



**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 – September 2016

October 2016

	Name	Signature
Prepared & Checked:	Chiu Ming Ho (Ecologist)	
Reviewed & Approved:	Gigi Lam (Environmental Team Leader)	
Version: 2	Date:	17 October 2016

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

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 September 2016 has been certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC)

Certified by:

Signature:  _____

Ms. Gigi Lam
Environmental Team Leader (ETL)
AECOM Asia Co. Ltd

Date: 16-10-2016

Verified by:

Signature:  _____

Mr. Roger Leung
Independent Environmental Checker (IEC)
Ramboll Environ Hong Kong Limited

Date: 20-10-2016

Table of Contents

	Page
EXECUTIVE SUMMARY	1
1. INTRODUCTION.....	2
1.1. Background	2
1.2. Project Description	2
1.3. Report Objectives.....	2
2. ECOLOGICAL MONITORING SCHEDULE.....	2

EXECUTIVE SUMMARY

This is the Final 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 September 2016 in accordance with the EP requirement and the current EM&A programme. The required four-year ecological monitoring and auditing exercise had been completed, from October 2012 to September 2016.

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 September 2016 when no monitoring was undertaken in accordance with the EP requirement and the current EM&A programme.

2. ECOLOGICAL MONITORING SCHEDULE

The required four-year ecological monitoring exercise had been completed, from October 2012 to September 2016.