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## SURFACE WATER MANAGEMENT PLAN (TERRESTRIAL)

3	15/08/2016	Updated based on changes to project configuration	MFC	See attachment of reviewer's signature	
2	22/04/2015	Response LSP's Comments	ERM	See attachment of reviewer's signature	
1	25/02/2015	Response LSP's Comments	ERM	See attachment of reviewer's signature	
0	14/01/2015	Issue For Review	ERM	See attachment of reviewer's signature	
REV.	DATE (dd/mm/yyyy)	DESCRIPTION	PREPARED	CHECKED	APPROVED

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### REVISION LOG

Rev.	Date (dd/mm/yyyy)	Revised Detail			
		Item	Page	Article	Description
0	14/01/2015	all	all	all	Issue For Review
1	25/02/2015	all	all	all	Response LSP's Comments
2	25/02/2015	all	all	all	Response LSP's Comments
3	16/08/2016	all	all	all	Updated based on changes to project configuration

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## ACRONYMS


ASP	Air Separation Plant
BOC	Balance of Complex
CTU	Central Utility Plant
EHS	Environmental, Health and Safety
ESIA	Environmental and Social Impact Assessment
HDPE	High Density Polyethylene
HSE	Health, Safety and Environment
HSSE	Health, Safety, Security and Environment
IFC	International Finance Corporation
LLDPE	Linear Low Density Polyethylene
LSP	Long Son Petrochemicals
MONRE	Ministry of Natural Resources and Environment
MP	Management Plan
PP	Polypropylene
QCVN	National Technical Regulation
TSS	Total Suspended Solids

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## DISCLAIMER

It is upon the Contractor to solicit, acquire and comply with all information, laws, rules, regulations, and Applicable Standards which is/are necessary and/or required for and applicable to the Contractor's performances of the works hereunder.

The Contractor hereby agrees and acknowledges that the Employer makes no representation or warranty, express or implied, regarding the accuracy or completeness of any or all information, laws, rules, regulations, and Applicable Standards which is/are necessary and/or required for and applicable to the Contractor's performances of the works hereunder. THE EMPLOYER HEREBY EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ALL RESPECTS, and the Contractor agrees that neither the Employer nor any of its affiliate(s), director(s), officer(s), employee(s), consultant(s), professional advisor(s), and duly authorised representative(s) shall have any liability to the Contractor or any of its affiliate(s), director(s), officer(s), employee(s), consultant(s), professional advisor(s), and duly authorised representative(s) in any way relating to those information, laws, rules, regulations, and Applicable Standards which is/are necessary and/or required for and applicable to the Contractor's performances of the works hereunder or the Contractor's or its affiliate(s)', director(s)', officer(s)', employee(s)', consultant(s)', professional advisor(s)', and duly authorised representative(s)' reliance thereupon and/or use thereof.

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## 1 INTRODUCTION

### 1.1 PURPOSE AND SCOPE

The purpose of this Surface Water (Terrestrial) Management Plan (MP) is to set out [insert contractor name here] approach to manage and mitigate the residual impacts on surface water (terrestrial) that they have control over, as identified in Chapter 12 of the project's Environmental and Social Impact Assessment (ESIA) and the Long Son Petrochemical's (LSP) Construction Health, Safety and Environment Management Plan (ref: LSP-1S01-005).

It should be noted the information in this Surface Water (Terrestrial) MP is based on relevant regulations, guidelines and standards at the time of writing the updated ESIA in September 2016. Should the contractor's activities change or new regulations, guidelines or standards apply the contractor will review, amend and resubmit this Surface Water (Terrestrial) MP to LSP.

*[Note to contractor: If your onsite activities are not associated with surface water (terrestrial), you do not need to complete this template but you will need to provide justification as to why it is not applicable, e.g. you will not be undertaking activities associated with the potential sources of impacts on surface water (terrestrial) detailed in Section 1.3]*


### 1.2 PROJECT OVERVIEW

The Long Son Petrochemicals Complex Project is located in Hamlet 2 and Rach Gia Hamlet, Long Son Commune, Vung Tau City, Ba Ria – Vung Tau Province, Vietnam. The Complex is spread over 464 ha, including area for its future expansion. The Project will be comprised of two (2) main components:

**1) The Petrochemical Plant**, which consists of the following plants and units:

- Main Production Plants
  - Olefins Plant
  - High Density Polyethylene (HDPE) Plant
  - Linear Low Density Polyethylene (LLDPE) Plant
  - Polypropylene (PP) Plant
- Supporting Units
  - Central Utility Plant (CTU) (contains a Steam Generation Unit and Water Plant)
  - Tank Farm
  - Common Infrastructure

**2) The Seaport**, which consists of the following components:

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- Hydrocarbon Jetty - to transfer feedstock and product for the Petrochemical Plant
- Construction Jetty - to import construction materials, including heavy lift modules.

### 1.3 SOURCES OF IMPACTS ON SURFACE WATER (TERRESTRIAL)

The potential sources of impacts on surface water (terrestrial) during construction are as follows:

- Impacts from run-off to surface water quality during land development; and
- Development of the petrochemical facility following conclusion of the land development activities.

The construction schedule for the potential impacts to surface water (terrestrial) during construction is shown in Annex A.

*[Note to contractor: Contractor to insert Gantt chart of construction schedule in Microsoft Project Office format in Annex A, which should include a breakdown of the tasks that give rise to the sources of impacts on surface water (terrestrial), as noted above]*

### 1.4 APPLICABILITY


This MP applies to managing the impacts to surface water quality (terrestrial) during the land preparation and construction phase. Updates will be made to the document prior to the commencement of operations.

### 1.5 APPICABLE STANDARDS


The applicable surface water (terrestrial) standards during construction are as follows and are shown in Annex B:

- QCVN 08-MT:2015/BTNMT: National technical regulations on surface water quality;
- QCVN 09-MT:2015/BTNMT: National technical regulations on ground water quality;
- QCVN 10-MT:2015/BTNMTL: National technical regulations on marine water quality;
- QCVN 38:2011/BTNMT: National Technical Regulation on Surface Water Quality for Protection of Aquatic Life;



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- Decree No. 149/2004/ND-CP: Government Decree on Regulation on Licensing of Water Resources Exploitation, Extraction and Utilisation and Wastewater Discharge in Water Sources;
- QCVN 40:2011/BTNMT: National Technical Regulation on Industrial Wastewater;
- QCVN 14:2008/BTNMT: National Technical Regulation on Domestic Wastewater Discharge;
- Decree No. 149/2004/ND-CP: Government Decree on Regulation on Licensing of Water Resources Exploitation, Extraction and Utilisation and Wastewater Discharge in Water Sources;
- Decree No. 201/2013/ND-CP: Detailing the implementation of a number of articles of the Law on Water Resources;
- IFC General EHS Guidelines: Environmental Wastewater and Ambient Water Quality (April 2007);
- IFC General EHS Guidelines: Water Conservation (April 2007);
- IFC General EHS Guidelines: Construction and Decommissioning (April 2007);
- IFC EHS Guidelines for Water and Sanitation (December 2007);
- IFC EHS Guidelines for Large Volume Petroleum-based Organic Chemicals Manufacturing (April 2007); and
- IFC EHS Guidelines for Thermal Power Plants (December 2008).
- IFC General EHS Guidelines: Environmental Wastewater and Ambient Water Quality (April 2007); and
- IFC General EHS Guidelines: Construction and Decommissioning (April 2007).

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## **2 ROLES AND RESPONSIBILITIES**

### **2.1 INTRODUCTION**

Having an appropriate organisational structure in place, with all people having defined roles and responsibilities, is essential to ensuring the overall success of this Surface Water (Terrestrial) MP. This section provides details of LSP's and the contractor's organisational structure with regards to onsite delivery of the LSP project, and the various roles and responsibilities of those people in relation to delivering the clients EHS expectations, including meeting the requirements of the Construction Health, Safety and Environment Management Plan.

### **2.2 LSP CONSTRUCTION HSSE TEAM**

LSP's health, safety, security and environmental (HSSE) team will lead the management of HSSE issues concerned with surface water (terrestrial). The LSP organisational chart to manage the requirements of this Surface Water (Terrestrial) MP is shown in the figure below. The specific roles and responsibilities are shown in Chapter 5 of the LSP Construction Health, Safety and Environment Management Plan (ref: LSP-1S01-005).



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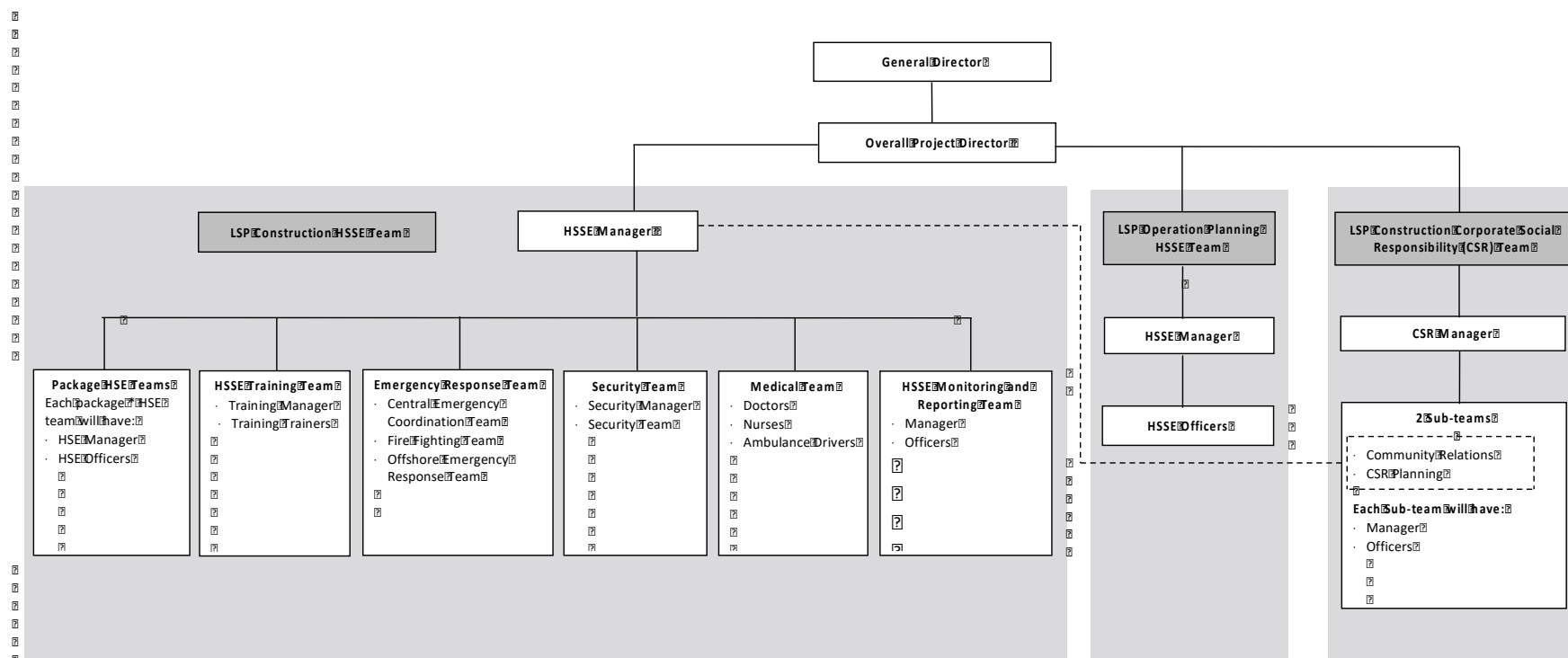
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Note:

Package A: Defines Plant, Tank Farm, Complex Interconnecting pipelines/pipes racks, and development in tank farm area, topside facilities in hydrocarbon jetties, Complex Wastewater treatment Unit and HP Flare/LP Flare system

Package B/C/D: Polyolefins Plant (HDPE/PP/LLDPE)


Package E: Sea Port (excluding topside in the Hydrocarbon jetties and construction jetty which are under the scope of the Contractor Package A and Package B respectively)

Package G: Central Utility Plant (including steam generation unit and water plant)

Package H: Common infrastructure in the complex (including administration building, Laboratory building, Canteen building, Emergency Center, First Aid Center and Polyolefins product warehouse)

Package I: Complex road including drainage, street lighting, CCTV, green area, topside for construction jetty, complex truck scale, and blowdown system

Package J: Land development work in the whole complex except tank farm area

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### 2.3 **CONTRACTORS HSSE TEAM**


The contractors HSSE team has established this Surface Water (Terrestrial) MP in accordance with the applicable standards. The contractors HSSE team will manage their contractors and suppliers to implement in accordance with this Surface Water (Terrestrial) MP and liaise with the appropriate personnel within LSP's HSSE to ensure compliance with the overall aims of LSP's Construction Health, Safety and Environment Management Plan (ref: LSP-1S01-005).

The contractors onsite organisational chart to implement the requirements of this Surface Water (Terrestrial) MP is shown in the figure below.

*[Note to contractor: Contractor to insert organisational chart for onsite team].*

### 2.4 **DESCRIPTION OF ROLES AND RESPONSIBILITIES**


The contractor has committed to providing the necessary human resources to ensure that the organisational structure noted above can work to implement this Surface Water (Terrestrial) MP and achieve compliance with all relevant standards. A description of the key roles and their responsibilities are provided in the *Table 2.1*, including the primary communication channel between LSP and contractor HSE teams. Employee contact details for each role associated with this Surface Water (Terrestrial) MP are provided in Annex C.

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**Table 2.1 EHS Roles and Responsibilities within Contractor's Project Team**

Role	Responsibilities
General Manager (Contractor)	
Senior Site Engineer (Contractor)	
Site Supervisor / Foreman (Contractor)	
Site EHS Officer (Contractor)	
Emergency Response Co-ordinator (Contractor)	
[Other]	
[Other]	

[Note to Contractor: Insert a description of the responsibilities of each role, with regards to the management of EHS and surface water (terrestrial). Delete roles that are not appropriate. Include additional roles where required.]

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### 3 **MITIGATION/MANAGEMENT PROCEDURES**

The mitigation/management procedures noted in this section provides the approach to managing the potential surface water (terrestrial) impacts during construction. The EPC contractor, subcontractor is committed to implementing the identified mitigation / management procedures in order to not cause exceedance of the applicable surface water standards, and to avoid impacts on the local community.

The mitigation / management measures that are relevant to *[insert contractors name here]* onsite activities are shown in *Table 3.1*.


The mitigation/management procedures were identified within the ESIA as being appropriate for the environmental impacts resulting from the anticipated construction activities. Should surface water (terrestrial) impacts arise from the contractors activities, following the implementation of the procedures noted in *Table 3.1*, the contractor will review the need for additional measures to be taken and update this Surface Water (Terrestrial) MP accordingly.

*Note to contractor: Delete mitigation/management measures which are not applicable or outside of your control. Insert the name of the responsible party from Table 2-1 for each mitigation/management measure.*

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**Table 3.1 Mitigation/Management Procedures**

Aspect, Potential Impact / Issue	Mitigation Reference	Mitigation and / or Management Procedures	Contractors Responsibility	Related Plans
Impacts from Run-off Water to Surface Water Quality during Land Development  Impacts from Run-off Water to Surface Water Quality during Construction Phase	1.1	<p>Undertaking the vegetation removal phase of works in an appropriate manner can also be an effective surface water management measures. This can include such measures as:</p> <ul style="list-style-type: none"> <li>a) Delineation of clearance boundaries prior to works commencing. Areas outside of the Project site are not to be disturbed, and vegetation on the Project site, but not required to be removed, is not to be disturbed;</li> <li>b) Planning and staging of vegetation removal works such that the entirety of the Project site does not become a source of unconsolidated/exposed soils prior to any surface water management features being implemented;</li> <li>c) Where necessary, Installation of supplementary sediment control features between the area proposed to be cleared and any identified sensitive water features such as freshwater. Examples of this include silt fences, gabions, rock check dams and biodegradable geotextiles; and</li> <li>d) If possible, removed vegetation should be either mulched (for use in stockpile and overburden management, as well as the consolidation of any disturbed areas which will not become hardstand) or used in surface water management features. It should not be burnt.</li> </ul>		

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Aspect, Potential Impact / Issue	Mitigation Reference	Mitigation and / or Management Procedures	Contractors Responsibility	Related Plans
	1.2	<p>Management of soil disturbing activities through various means is a key measure in managing surface water quality impacts. Management and mitigation measures able to be implemented include:</p> <ul style="list-style-type: none"> <li>a) Minimisation of the exposed and unmanaged soils within the disturbed footprint by phasing the works;</li> <li>b) Use of perimeter banks/diversions channels around disturbed/ cleared area to limit the amount of water flowing over disturbed soils. Separation of the various areas into clean and dirty water is a core consideration in surface water management. These diversion channels should be protected against erosion through a combination of engineering designs and use of concrete, rock armouring, lining and mulched vegetation as required;</li> <li>c) Soil erosion caused by wind and rainstorms will be reduced by adding surface protection measures, such as mulched vegetation, wherever possible. This is in addition to the requirement to minimise land clearing to the Project footprint, and conducting clearing progressively;</li> <li>d) Other features such as silt fences and check dams should be used wherever possible to capture as much of the sediment within surface water flows as possible. These should be placed upstream of formal storm-water management structures such as ponds;</li> <li>e) Storm-water management structures, such as storm-water ponds, will be designed to collect silt-laden surface runoff and allow the removal of silt by natural settlement, which in turn should reduce sediment loading prior to discharge into the receiving environment. These ponds should be formally designed to achieve the quality targets as defined within Annex B; and</li> <li>f) Drainage systems, erosion control measures and storm-water ponds will be regularly inspected and maintained to ensure prior and efficient operations, particularly following rainstorms. Deposited silt and grit will be removed regularly.</li> </ul>		Soil and Groundwater Management Plan (ref: LSP:1S01-0012)



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## **4 MONITORING**

### **4.1 LSP HSSE TEAM**

A surface water (terrestrial) monitoring plan has been developed to track the effectiveness of the mitigation measures during construction. Details of LSP's environmental monitoring plan are provided in Chapter 7 of LSP's Construction Health, Safety and Environment Management Plan (ref: LSP-1S01-005).


LSP may request additional monitoring if the monitoring programme records exceeds the surface water standards.

### **4.2 CONTRACTORS TEAM**

In order to assess the effectiveness of the mitigation / management measures and identify the need for further action, the contractors surface water (terrestrial) monitoring programme outlined in Table 4.1 will be followed.

Should the monitoring programme note any non-compliances with the MP, corrective action will be taken to ensure the relevant activity returns to compliance in a timely manner and that any corrective action is appropriate and effective. Any corrective actions undertaken must be recorded on the daily report against the relevant activity.


*Note to contractor: Delete rows that are not applicable or outside of your control and, in the second column, only include the reference to relevant mitigation/management measures. Insert the name of the responsible party from Table 2-1 for each of the separate monitoring requirements.*

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**Table 4.1 Monitoring Programme**

Aspect, Potential Impact / Issue	Reference of Relevant Mitigation Measure *	Sampling Location	Sampling Parameters	Sampling Frequency	Applicable Standards	Responsibility	Reporting
Impacts from Run-off Water to Surface Water Quality during Land Development.	1.1	Onsite – any discharge point	Visual inspection	Visual inspection twice daily if discharge occurs	N/A		Daily Report
	1.2		Total Suspended Solids (TSS), Oil and grease	After any rain of >10 mm	Refer to Standards in Annex B		Laboratory Report
Impacts from Run-Off Water to Surface Water Quality during Construction Phase							

\* See Table 3-1 for mitigation measure.

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## 5 AUDITING AND REPORTING

An Auditing and Reporting Programme is required to ensure that the mitigation/management measures are appropriate in controlling the identified surface water (terrestrial) impacts.

### 5.1 LSP HSSE TEAM

To ensure compliance with the requirements of this Surface Water MP (Terrestrial), internal inspections and audits will be undertaken by LSP. The LSP auditing and reporting programme is shown in Chapter 9 of the LSP Construction Health, Safety and Environment Management Plan (ref: LSP-1S01-005).


### 5.2 CONTRACTORS TEAM

The programme will comprise of the following:

- Internal Audit and Reporting Programme to be undertaken by the contractor's EHS Officer; and
- External Audit and Reporting Programme, to be conducted by the LSP's representative.

The scope of the internal auditing and reporting programme to be undertaken by the contractor is shown in *Table 5.1*.


*Note to contractor: In the second column, only include the reference to relevant mitigation/management measures. Ensure the job title for the responsible party is correct for your organisation.*

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**Table 5.1 Auditing and Reporting Programme**

Inspection / Auditing Interval	Reference of Relevant Mitigation Measure*	Responsibility	Scope of Inspection / Audit	Report Submission / Record Keeping
Daily Inspection (Internal) when discharge is occurring	1.1, 1.2	Contractor's Onsite EHS Officer	Review the submitted daily monitoring reports to assess the compliance status of relevant operations that may give rise to surface water (terrestrial) impacts and provide support to identifying appropriate corrective actions and ensuring they are: introduced in a timely manner; appropriate; and effective	Archive Daily Monitoring Report in an orderly manner for external auditing  All reports are to be maintained at the project site for as long as the Contractor is working at the site
Weekly Review of Daily Inspection Reports (Internal)	1.1, 1.2	Contractor's General Manager	A week report is to be provided to the Contractor's Onsite General Manager, which is to include: the compliance status of relevant operations that may give rise to surface water (terrestrial) impacts; identifying any non-compliances that have arisen over the previous weeks monitoring programme; detailing the corrective actions that have been taken when a failure has been noted; and noting the appropriateness and effectiveness of any corrective actions	Archive Weekly Report in an orderly manner for external auditing  All reports are to be maintained at the project site for as long as the Contractor is working at the site
Biannual Inspection (External)	1.1, 1.2	LSP's Representative	LSP's Representative will review the Contractor's onsite activities to assess compliance with the management plan and review all records of the Contractor's internal audit programme to review historic compliance and the use of appropriate corrective actions	A copy of the External Audit Report is to be provided to the contractor for reference and, where necessary, implementation of any identified corrective actions  All reports are to be maintained at the project site for as long as the Contractor is working at the site


\* See Table 3-1 for mitigation measure.

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***ANNEX A - CONSTRUCTION SCHEDULE FOR THE SOURCES OF SURFACE WATER  
(TERRESTRIAL) IMPACTS***

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*[Note to contractor: Contractor to insert Gantt chart of construction schedule in Microsoft Project Office format in Annex A]*

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## ***ANNEX B - APPLICABLE SURFACE WATER QUALITY STANDARDS***

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**QCVN 08-MT:2015/BTNMT: National technical regulations on surface water quality**

Parameter and Substance	Unit	Maximum Allowable Concentration			
		A		B	
		A1	A2	B1	B2
pH		6-8.5	6-8.5	5.5-9	5.5-9
Dissolved Oxygen (DO)	mg/l	≥ 6	≥ 5	≥ 4	≥ 2
Total Suspended Solids (TSS)	mg/l	20	30	50	100
COD	mg/l	10	15	30	50
BOD <sub>5</sub> (20°C)	mg/l	4	6	15	25
Ammonia (NH <sub>4</sub> <sup>+</sup> ) (as N)	mg/l	0.1	0.2	0.5	1
Chloride (Cl <sup>-</sup> )	mg/l	250	400	600	-
Fluoride (F <sup>-</sup> )	mg/l	1	1.5	1.5	2
Nitrite (NO <sub>2</sub> <sup>-</sup> ) (as N)	mg/l	0.01	0.02	0.04	0.05
Nitrate (NO <sub>3</sub> <sup>-</sup> ) (as N)	mg/l	2	5	10	15
Phosphate (PO <sub>4</sub> <sup>3-</sup> ) (as P)	mg/l	0.1	0.2	0.3	0.5
Cyanide (CN <sup>-</sup> )	mg/l	0.005	0.01	0.02	0.02
Arsenic (As)	mg/l	0.01	0.02	0.05	0.1
Cadmium (Cd)	mg/l	0.005	0.005	0.01	0.01
Lead (Pb)	mg/l	0.02	0.02	0.05	0.05
Chromium. Trivalent (Cr <sup>3+</sup> )	mg/l	0.05	0.1	0.5	1
Chromium. Hexavalent (Cr <sup>6+</sup> )	mg/l	0.01	0.02	0.04	0.05
Copper (Cu)	mg/l	0.1	0.2	0.5	1
Zinc (Zn)	mg/l	0.5	1.0	1.5	2
Nickel (Ni)	mg/l	0.1	0.1	0.1	0.1
Iron (Fe)	mg/l	0.5	1	1.5	2
Mercury (Hg)	mg/l	0.001	0.001	0.001	0.002
Surface Active Agent	mg/l	0.1	0.2	0.4	0.5
Oils and Grease	mg/l	0.01	0.02	0.1	0.3
Phenol Compounds	mg/l	0.005	0.005	0.01	0.02
<i>Organic Chlorinated Pesticides:</i>					
Aldrin + Dieldrin	µg/l	0.002	0.004	0.008	0.01
Endrin	µg/l	0.01	0.012	0.014	0.02
BHC	µg/l	0.05	0.1	0.13	0.015
DDT	µg/l	0.001	0.002	0.004	0.005
Endosulfan (Thiodan)	µg/l	0.005	0.01	0.01	0.02
Lindan	µg/l	0.3	0.35	0.38	0.4
Chlordane	µg/l	0.01	0.02	0.02	0.03
Heptachlor	µg/l	0.01	0.02	0.02	0.05
<i>Organic Phosphorous Pesticides:</i>					
Parathion	µg/l	0.1	0.2	0.4	0.5
Malathion	µg/l	0.1	0.32	0.32	0.4
<i>Pesticides:</i>					
2,4D	µg/l	100	200	450	500
2,4,5T	µg/l	80	100	160	200
Paraquat	µg/l	900	1,200	1,800	2,000
Gross alpha activity	Bq/l	0.1	0.1	0.1	0.1
Gross beta activity	Bq/l	1.0	1.0	1.0	1.0
<i>E. coli</i>	MPN/ 100ml	20	50	100	200
Coliform	MPN/ 100ml	2,500	5,000	7,500	10,000

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Parameter and Substance	Unit	Maximum Allowable Concentration			
		A		B	
		A1	A2	B1	B2
Note:					
<b>A1</b> is suitable for domestic water supply and other purpose such as A2, B1 and B2;					
<b>A2</b> is used for domestic water supply with the suitable treatment technology; preserve the aquatic flora and fauna or other purpose such as B1 and B2;					
<b>B1</b> is used for the irrigation or other purpose which required the same water quality or the purpose such as B2; and					
<b>B2</b> is used for transportation and other purpose which required low water quality.					

**QCVN 38:2011/BTNMT National Technical Regulation on Surface Water Quality for Protection of Aquatic Life:**


Parameter and Substance	Unit	Maximum Allowable Concentration
pH		6.5 – 8.5
Dissolved Oxygen (DO)	mg/l	≥ 4
Total Suspended Solids (TSS)	mg/l	100
Total Dissolved Solids (TDS)	mg/l	1,000
Ammonia (NH <sub>4</sub> <sup>+</sup> ) (as N)	mg/l	1
Nitrite (NO <sub>2</sub> <sup>-</sup> ) (as N)	mg/l	0.02
Nitrate (NO <sub>3</sub> <sup>-</sup> ) (as N)	mg/l	5
Cyanide (CN <sup>-</sup> )	mg/l	0.01
Arsenic (As)	mg/l	0.02
Cadmium (Cd)	mg/l	0.005
Lead (Pb)	mg/l	0.02
Chromium. Hexavalent (Cr <sup>6+</sup> )	mg/l	0.02
Copper (Cu)	mg/l	0.2
Mercury (Hg)	mg/l	0.001
<i>Organic Chlorinated Pesticides:</i>		
Aldrin	µg/l	3.0
Chlordane	µg/l	2.4
DDT	µg/l	1.1
Dieldrin	µg/l	0.24
Endrin	µg/l	0.09
Heptachlor	µg/l	0.52
Toxaphene	µg/l	0.73
<i>Pesticides:</i>		
2,4 D	mg/l	0.2
2,4,5 T	mg/l	0.1
Paraquat	mg/l	1.2
Mineral Oil and Fat	mg/l	0.05
Phenol (total)	mg/l	0.005
Surface Active Agent	mg/l	0.2

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***ANNEX C - EMPLOYEE CONTACT DETAILS ASSOCIATED WITH MANAGEMENT PLAN***

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Role	Responsibilities	Contact Details*
General Manager (Contractor)		<ul style="list-style-type: none"> <li>Mobile Number:</li> <li>Email:</li> </ul>
Senior Site Engineer (Contractor)		<ul style="list-style-type: none"> <li>Mobile Number:</li> <li>Email:</li> </ul>
Site Supervisor / Foreman (Contractor)		<ul style="list-style-type: none"> <li>Mobile Number:</li> <li>Email:</li> </ul>
Site EHS Officer (Contractor)		<ul style="list-style-type: none"> <li>Mobile Number:</li> <li>Email:</li> </ul>
Emergency Response Co-ordinator (Contractor)		<ul style="list-style-type: none"> <li>Mobile Number:</li> <li>Email:</li> </ul>
[Other]		
[Other]		

\*Any change in respect to employees, the contact details will need to amended as soon as the role has been reassigned.

[Note to Contractor: Insert a description of the responsibilities of each role, with regards to the management of EHS and surface water (terrestrial). Delete roles that are not appropriate. Include additional roles where required.]