

Mitchell Hill Lagoons - Management System Summary

1.0 Site Plan

1.0.1 The management system will include a site plan that is drawn to scale and details where each aspect of site operations are undertaken on site. This includes and is not limited to the following:-

- Location of settlement lagoons and ancillary features;
- Location of processing (aggregate washing plant);
- Entrances and exits for emergency services; and
- Effluent discharge points.

1.0.2 In addition to the site's layout and infrastructure, there will also be a plan which identifies the location of any receptors that may be vulnerable to pollution as a result of the site's operations. This plan will be considered in connection to the Accident Prevention and Management Plan.

1.0.2 In accordance with Section 6 (Review of Management System), the site plan will be reviewed and may be amended if there are any changes to site operations that may affect the layout of the site. The plan may also be updated if there are any changes to nearby receptors.

2.0 Site Operations & Infrastructure

2.1 Site Operations

2.1.1 The management system will comprise documented procedures for all site operations in relation to start-up, normal operation and shut down. These procedures will also provide details of specific measures that will be undertaken in order to prevent or minimise the environmental risk from each aspect of site operations.

2.1.2 The procedures will be reviewed and may be amended under the following scenarios:-

- Periodic review (in accordance with Section 6) identifies an improved method of operation. The revised procedure will have a reduced or unchanged risk of impact upon safety, health and environment;
- A need to amend procedures is identified following a near miss investigation;
- A need to amend procedures is identified following an incident investigation; and
- Legislative requirements change resulting in a need to alter procedures.

2.2 Site Equipment and Maintenance Plan

2.2.1 A Planned Preventative Maintenance programme (PPM) will be incorporated into the site's management system. Details of faults, breakdowns and repairs will be documented and records will be maintained by the operator. Faults and breakdowns will be investigated and the service schedule will be revised if necessary.

2.3 Contingency Plans

2.3.1 All operational procedures will include contingency plans which detail what actions will be undertaken in the event of any breakdown, enforced shutdowns and any changes to normal operations (e.g. flooding or extreme weather). This will ensure that the necessary measures are employed to minimise the environmental risks arising from abnormal operating conditions.

3.0 Accident Prevention and Management Plan

- 3.0.1 The Accident Prevention and Management Plan will identify potential accidents that could arise from the site's operations, and the environmental consequences of those accidents. It will also provide details on how the operator will reduce the likelihood of accidents and indicates how the operator will respond should any such events occur.
- 3.0.2 The Accident Prevention and Management Plan will also include procedures to detail how incidents are recorded, investigated and responded to with corrective action. Also, in accordance with Section 4 (Keeping Records), Mick George will maintain a record of all incidents, how the incident was investigated and any actions that were undertaken as a result of the incident.
- 3.0.3 The Accident Prevention and Management Plan will be reviewed on an annual basis and under the following circumstances:-
- Periodic review identifies an improved method of operation. The revised procedure will have a reduced or unchanged risk of impact upon safety, health and environment;
 - A need to amend procedures is identified following a near miss investigation;
 - A need to amend procedures is identified following an incident investigation;
 - Legislative requirements change resulting in a need to alter procedures; and
 - Changes to emergency contacts.

3.1 Contact Information for the Public

- 3.1.1 A noticeboard will be situated at the site entrance which will include the following information:-
- The permit holder's name;
 - An emergency contact name and telephone number;
 - A statement that the site is permitted by the Environment Agency;
 - The permit number; and
 - Environment Agency telephone number 03708 506506 and the incident hotline 0800 807060.

3.2 A Changing Climate

- 3.2.1 As part of the review process (Section 6), Mick George will consider whether the site's operations could be affected by a changing climate which may include the delivery of the site's Accident Prevention and Management Plan and Contingency Plans.

3.3 Complaints Procedure

- 3.3.1 A complaints procedure will be incorporated in to the site's management system to ensure that complaints will be handled by the operator to reassure the Environment Agency and the public that any of their concerns will be acknowledged and acted upon where appropriate. The procedure will be reviewed on an annual basis as part of the management system review (Section 6) or in the event of any significant complaints.
- 3.3.2 As mentioned in Section 2.1, a noticeboard will be situated at the site entrance which details the operator's and the Environment Agency's contact details. This will ensure that any member of the public can report their complaint and be confident that it will be received by the appropriate party even if they do not wish to discuss their complaint directly with the operator.
- 3.3.3 Any complaint that is received by the operator will be investigated in order to identify the cause of the complaint. Once established, necessary actions will be undertaken to prevent re-occurrence.
- 3.3.4 The operator will maintain a record of all complaints, how the complaint was investigated and any actions that were undertaken as a result of the complaint.

4.0 Managing Staff Competence and Training Records

- 4.0.1 To ensure that the site is operated by personnel who are suitably trained, the operator will maintain a record which identifies each job role and the training requirements for each role. This will be monitored against a training matrix which will identify whether each member of staff has received the required training to undertake their role on site.
- 4.0.2 The operator will also maintain a record of all training, experience and qualifications of staff and kept will be kept up to date.
- 4.0.3 The training requirements and training matrix for all personnel will be reviewed on annual basis as part of the management system review (Section 6) and in the event of any significant alterations to the site operations or procedures.

5.0 Keeping Records

5.0.1 The operator will maintain a record of documents containing information regarding the operation of the site. This will include the following:-

Environmental permits and variation notices issued to the site;

- Legal requirements;
- Risk assessment for site operations;
- Any plans that are required by the Environmental Permit;
- Operating procedures;
- Staff competence and training;
- Compliance checks, findings of investigation and actions taken;
- Complaints made, findings of investigation and actions taken;
- Audits of management system, findings and actions taken; and
- Management reviews and changes made to the management system.

5.0.2 These documents will be kept in a convenient location on site, allowing access for any person that may be working or visiting the site.

5.0.3 In the event that the environmental permit requires the implementation of an approved amenity plan, the management system will be updated to ensure that a copy of the approved plan is included.

5.1 Site Condition Report

5.1.1 As part of the Environmental Permit application, a Site Condition Report (SCR) was prepared which provides an assessment of the site's current condition using the Environment Agency's H5 SCR template, including details of any past uses, historic pollution events and the environmental characteristics of the site.

5.1.2 The SCR will be incorporated in to the management system and reviewed on an annual basis or in the event that an incident occurs on site during operation. Following an incident, the SCR will be revised to include details of the incidents, measures that were undertaken and the effectiveness of these measures to protect the land or groundwater. This information will demonstrate that the necessary measures were undertaken to avoid any pollution risk at the point the operator seeks to surrender the environmental permit.

6.0 Review of Management System

6.1 Document Review Procedures

6.1.1 The management system will be reviewed on an annual basis to ensure compliance with the relevant guidance and regulations. The management system will also be reviewed under the following circumstances:-

- After any accident, near miss, complaint or breach of the Environmental Permit;
- Changes to the site or operations that will require the Environmental Permit to be varied (changed);
- Periodic review identifies an improved method of operation. The revised procedure will have a reduced or unchanged risk of impact upon safety, health and environment; and
- Legislative requirements change resulting in a need to alter procedures.

6.1.2 The operator will maintain a record of any changes to the management system. This record will detail the date that the management system was reviewed and when the next review is scheduled.

7.0 Site Closure

7.0.1 The proposed facility comprises a mining waste facility.

7.0.2 With reference to the Environment Agency's EPR 6.14 guidance, Box 2.2.11a states the following:-

"Except where the extractive waste is deposited in a Category A facility the closure and aftercare provisions of Article 12 of the Directive do not apply to mining waste facilities that:-

- only accept inert waste and unpolluted soil; or*
- are for waste resulting from the extraction, treatment and storage of peat or prospecting of mineral resources (except oil and evaporites other than gypsum and anhydrite)".*

7.0.2 As detailed in the Waste Management Plan, it is considered that the proposed facility is not a Category A facility and therefore is exempt from the requirements outlined in Article 12 of the directive. Nevertheless, the following details outlines the proposed measures for aftercare in accordance with the planning permission.

7.0.3 The aggregate processing plant and the silt lagoons are situated within Phase 8 of the proposed working phase. As part of the works, the plant site (Phase 8) will be the last area that will be worked for mineral resource.

7.0.5 Prior to extraction, it is proposed that all plant and the lagoons will be removed to allow access to the underlying mineral. Any water that is present at this stage will be discharged to the site's external drainage system via Outlet 1 (as permitted). Any silt that is present within the lagoons will naturally dewater and will be used to facilitate the restoration of the wider quarry site.

7.0.6 The Mitchell Hill area of the wider quarry site will be restored to agricultural land. The restoration of the site will be undertaken in accordance with an approved restoration scheme (via planning) and will be subject to a 5-year period aftercare scheme as a function of the planning permission.