yours sincerely

s.49 - Signature

Warwick Fegan
**Principal Environmental Officer – Mining and Heavy Industry
Environmental Services and Regulation – Northern Region
Department of Environment and Heritage Protection**

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Website www.ehp.qld.gov.au
ABN 46 640 294 635 of 96

Attachment 1 - EHP Comments on the Ostojic Bulk Handling Facility Draft Remediation Plan

General comment

The TEP has indicated that "A land remediation plan covering areas contaminated by mineral concentrates will be developed". The draft Remediation Plan (RP) however is limited to the Ostojic bulk handling site only. A recent incident of stormwater overflow (January 2012) may have impacted the creek downstream of the site and contaminants may have been deposited into the creek bed. An assessment of the receiving environment (creek) that was impacted by the overflow incident should have been included in the RP and if found contaminated, then a remediation plan for the creek should also be developed.

Groundwater assessment

-The Remediation Plan recommended a groundwater assessment be undertaken to develop groundwater remedial goals. This groundwater assessment was not part of the submitted Remediation Plan, and it is recommended that this assessment is undertaken and incorporated into the final Remediation Plan.

Remediation Criteria

The Remediation Plan presented 2 soil remediation criteria, however no detail was provided regarding which criteria would be implemented. It is recommended that the soil remediation criteria to be used be provided as part of the Final Remediation Plan.

Disposal Option

The Remediation Plan presented remedial strategies and indicated the preferred option, i.e., excavation and return contaminated soil to EHM for mineral processing. While EHP is not opposed to this option, it is noted that this subject to approval from EHM.

Source of fill materials

The Remediation Plan did not detail the source of fill materials to be used to replace the excavated contaminated soils.

Plan Implementation and Timeframe

The Remediation Plan lacks detail on implementation timing, and requires further clarification.

From: Apostol Alex [Alex.Apostol@ehp.qld.gov.au]
Sent: Friday, 30 November 2012 12:58 PM
To: Geoff Ford
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones
Attachments: 2012 11 30 Letter to GHD re Ostoic Draft Remed Plan.pdf

Hi Geoff,

Please find attached EHP letter/comments on the draft Remediation Plan for Ostoic.

Rgrds,
Alex

Alex Apostol
Senior Environmental Officer
Mining & Heavy Industry, North Region
Department of Environment & Heritage Protection

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RTI DL RELEASE - EMD



Department of
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Ref SPDE01054010, NOR/086766

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Sent: Friday, 30 November 2012 1:00 PM
To: Apostol Alex
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Received – thank you Alex.

Geoff Ford
Environmental Consultant

GHD
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Level 5, 145 Anne Street, Brisbane QLD 4001 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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From: Geoff Ford [Geoff.Ford@ghd.com]
Sent: Friday, 21 December 2012 12:42 PM
To: Fegan Warwick
CC: Apostol Alex
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Warwick

I will be sending through Ostoic Group's Progress Report (due on 5 January 2012) via a large file transfer as the size exceeds our email capacity.

Please let me know if you have any issues receiving the report.

Also please note that the Air Quality Monitoring Report which is due today will be sent to you from Craig McVie from our office.

Have a Merry Christmas and Happy New Year.

Kind regards

Geoff Ford.

From: Fegan Warwick [mailto:Warwick.Fegan@ehp.qld.gov.au]
Sent: Wednesday, 28 November 2012 9:48 AM
To: Geoff Ford
Cc: Apostol Alex
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Geoff,

I would expect a response on the land remediation plan will be provided by the end of the week.

Regards,
Warwick

Warwick Fegan
Principal Environmental Officer
Environmental Services & Regulation – Northern Region
Department of Environment and Heritage Protection
Telephone: (07) 4222 5324 Facsimile: (07) 4222 5070

5b Sheridan St Cairns QLD 4870
PO Box 937 Cairns QLD 4870

www.ehp.qld.gov.au

From: Geoff Ford [<mailto:Geoff.Ford@ghd.com>]
Sent: Tuesday, 27 November 2012 5:12 PM
To: Fegan Warwick
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Warwick

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As I am sure you can probably appreciate things are moving quickly with this project so we would be grateful if you could provide any comments from EHP at your earliest convenience.

If you require any additional information please do not hesitate to contact me.

Kind regards

Geoff.

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Environmental Consultant

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From: Fegan Warwick [<mailto:Warwick.Fegan@ehp.qld.gov.au>]
Sent: Wednesday, 31 October 2012 3:16 PM
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Cc: Jennifer Constantinou; Apostol Alex
Subject: RE: Ostojic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Geoff,

Thanks for sending through the draft land remediation plan. EHP will review the draft plan, and advise of any comments.

Regards,
Warwick

From: Geoff Ford [<mailto:Geoff.Ford@ghd.com>]
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Cc: Jennifer Constantinou
Subject: Ostojic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Dear Warwick

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These milestones included the requirement to provide a land remediation plan. I have also **attached** a draft land remediation plan on behalf of Ostojic Group for the DEHP's consideration.

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Sent: Friday, 21 December 2012 2:36 PM
To: Geoff Ford
CC: Apostol Alex
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Thanks Geoff – we have downloaded the file from the link sent through.

Merry Christmas and Happy New Year.

Regards,
Warwick

Warwick Fegan
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Telephone: (07) 4222 5324 Facsimile: (07) 4222 5070

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12-378

File B - Part 1

78 of 96

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RTI DL RELEASE - EHP

From: Geoff Ford [Geoff.Ford@ghd.com]
Sent: Tuesday, 15 January 2013 11:05 AM
To: Fegan Warwick
CC: Apostol Alex
Subject: RE: Ostojic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Warwick

I hope you had a good break over Christmas and New Year's.

I am just writing to check on the status of EHP's response to Ostojic Group's Progress Report submitted on 21 December 2012.

I note that the original date in the TEP for obtaining necessary statutory approvals was 31 January 2013. Consequently Ostojic Group would be appreciative if you would be able to provide any response from EHP at your earliest convenience to ensure they are able to comply with the dates in the TEP.

Kind regards

Geoff.

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Environmental Consultant

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Merry Christmas and Happy New Year.

Regards,
Warwick

Warwick Fegan
Principal Environmental Officer
Environmental Services & Regulation – Northern Region
Department of Environment and Heritage Protection
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From: Fegan Warwick [<mailto:Warwick.Fegan@ehp.qld.gov.au>]
Sent: Wednesday, 31 October 2012 3:16 PM
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Cc: Jennifer Constantinou; Apostol Alex
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RTI DL RELEASE - EHP

From: Fegan Warwick [Warwick.Fegan@ehp.qld.gov.au]
Sent: Friday, 18 January 2013 3:14 PM
To: Craig McVie
CC: Apostol Alex
Subject: RE: Ostoic Bulk Handling Facility Cloncurry Monthly Report for Month Ending November 2012

Hi Craig,

Thanks for sending that through. EHP noted the following in the report:

- That the filters in the High Volume Air Samplers were not changed regularly, and as such, the averaging periods were varied;
- Two of the monitoring stations were not sampled due to staff movements;
- The PM10 sampling machine requires repair; and
- Dust Deposition at the R1 site was elevated (however it is noted that the site was upwind of the facility for a significant portion of time).

It is expected that the issues around sampling frequency and PM10 machine issues are resolved for future sampling events.

If you wish to discuss this any further, please don't hesitate to let me know.

Regards,
Warwick

Warwick Fegan
Principal Environmental Officer
Environmental Services & Regulation – Northern Region
Department of Environment and Heritage Protection
Telephone: (07) 4222 5324 Facsimile: (07) 4222 5070

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PO Box 937 Cairns QLD 4870

www.ehp.qld.gov.au

From: Craig McVie [mailto:Craig.McVie@ghd.com]
Sent: Monday, 24 December 2012 11:40 PM
To: Fegan Warwick
Subject: Ostoic Bulk Handling Facility Cloncurry Monthly Report for Month Ending November 2012

Hi there,

I tried emailing this to you on Friday but it seems to have bounced back.

I have made the file smaller so I hope it works this time.

Kind regards
Craig McVie
Environmental Scientist – Air & Noise Assessments

GHD

T: +61 3 8687 8582 | M: s.49 | s.49 Craig.McVie@ghd.com
Level 8, 180 Lonsdale Street Melbourne VIC 3000 Australia | <http://www.ghd.com/>
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RTI DL RELEASE - EHP

From: Fegan Warwick [Warwick.Fegan@ehp.qld.gov.au]
Sent: Wednesday, 23 January 2013 11:19 AM
To: Geoff Ford
CC: Jennifer Constantinou; Apostol Alex
Subject: RE: Ostojic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Geoff,

Thanks for the update.

I will liaise with Jennifer

s.49

Regards,
Warwick

Warwick Fegan
Principal Environmental Officer
Environmental Services & Regulation – Northern Region
Department of Environment and Heritage Protection
Telephone: (07) 4222 5324 Facsimile: (07) 4222 5070

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From: Geoff Ford [mailto:Geoff.Ford@ghd.com]
Sent: Wednesday, 23 January 2013 11:13 AM
To: Fegan Warwick
Cc: Jennifer Constantinou
Subject: RE: Ostojic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Warwick

Thanks for sending the email and for the telephone call last week. We have been trying to arrange a suitable time to meet with you as Ostojic is keen to be part of the discussion. Unfortunately this has proved a little difficult but we hope to have a suitable time for you shortly.

s.49

Please direct any emails

to Jennifer

s.49

I look forward to speaking to you again soon.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

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From: Fegan Warwick [mailto:Warwick.Fegan@ehp.qld.gov.au]
Sent: Wednesday, 16 January 2013 4:52 PM
To: Geoff Ford
Cc: Jennifer Constantinou
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Geoff,

Thanks for the chat today and the email sent through. In relation to the TEP Progress Report, EHP is keen to discuss the issues raised regarding some of the milestones listed in the current TEP. I am aware of the issues around the council approvals and appeals process – so think it would be good to chat through this and look to amend the TEP to ensure that Ostoic can comply with the TEP and the requirements still achieve the environmental outcomes. Any changes to a TEP will need to go a more formal amendment process, but I would encourage the client to continue their program of works until we can discuss any TEP amendment.

If you let me know of an appropriate day and time for a meeting, I will confirm from our end. Also happy to chat through the Air Quality Report in this forum as required.

Regards,
Warwick

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To: Fegan Warwick
Cc: Jennifer Constantinou
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Warwick

We anticipate that the Air Quality Monitoring Report for the month of January will be submitted to EHP later than 20 January 2013. The report will be provided to you as soon as possible once the data analysis is received back from ALS.

I also look forward to your response in relation to the TEP Progress Report submitted on 21 December 2012.

Kind regards

Geoff.

Geoff Ford
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Principal Environmental Officer
Environmental Services & Regulation – Northern Region
Department of Environment and Heritage Protection
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From: Geoff Ford [<mailto:Geoff.Ford@ghd.com>]
Sent: Tuesday, 27 November 2012 5:12 PM
To: Fegan Warwick
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Warwick

Just touching base with reference to EHP's review of the draft land remediation plan that was sent to you on 31 October 2012.

As I am sure you can probably appreciate things are moving quickly with this project so we would be grateful if you could provide any comments from EHP at your earliest convenience.

If you require any additional information please do not hesitate to contact me.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

T: 07 3316 3591 | s.49 | F: 61 7 3316 3333 | E: geoff.ford@ghd.com
Level 5, 145 Ann Street, Brisbane QLD 4001 Australia | GPO Box 668 Brisbane QLD 4001 | www.ghd.com

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From: Fegan Warwick [<mailto:Warwick.Fegan@ehp.qld.gov.au>]
Sent: Wednesday, 31 October 2012 3:16 PM

To: Geoff Ford
Cc: Jennifer Constantinou; Apostol Alex
Subject: RE: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Hi Geoff,

Thanks for sending through the draft land remediation plan. EHP will review the draft plan, and advise of any comments.

Regards,
Warwick

From: Geoff Ford [<mailto:Geoff.Ford@ghd.com>]
Sent: Wednesday, 31 October 2012 3:11 PM
To: Fegan Warwick
Cc: Jennifer Constantinou
Subject: Ostoic Group Transitional Program (MAN14060) 31 October 2012 Milestones

Dear Warwick

I refer to the above Transitional Environmental Program (TEP) and **attach** a letter on behalf of our client Ostoic Group Pty Ltd detailing its compliance with the milestones for the month of October 2012.

These milestones included the requirement to provide a land remediation plan. I have also **attached** a draft land remediation plan on behalf of Ostoic Group for the DEHP's consideration.

Kind regards

Geoff.

Geoff Ford
Environmental Consultant

GHD

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31 May 2012

The Department of Environment and Heritage Protection
PO Box 937
Cairns QLD 4870

Our ref: 41/23951/435639
Your ref: MAN14060

Attention: Mr Warwick Fegan

Dear Warwick

**Ostojic Group Transitional Environmental Program (MAN14060)
31 May 2012 Milestone - Pollution Abatement Plan**

I refer to the Ostojic Group Transitional Environmental Program (Certificate of Approval Number MAN14060 dated 18 May 2012) for their Bulk Handling Facility at Sir Hudson Fysh Drive Cloncurry. As part of the TEP, Ostojic Group submits the required **Pollution Abatement Plan**.

The **Pollution Abatement Plan** has been integrated into the enclosed Site Based Management Plan (SBMP). The Pollution Abatement Plan is detailed in Section 3.11 of the SBMP and addresses Actions 1 and Sub-Actions 1(a) to 1(f) of the TEP. Please note that some of the Sub-Actions have a future delivery date and for the purpose of this submission Actions 1, 1(a) and 1(f) apply. This is summarised below.

Table 1 Summary of TEP Requirement and Response for 31 May 2012

Action	Item	Delivery Date	Ostojic Group Response
1	Pollution Abatement Plan	31 May 2012	Forms Section 3.11 in enclosed SBMP
1(a)	Housekeeping Procedure	31 May 2012	Forms Appendix H in enclosed SBMP
1(f)	Updated SBMP	31 May 2012	Enclosed

We also refer to the **Dust Monitoring Program** which has been prepared in response to the TEP. Whilst the TEP delivery date for this Program is 30 November 2012, Ostojic would like DEHP to review the program (enclosed as Appendix F of the SBMP) and provide any comment.

We trust the above meets with your approval. Should you have any queries please do not hesitate to contact the undersigned on 07 3316 3673.



Yours sincerely
GHD Pty Ltd

s.49 - Signature

Jennifer Constantinou

Town Planner
(07) 3316 3673

Attachment: SBMP for Bulk Handling Facility, Sir Hudson Fysh Drive Cloncurry (refer to Section 3.11 for Pollution Abatement Plan and Appendix F for Dust Monitoring Program)

RTI DL RELEASE - EHP