

**Agreement No. DP 04/2012**  
**Post-Construction Ecological Monitoring**  
**of Drainage Improvement Works in Southern Lantau**  
**Implemented under 4128CD in Contract DC/2006/11**

**Monthly EM&A Report – November 2015**

December 2015

	Name	Signature
Prepared & Checked:	Chiu Ming Ho (Ecologist)	
Reviewed & Approved:	Sharne McMillan (Environmental Team Leader)	
Version: 2	Date:	16 December 2015

<p>AECOM Asia Co. Ltd.          1501-1510, 15/F, Grand Central Plaza, Tower 1, 138 Shatin Rural Committee Road, Shatin, NT,          Hong Kong          Tel: (852) 3922 9000 Fax: (852) 3922 9797 www.aecom.com</p>
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**Pursuant to Condition 4.4 of Environmental Permit No. EP-237/2005/B (amended by EP-237/2005/C), this monthly EM&A Report for post-construction ecological monitoring and ecological water monitoring during November 2015 has been certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC)**

Certified by:

Signature: 

Ms. Sharne McMillan

Environmental Team Leader (ETL)

AECOM Asia Co. Ltd

Date: 17/12/2015

Verified by:

Signature: 

Mr. Roger Leung

Independent Environmental Checker (IEC)

Ramboll Environ Hong Kong Limited

Date: 17-12-2015

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## **EXECUTIVE SUMMARY**

This is the Monthly EM&A report for post-construction ecological monitoring for “Drainage Improvement in Southern Lantau” conducted by AECOM.

No ecological monitoring and ecological water quality monitoring were performed in November 2015 in accordance with the EP requirement and the current EM&A programme. The next ecological monitoring and ecological water quality monitoring activities are tentatively scheduled for mid-December and early December 2015, respectively.

The ET will continue to implement the environmental monitoring & audit programme in accordance with the EM&A Manual and Environmental Permit requirement. The report is available for public inspection and will be uploaded to the dedicated project website (<http://www.envproject.com/sldiwema.htm>).

## **1. INTRODUCTION**

### **1.1. Background**

- 1.1.1. The Drainage Services Department (DSD) has implemented Contract No. DC/2006/11 "Drainage Improvement in Southern Lantau and Construction of Mui Wo Village Sewerage Phase 1". The monitoring requirements of the drainage improvement works are subject to the conditions specified in Environmental Permit (EP) No. EP-237/2005/B issued by the Environmental Protection Department (25 January 2006). In response to the latest approval to Variation of an Environmental Permit (VEP) application (VEP-465/2015) regarding Drainage Improvement in Southern Lantau (17 February 2015), the former EP-237/2005/B has been amended by EP-237/2005/C; however, this has not changed the original monitoring requirements. In compliance with the EP, an Environmental Monitoring and Audit (EM&A) programme was established during the construction and post-construction phases of the project. The operation of the project is subject to the conditions in EP No. EP-434/2012. In response to the latest approval to VEP application (VEP-464/2015), the former EP-434/2012 has been amended by EP-434/2012/A.
- 1.1.2. The Post-Construction Ecological Monitoring of Drainage Improvement Works in Southern Lantau under Agreement No. DP 04/2012, commenced in January 2012. AECOM Asia Co. Ltd. was appointed by DSD as the Environmental Team to conduct the above captioned monitoring project from October 2012 onwards.

### **1.2. Project Description**

- 1.2.1. Under Contract No. DC/2006/11, the improvement works were undertaken at Pak Ngan Heung River (PNH), Luk Tei Tong River (LTT) and Tai Tei Tong River (TTT) in Southern Lantau, west of Mui Wo. The works for which the post-construction ecological monitoring required by EP No. EP-237/2005/B (amended by EP-237/2005/C) covered:
- the drainage channel and a three-cell box culvert at PNH;
  - the drainage channel at LTT;
  - the bypass channel at LTT.
- 1.2.2. No ecological monitoring and ecological water monitoring was required following the drainage improvement works at TTT and village sewerage works in Mui Wo.
- 1.2.3. Both PNH and LTT are part of the Mui Wo River (also named as Silver River) in Lantau Island. These two tributaries of Mui Wo River, together with Tai Tei Tong River, then join and connect to Silver Mine Bay next to Mui Wo.

### **1.3. Report Objectives**

- 1.3.1. A bi-monthly programme of ecological monitoring is being undertaken; however, the submission of a monthly monitoring report is required to comply with EP No. EP-237/2005/B (amended by EP-237/2005/C). This report documents the 'alternative' month of November 2015 when no monitoring was undertaken in accordance with the EP requirement and the current EM&A programme and provides the tentative date for the next month's survey.

## **2. ECOLOGICAL MONITORING SCHEDULE**

- 2.1. The next ecological monitoring and ecological water quality monitoring are tentatively scheduled for mid-December and early December 2015, respectively.