

Lusail Real Estate Development Company WLL



# Lusail Development Project

Primary Infrastructure

**Environmental Monitoring Report**  
Month YYYY

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# Lusail Development Project

## **Environmental Monitoring Report XXXX 2010**

Report no.      Document number  
Revision no.    1  
Date of issue    Date (20 October 2013)

Prepared        Name  
Checked        Name  
Approved        Name

**LUS-HSE-FM4-446-098.00**

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# **1 Introduction**

## **1.1 Scope of Work**

Include a short description of the type of project is being undertaken by the contractor, and some of the key elements of the project. This information should be readily available on your project site. This section of the report will rarely change from month to month.

## **1.2 Status of the Work**

Include a short description of the status of the work:

- Milestones achieved
- % of the project completed to date
- Future major works within the next 3 months.

This information should be readily available from the Contractor's Planning Dept.

## **2 Environmental Monitoring**

### **2.1 Monitoring Locations**

Insert a map with the location of all monitoring stations (stationary and mobile).

All monitoring locations should be identified as per the monitoring that takes place at that location:

- Noise
- De-watering
- Air Quality
- Drinking Water

More than one map can be used if required.

All monitoring points should be individually and uniquely numbered / coded.

## 2.2 Noise Monitoring

Provide a short description of the noise monitoring program that is in place on your site. Information could include:

- Frequency of monitoring (daily / weekly / etc)
- Number of monitoring locations
- Equipment used for noise monitoring (equipment name, model number)
- Date of last calibration of noise meter
- Name and title of person conducting the monitoring

If you are not conducting noise monitoring, provide a short description of why the Contractors is not undertaking a noise monitoring program.

Provide a summary table of all noise monitoring data for the period being reported on. The summary table should include the following information relating to the monitoring activities: date, time, monitoring location, noise meter reading, etc

A sample summary table is included below.

<i>Date</i>	<i>Time</i>	<i>Monitoring Location</i>	<i>Noise Meter Reading (dBa)</i>

## 2.3 Air Quality Monitoring

Provide a short description of the Contractors air monitoring program.

Describe:

- if the monitoring is carried out using visual methods or instrumentation
- frequency of monitoring,
- duration of monitoring and
- number and name of monitoring locations from which monitoring takes place

If you are not conducting air quality monitoring, provide a short description of why the Contractor is not undertaking an air quality monitoring program.

Provide a summary table of all air quality monitoring data for the period being reported on.

## 2.4 De-Watering Monitoring

This section is only applicable to Contractors who are conducting de-watering activities. If the Contractor is not undertaking de-watering activities, this should be clearly stated.

If the contractor plans to commence de-watering activities within the next 3 months, this should also be clearly stated, indicating a proposed de-watering commencement date.

- For contractors involved in de-watering activities, provide a short description of your de-watering program. The description should include the following information:
- Number of locations at which de-watering is taking place
- Number of de-watering pumps being used
- Number of sediment tanks being used
- Volume of each sediment tank
- Whether de-watering water is being discharged directly to a water body or to a settlement pond
- Number of discharge points to an open water body (sea / lagoon / enclosed lagoon)

### **Monitoring results:**

The Contractor should describe the method they use to carry out the required daily and weekly de-watering monitoring.

Visual and odour inspection records must be maintained

If the contractor uses its own instrumentation for conducting the daily TSS and Turbidity monitoring, they must provide the following information:

- Equipment used for noise monitoring (equipment name, model number)
- Date of last calibration of meter
- Name and title of person conducting the monitoring



The monitoring requirements (as per OCEMP Section 20.5,c) and frequency include:

<i>Parameter</i>	<i>Acceptable Limits</i>	<i>Frequency</i>
Turbidity	<5NTU	Daily
Total Suspended Solids (TSS)	30 mg/l	Daily
Odour	Not specified	Daily
Discolouration	Not specified	Daily
pH	6-9	Weekly
COD	50 mg/l	Weekly
BOD <sub>5</sub>	25 mg/l	Weekly
Oil and Grease	5mg/l	Weekly
Total Coliform Bacteria	<23 MPN/100ml	Weekly
E Coli	<23 MPN/100ml	Weekly

Provide a summary table of all de-watering data for the period being reported on. The summary table should include the following information relating to the monitoring activities: sample date, monitoring location, result for each parameter, etc



A sample summary table for weekly monitoring results is included below.

<i>Date</i>	<i>Monitoring Location</i>	<i>pH</i>	<i>COD</i>	<i>BOD<sub>5</sub></i>	<i>Oil and Grease</i>	<i>Total Coliform Bacteria</i>	<i>E Coli</i>

Include the name of the of the Regulatory approved laboratory the Contractor uses to conduct the chemical analysis of the weekly / daily samples.

State that all monitoring records are held on file at the site office and are available for inspection.

## 2.5 Drinking Water Quality

Include a short description of the monitoring program the contractor has in place for drinking water. Include details such as:

- Frequency of monitoring
- Number of monitoring locations
- Name of the laboratory conducting the analysis

Provide a summary table of all drinking water quality data for the period being reported on. The summary table should include the following information relating to the monitoring activities: sample date, monitoring location, result for each parameter, etc

### **3 Waste Management**

#### **3.1 Storage of Construction, Hazardous and Domestic Waste**

Provide a short summary of the types of wastes being produced by the Contractor.

Insert a map with the location of waste storage areas.

- Provide a short description of:
- The number of skips provided on the site
- The name of the waste management service provider being utilised by the Contractor.
- The waste management permit number of the waste management service provider being used by the Contractor.

#### **3.2 Disposal of Construction, Hazardous and Domestic Waste**

Provide a summary table of all waste quantities removed from the Contractor site for disposal during the period being reported on. The summary table should include the following information relating to waste management activities: date, waste type, volume / quantity

<i>Date</i>	<i>Waste Type</i>	<i>Quantity of waste for disposal</i>

### 3.3 Recycling of Waste

Provide a summary table of all waste quantities removed from the Contractor site for recycling during the period being reported on.

The summary table should include the following information relating to waste management activities: date, waste type, volume / quantity

<i>Date</i>	<i>Waste Type</i>	<i>Quantity of waste for recycling</i>

## 4 Handling and Storage of Chemicals

### 4.1 Storage of Chemicals

Insert a map with the location of the chemical storage areas.

Provide a summary table of the inventory of chemicals in storage at the end of the period being reported on. The summary table should include the following information:

- Name of chemical
- Chemical classification (flammable, irritant, etc)
- Total volume of each type of chemical in stock

<i>Chemical Product Name</i>	<i>Chemical classification</i>	<i>Quantity in storage</i>

## 4.2 Import and Disposal of Chemicals

Insert two tables with information about the type and volume of Chemicals imported and disposed during the month.

Sample tables are outlined below:

### Disposal

<i>Date</i>	<i>Chemical Product Name</i>	<i>Quantity removed for disposal</i>	<i>Disposal company</i>

### Import of Chemicals

<i>Chemical Product Name</i>	<i>Chemical classification</i>	<i>Quantity Imported to site during reporting period</i>



## 5 Other Environmental Topics

### 5.1 Environmental Incidents / Accidents

Include details of any environmental incidents that have occurred during the reporting period.

Information should include:

- Date of incident
- Location where incident occurred
- Short description of the nature of the incident
- Description of the corrective action taken / planned

A sample summary table for environmental incidents is included below.

Date	Location	Description	Corrective Action

## 5.2 Environmental Awareness Training

Include details of any environmental training that was conducted by the contractor during the reporting period in the form of a summary table.

The summary table should include the following information relating to environmental training activities:

- Date of training
- Training topic
- Number of attendees who received the training.

A sample summary table is presented below:

<i>Date</i>	<i>Environmental Training Topic</i>	<i>Number of people trained</i>

## 5.3 Environmental Friendly Initiatives

Provide a short paragraph (and photographs if appropriate) of any environmental initiatives that have been implemented by the contractor during the reporting period.

## 5.4 Pest Control

Provide a short paragraph of pest control measures implemented by the contractor on site. If an external pest control company is used, provide details of the company, including regulatory authority permit / license number.