August 2021
Our Ref: KEC-(EV).M/21

Prepared for:

Lebihasil Sdn. Bhd.
Lot 157, SEDCO Light Industrial Estate,
Mile 3, North Road, W.D.T. 108, 90009 Sandakan, Sabah.
Tel: 089 - 200 318

ENVIRONMENTAL COMPLIANCE REPORT

Project:
Tangkulap-Pinangah Forest Development Project Forest Management Unit 17 Part A

2nd REPORT OF YEAR 2021 (Y2/2021)

April	August	December
	✓	

AEC Reference No. : **JPAS/PP/24/600-1/01/3/15 & JPAS/PP/24/600-1/01/3/15 KLT.2 (22)**
AEC Signing Date : **19th December 2006**
Period Covered : **May 2021 - August 2021**
Date of Inspection : **3rd August 2021**

Prepared by:

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Report No. 003

Environmental Compliance Report

Y2/2021 (May 2021 - August 2021)

Project Title	:	**Tangkulap-Pinangah Forest Development Project Forest Management Unit 17 Part A (Area A)**
Project Operator	:	**Lebihasil Sdn. Bhd.**
Environmental Consultant	:	**Kiwiheng Environmental Consultants Sdn. Bhd.**
Field Inspectors	:	**i. Mr. Choi Lee Ming** **ii. Mr. Cassey Christ Chalis @ Charles**
Date of Inspection	:	**3rd August 2021**

KIWIHENG ENVIRONMENTAL CONSULTANTS SDN. BHD. (Co. No. 52783-W)

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Liew Kiam Leong, Michael
Principal
Kiwiheng Environmental Consultants Sdn. Bhd.

Each Environmental Compliance Report is numbered and distributed as follow:

REPORT NO.	REPORT HOLDER	DATE OF ISSUE
001 (e-filing)	EPD, Sandakan / Kota Kinabalu	30 AUG 2021
002	Sabah Forestry Department	30 AUG 2021
003	Client	30 AUG 2021
004	Environmental Consultant	30 AUG 2021

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1 Project Information

1.1 Introduction and Appointment

Kiwiheng Environmental Consultants Sdn. Bhd. (**Environmental Consultant**) was appointed by Lebihasil Sdn. Bhd. (**Project Operator**) on 25th February 2012 to conduct four-monthly environmental monitoring of the forest development project known as "**Tangkulap-Pinangah Forest Development Project Forest Management Unit 17 Part A**" and following thereto, prepare an Environmental Compliance Report (**ECR**) for submission to Environment Protection Department (**EPD**).

A supplementary EIA to cover logging activities for the Project had been submitted to EPD in October 2016 and approved on 12th September 2017. Additional environmental conditions were imposed by EPD via letter 12th September 2017 [JPAS/PP/24/600-1/01/3/15 KLT.2 (22)] for such activities and these have been incorporated into Chapter 3 of this report for compliance audit.

This ECR serves as 2nd four-monthly reporting for Year 2021 (Y2/2021) covering the period from May 2021 to August 2021.

1.2 Objective

The purpose of this ECR is to report results of environmental impact monitoring of the Project and implementation of recommended mitigation measures as identified in the Environmental Impact Assessment (**EIA**) Report prepared by Forestry Department Sandakan, Sabah which was approved by the EPD and also, report on the compliance and non-compliance, if any, of the Environmental Conditions known as "*Syarat - Syarat Alam Sekitar*" as imposed by EPD in the Agreement of Environmental Conditions (**AEC**) or known as "*Surat Akujanji*" dated 19th December 2006 and 12th September 2017.

This ECR has been compiled by the Environmental Consultant for Lebihasil Sdn. Bhd. based on review and analysis of information provided by Project Operator, information received during interviews with its authorized representatives and observations made during the site inspection conducted on 3rd August 2021 for the purpose described. No responsibility is accepted for its use in any other context or for any other purpose.

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1.3 Project Operator

LEBIHASIL SDN. BHD.
Lot 157, SEDCO Light Industrial Estate
Mile 3, North Road
W.D.T. 108
90009 Sandakan, Sabah

Contact Person	:	Mr. Liew Pin Cheong
Designation	:	Managing Director
Contact No.	:	089 - 213 433
Fax no.	:	089 - 213 133

Or:-

Contact Person	:	Ms. Marlina Anthonius
Designation	:	Environmental Officer (EO)

1.3.1 Officer-in-Charge attending the Environmental Consultant

(i)	Name	:	Mr. Jumik Tampalang
	Designation	:	Plantation Worker

1.4 Environmental Consultant

Kiwiheng Environmental Consultants Sdn. Bhd. (Co. No. 52783-W)
2nd Floor, No 7 Lorong Margosa Dua
Luyang Phase 8, Jalan Kolam
88300 Kota Kinabalu, Sabah

EPD Registration No.	:	F007
Contact Person	:	Mr. Liew Kiam Leong, Michael
Designation	:	Principal
Contact No.	:	088 - 267 198/ 265 198/ 269 198
Fax	:	088 - 287 198
Email	:	kiwihengenvc@gmail.com / kiwiheng.mliew@gmail.com

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1.4.1 Field Inspectors

(i)	Name	:	Mr. Choi Lee Ming
	Designation	:	Operation Manager
(ii)	Name	:	Mr. Cassey Christ Chalis @ Charles
	Designation	:	Environmental Technician

1.5 Project Description

1.5.1 Project Location and Access

The Project measuring approximately 1,172 Hectares is located at the centre and in the interior part of Sabah, within Sg. Pinangah Forest Reserve – Class II in the district of Tongod, Sandakan. Located approximately 150 km southeast of the state capital, Kota Kinabalu and 50 km south of the township of Telupid, the project site is accessible via the main Telupid-Sandakan Highway.

In order to access the Project, one travels south-east along the logging road from Telupid and pass through the Lebihasil Sdn. Bhd. nursery ground and Tamoi junction. Travelling further in a south-western direction and passing through another junction, one will reach Maxland Sdn. Bhd. area. After Maxland, a last junction will be reached after travelling south-east. After some distance we will reach the Project.

The EIA Report was prepared by the Forestry Department, Sandakan, Sabah and the Project is within the FMU17 Part A which consists of an area of 58,550 Ha under the district of Tongod. The geographical position of FMU17 is between longitude 116° 00' 22.81" E and 117° 21'30.98" E and latitude 5° 13" 31.92" N and 5° 35' 42.21" N.

1.5.2 Project Status

As advised during the site inspection conducted on 3rd August 2021, no logging and replanting activities were carried out in the concession area. The concession area is currently under tending and maintenance stage at ITP Area.

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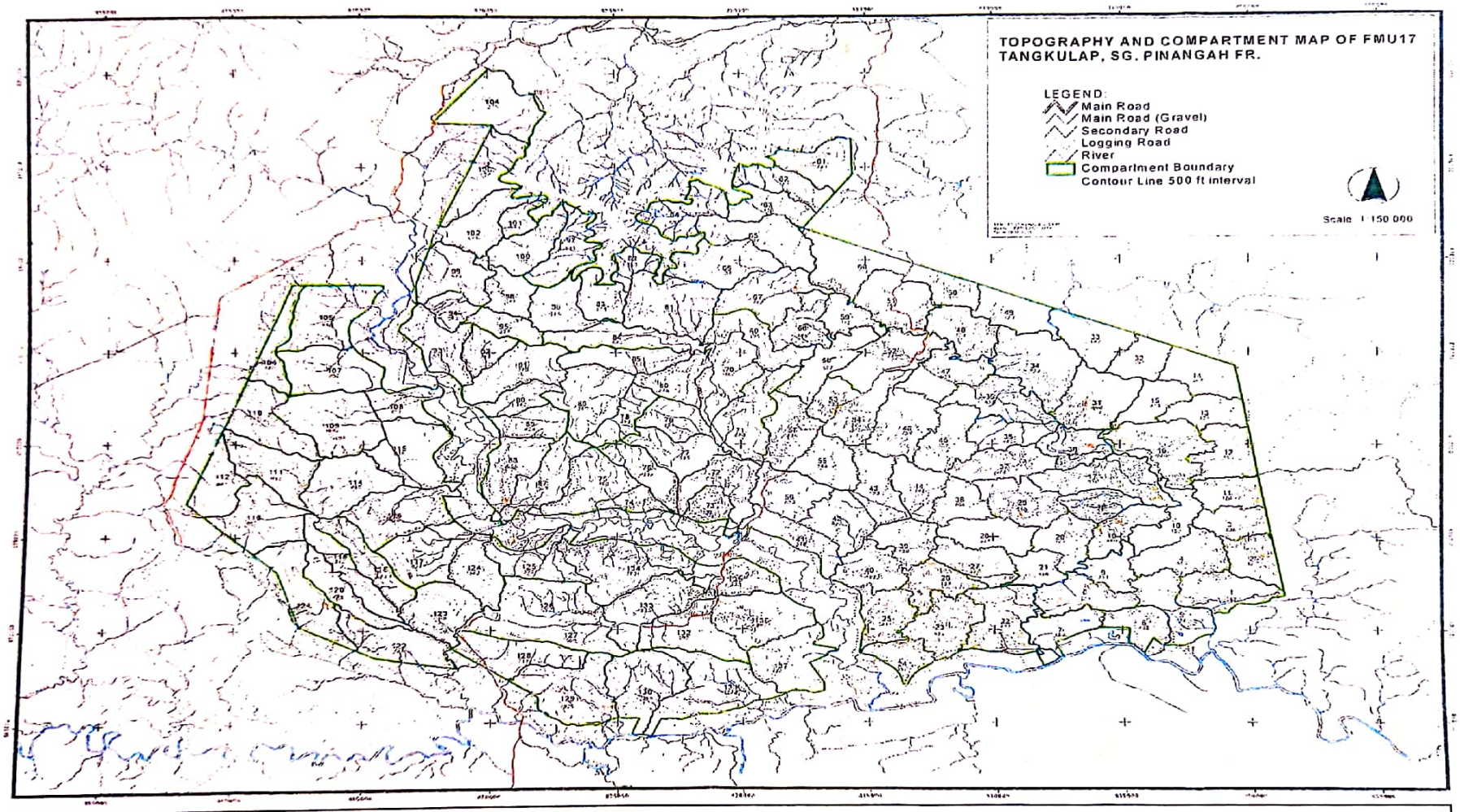

Figure 1.1: Topography and Compartment Map of FMU17, showing the location of compartments 55 and 56

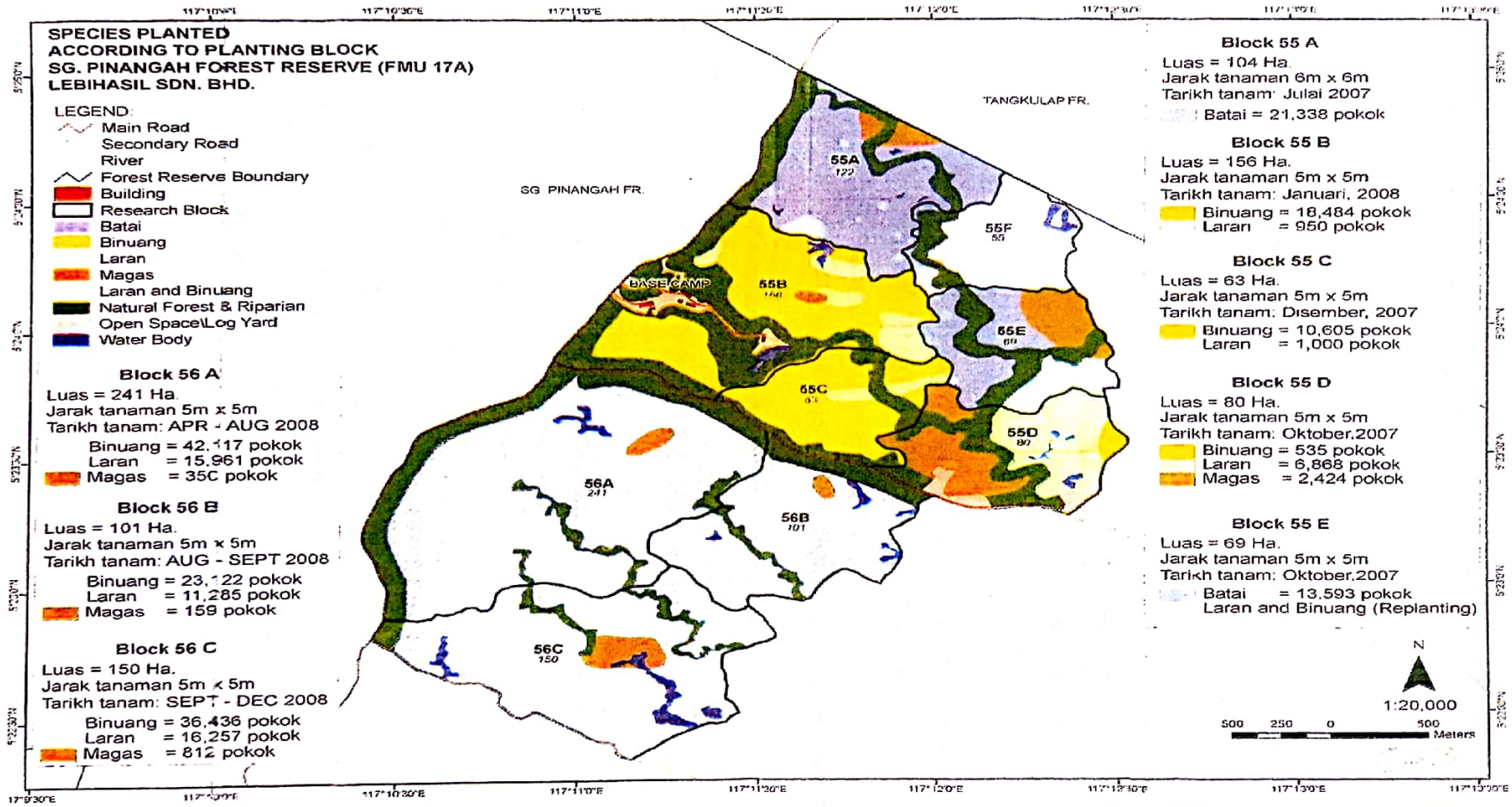

Figure 1.2: Development Plan

2 Compliance and Impact Monitoring

2.1 Monitoring Period

Monitoring activities and date of the site inspection are provided in the following **Table 2.1**.

Table 2.1 : Monitoring Activity and Date

Activity	Date
Compliance Monitoring (Field Inspection)	3rd August 2021
Impact Monitoring (Water Sampling)	

During the site inspection conducted on 3rd August 2021, personnel of the Environmental Consultant were accompanied by the Plantation Worker, Mr. Jumik Tampalang.

2.2 Meteorological Condition

Table 2.2 : Meteorological Condition

Meteorological Condition	2nd August 2021 (A Day before Monitoring)	3rd August 2021 (On the Days of Monitoring)
Weather	Sunny	Sunny
Wind	Calm	Calm

2.3 Methodology

2.3.1 Compliance Monitoring

During the site inspection conducted on 3rd August 2021, compliance with the Environmental Conditions as stated in AEC was monitored. Photographic records with date were produced to provide evidence of compliance and non-compliance with the AEC. Observations include provision of riverine protection, control of soil erosion and sedimentation, control of construction of roads, workers' living quarters and workshop, rehabilitation of the area, management of scheduled and hazardous wastes as well as solid, sewage and liquid wastes, and open burning.

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In this ECR, the Environmental Conditions as in AEC have been adopted and used as a guide for reporting of the environmental compliance audit for the Project (*Please see* ***Chapter 3***).

Basic understanding of compliance with the Environmental Conditions as in AEC, Chapter 3 of this ECR, as well as the non-compliance therewith had been discussed with Ms. Marlina Anthonius, Environmental Officer (**EO**) for the Project.

2.3.2 Impact Monitoring

Impact monitoring involves observing, measuring and reporting on the surrounding environment in order to detect impacts, or unnatural changes to the environment and to monitor the effectiveness of the mitigation measures that are being implemented.

2.3.2.1 Water Quality Monitoring

Environmental impact of the project activities on water quality was monitored on 3rd August 2021. One (1) water sample each was collected from three (3) different locations using Grab Sampling Technique for laboratory analysis.

Grab Sampling Technique involves taking a relatively small sample over a very short period of time where all of the test material is collected at one (1) time and can only represent the conditions at a particular time.

Water sampling stations marked as W1 to W3 are presented in **Table 2.3** and shown in ***Figure 2.1 – Mitigation And Monitoring Map.***

Table 2.3: Water Quality Monitoring Stations

Stations	Geographical Coordinates	Description	Date/Time
W1	N 05° 19' 21.32" E 117° 10' 19.61"	Sg. Timbangah (Upstream)	3/08/2021 0951hrs
W2	N 05° 23' 36.67" E 117° 12' 14.78"	Sg. Timbangah (Midstream)	3/08/2021 1035hrs
W3	N 05° 23' 53.60" E 117° 12' 36.74"	Sg. Timbangah (Downstream)	3/08/2021 1019hrs

Results of the laboratory analysis are compared against Class IIB limits of the National Water Quality Standards for Malaysia (***NWQSM***).

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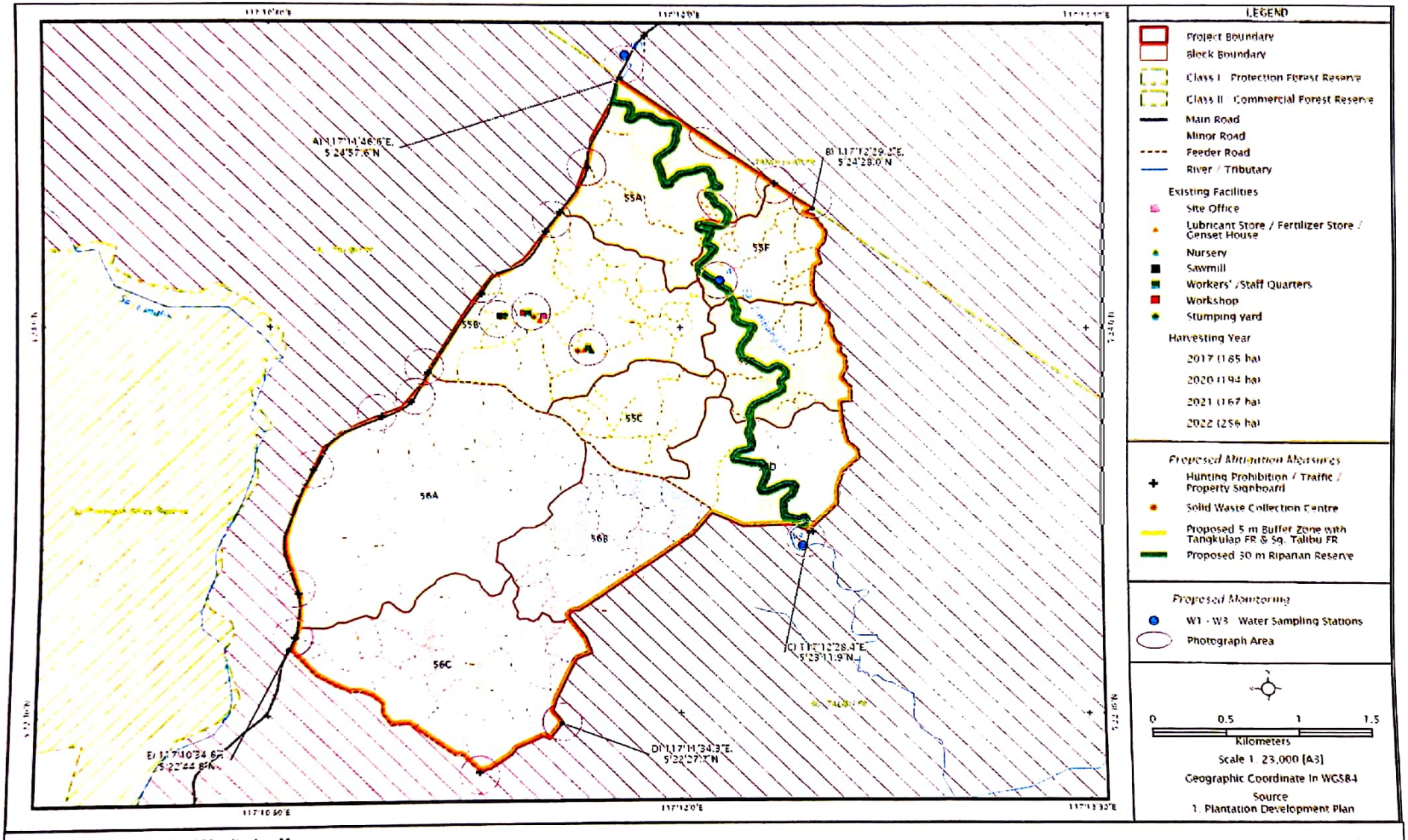

Figure 2.1 : Mitigation And Monitoring Map
Project: Supplementary Environmental Impact Assessment For Tangkulap – Pinangah Forest Development Project Forest Management Unit 17 Part A in Compartment 55 and 56 By Lebihasil Sdn. Bhd.

2.4 Monitoring Results

2.4.1 Water Quality Analysis Results

Results of laboratory analysis for the three (3) water samples collected from Sampling Station No. W1, W2 and W3 are presented in the following **Table 2.4**.

Table 2.4: Water Analysis Result

Parameter	Unit	W1	W2	W3	Class IIB Limits of NWQSM
pH	-	7.99 at 26.3°C	7.50 at 25.5°C	7.34 at 24.8°C	6 - 9
Total Suspended Solids (TSS)	mg/L	6	10	6	50
Ammoniacal Nitrogen	mg/L	ND (<0.01)	ND (<0.01)	ND (<0.01)	0.3
Oil & Grease	mg/L	1	2	1	N
Turbidity	NTU	2.00	35.0	41.6	50

Note:

ND = Not Detected,
N = Free from visible film sheen, discolouration and deposits

Based on the above laboratory analysis results, all the parameters tested were within Class IIB limits of *NWQSM* except for a very low level (without visible film sheen, discolouration and sighting of deposits) of Oil and Grease at all sampling stations. The detailed result is attached in ***Appendix 5.1 - Certificate of Analysis***.

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3 Status of Compliance, Comments and Recommendations

Project Title	Tangkulap-Pinangah Forest Development Project Forest Management Unit 17 Part A
Project Operator	Lebihasil Sdn. Bhd.
File of Reference	JPAS/PP/24/600-1/01/3/15&JPAS/PP/24/600-1/01/3/15 KLT.2 (22)
Date of AEC	19th December 2006 & 12th September 2017
Report Prepared By	Kiwiheng Environmental Consultants Sdn. Bhd.
Report Covers Within	May 2021 - August 2021
Date of Inspection	3rd August 2021

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
1.0	**Aktiviti Pembalakan Compartment 55 Dan 56 (Area A)**				
1.1	**Kawalan Kawasan Pembalakan**				
i.	Sempadan kawasan projek sebagaimana yang ditunjukkan pada "Figure 5.3" dalam syarat alam sekitar tambahan ini hendaklah ditanda dengan jelas di lapangan dan dipasang dengan papan tanda di lokasi strategi dan mudah dilihat sebelum aktiviti pembalakan dimulakan.	Complied	Such boundary demarcations were sighted during the site inspection conducted on 3rd August 2021.	**1.1 [a] & [b]**	
ii.	"Buffer zone" dengan kelebaran **5 meter** hendaklah disediakan di kawasan tapak projek yang bersempadan dengan Hutan Simpan Sg. Talibau dan Hutan Simpan Tangkulap. Papan tanda hendaklah dipasang di lokasi strategi dan mudah dilihat sebelum aktiviti pembalakan dimulakan.	Complied	Such demarcations were sighted during the site inspection conducted on 3rd August 2021.	**1.1 [c] to [e]**	

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
iii.	Simpanan sungai selebar **30 meter** bagi Sg. Timbangah dan semua sungai yang terdapat dalam kawasan tapak projek sebagaimana yang ditandakan dalam "Figure 5.3", hendaklah disediakan dan ditandakan dengan jelas di lapangan sebelum aktiviti pembalakan dimulakan.	Complied	Such demarcations at these active areas were still in place, as observed during the site inspection conducted on 3rd August 2021. This practice is an ongoing exercise which will be carried out before the activities reach such area of concern.	**5.2 [a] to [c]**	
1.2	**Kawalan Hakisan Tanah Dan Pemendapan Kelodak**				
i.	Aktiviti pembalakan hendaklah dilaksanakan secara berperingkat-peringkat dan teratur sebagaimana yang dinyatakan pada perkara 5.2.1.1 dan "Figure 5.3" dalam maklumat tambahan rujukan KWEC – (EV)/16(L)/1090 bertarikh 31 October 2016.	Complied	Logging activities in the concession area was being carried out in phases, as observed during the site inspection conducted on 3rd August 2021.	**1.2 [a]**	
ii.	Semua langkah kawalan hakisan tanah dan pemendakan kelodak sebagaimana yang dalam perkara "5.1" dalam maklumat tambahan rujukan KWEC – (EV)/16(L)/1090 bertarikh 31 October 2016 dan perkara 5.1 dalam Perjanjian Syarat-syarat Alam Sekitar rujukan JPAS/PF/24/600-1/01/3/15(34) bertarikh 19 Disember 2006 hendaklah dilaksanakan.	Complied	Such mitigation and control measures were being implemented by the Project Operator, as observed during the site inspection conducted on 3rd August 2021.	**1.2 [b]**	
1.3.5	Laporan pemantauan kualiti air juga hendaklah dikemukakan ke JPAS bersama dengan Laporan Pematuhan tersebut.	Complied	Water quality analysis report is attached as **Appendix 5.1**.	**1.3.5 [a] to [c]**	

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
5.1	**Hakisan Tanah Dan Pemendapan Kelodak**				
5.1.1	***Pembinaan Jalan***				
i.	Pembinaan jalan hendaklah dikawal dengan meminimakan aktiviti kerja tanah.	Complied	The previous logging roads are being re-used, where applicable, to ensure minimum involvement of earthworks.		
ii.	Sistem perparitan hendaklah disediakan bagi mengalirkan air keluar dari struktur jalan dan dilencongkan ke kawasan yang mempunyai tumbuhan.	Complied	Roadside drains were still in place and diverted into vegetated areas, as observed during the site inspection conducted on 3rd August 2021.	**5.1.1 [a]**	
iii.	Pelupusan atau pembuangan bahan tanah lebihan ke dalam sungai atau alur air adalah **tidak dibenarkan.**	Complied	There were no signs of such disposals into any rivers or waterways during the site inspection conducted on 3rd August 2021.		
5.1.2	***Pembinaan Rumah Pekerja, Kem Pekerja Atau Bengkel***				
i.	Rumah pekerja, kem pekerja atau bengkel dan tapak semaian hendaklah dibina dengan meminimakan kerja-kerja tanah dan pembersihan kawasan.	Complied	The existing workers' living quarters, workshop and nursery were constructed with minimum earthwork and clearing activities.	**5.1.2 [a] to [c]**	
ii.	Sistem perparitan yang berkesan hendaklah disediakan bagi mengawal larian air permukaan dan air buangan dari kawasan rumah pekerja, kem pekerja atau bengkel hendaklah dilencongkan ke kawasan yang mempunyai tumbuhan dan **tidak dibenarkan** dialirkan terus ke dalam sungai atau alur air.	Complied	Such drainage systems were still in place and diverted into vegetated areas (no sign of any direct discharge into rivers or waterways), as observed during the site inspection conducted on 3rd August 2021.	**5.1.2 [a] to [c]**	

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
iii.	Kedudukan rumah pekerja atau kem pekerja hendaklah terletak pada jarak mendatar tidak kurang **30 meter** dari tebing sungai atau alur air.	Complied	Such structures were more than 30 meters, in horizontal distance, away from the nearest riverbank or waterway.	**5.1.2 [a]**	
iv.	Kedudukan bengkel hendaklah terletak pada jarak mendatar tidak kurang **50 meter** dari tebing sungai atau alur air.	Complied	Such structure was more than 50 meters, in horizontal distance, away from the nearest riverbank or waterway, as observed during the site inspection conducted on 3rd August 2021.	**5.1.2 [c]**	
v.	Semua rumah pekerja, kem pekerja atau bengkel sedia ada yang tidak mematuhi peraturan-peraturan yang dinyatakan dalam syarat-syarat alam sekitar ini, hendaklah dipindah dan dikawal sebagaimana yang ditetapkan.	Not Applicable	The locations of such workers' living quarters and workshop were in complied with the AEC.		
5.1.3	***Rehabilitasi Kawasan***				
i.	Semua kawasan tanah dan cerun yang terdedah hendaklah direhabilitasi dan distabilkan.	Complied	Such rehabilitations on exposed land (bared soils) and slopes were carried out progressively by the Project Operator.		
ii.	Kawasan "skid trail", panggung dan kawasan terdedah hendaklah direhabilitasi dengan menanam spesis tumbuhan yang diluluskan oleh Jabatan Perhutanan.	Complied	Such areas were being rehabilitated with approved tree species by the Forestry Department, as observed during the site inspection conducted on 3rd August 2021.		

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
5.2	**Perlindungan Sungai**				
i.	Simpanan sungai seperti berikut hendaklah dilindungi, disukat, dan ditanda di lapangan : ➢ Semua sungai lain yang mempunyai kelebaran 3 meter atau lebih; Sekurang-kurangnya selebar **30 meter** pada jarak mendatar dari tebing sungai. ➢ Semua sungai lain yang mempunyai kelebaran kurang daripada 3 meter; Sekurang-kurangnya selebar **10 meter** pada jarak mendatar dari tebing sungai.	Complied	Such 30-meter wide riparian reserve for Sg. Timbangah has been established and still being protected. Any rivers below 3-meter wide would have 10-meter wide riparian reserve, as observed during the site inspection conducted on 3rd August 2021.	**5.2 [a] to [c]**	
ii.	Sempadan simpanan sungai hendaklah disukat sebelum aktiviti penghutanan semula dimulakan di kawasan projek berkenaan dan hendaklah mencapai ketepatan pengukuran standard kelas ketiga.	Complied	Such survey had been carried out and a map showing these areas is presented in the EIA Report.		
iii.	Pelan penyukatan simpanan sungai dengan skala minima 1:25,000 hendaklah dikemukakan kepada JPAS bersama-sama dengan bacaan koordinat latitud dan longitud sebelum aktiviti penghutanan semula dimulakan di kawasan projek berkenaan.	Complied	A map showing the surveyed riparian reserves is presented in the EIA Report.		

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
iv.	Sempadan simpanan sungai yang telah disukat, hendaklah ditanda di lapangan dengan cat merah serta dipasang dengan papan tanda di lokasi-lokasi yang mudah dilihat sebelum aktivit penghutanan semula dimulakan di kawasan projek berkenaan.	Complied	Such demarcations were still in place, as observed during the site inspection conducted on 3rd August 2021, and these demarcations need to be kept intact at all times.	**5.2 [a] to [c]**	
v.	Sebarang pembinaan rumah pekerja, kem pekerja, bengkel, tandas atau struktur bangunan lain **tidak dibenarkan** di simpanan sungai ini.	Complied	There were no signs of such structures and facilities in any riparian reserves during the site inspection conducted on 3rd August 2021.		
vi.	Sebarang penyimpanan bahan minyak atau bahan toksik **tidak dibenarkan** di simpanan sungai ini.	Complied	There were no signs of such storage or handling activities in any riparian reserves during the site inspection conducted on 3rd August 2021.		
vii.	Sebarang bahan tanah lebihan, sisa tumbuhan, sisa pepejal, kumbahan, bahan minyak atau bahan-bahan toksik **tidak dibenarkan** dilupuskan di simpanan sungai, d dalam sungai atau alur air.	Complied	There were no signs of such discharges or disposals into any riparian reserves, rivers or waterways during the site inspection conducted on 3rd August 2021.		
5.3	**Bahan Minyak Dan Sisa Toksik**				
i.	Bahan minyak dan sisa toksik yang digunakan dalam projek ini adalah **tidak dibenarkan** dilupuskan atau dibiarkan mengalir ke dalam parit, sungai atau alur air.	Complied	There were no such traces detected in drains, rivers or waterways during the site inspection conducted on 3rd August 2021.		
ii.	Bahan minyak dan sisa toksik hendaklah dikumpul dan disimpan dalam bekas yang kukuh dan tidak mudah bocor. Bekas-bekas penyimpanan tersebut hendaklah dilabel.	Complied	Used oils were kept in leakproof solid containers and labeled accordingly, as observed during the site inspection conducted on 3rd August 2021.	**5.3 [a]**	

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
iii.	Kawasan penyimpanan bahan minyak dan sisa toksik tersebut hendaklah terlindung dari hujan dan hendaklah terletak pada jarak mendatar tidak kurang **50 meter** dari tebing sungai atau alur air.	Complied	Such storage areas (including skid tanks and a power generator set) were sheltered from the rain and located more than 50 meters, in horizontal distance, away from the nearest riverbanks or waterways, as observed during the site inspection conducted on 3rd August 2021.	**5.3 [a] to [d]**	
iv.	Kawasan penyimpanan bahan minyak dan sisa toksik hendaklah disediakan dengan sistem saliran serta perangkap minyak.	Complied	Drainage systems equipped with oil traps were provided for such storage areas (used oils, fuel and lubricants storage facilities, skid tanks, shed housing a power generator set), as observed during the site inspection conducted on 3rd August 2021.	**5.3 [a] to [d]**	
v.	Bahan minyak dan sisa toksik tersebut hendaklah dilupuskan mengikut garis panduan, peraturan atau undang-undang kerajaan yang sedang berkuatkuasa.	Complied	Used oil materials and oily residues (filters) generated in the concession area were being collected by DOE licensed scheduled waste transporter. There was no production of toxic waste in the concession area, as observed during the site inspection on 3rd August 2021.		
5.4	**Bahan Sisa Pepejal**				
i.	Sebarang aktiviti pelupusan bahan sisa pepejal **tidak dibenarkan** ke dalam sungai atau alur air.	Complied	There were no signs of such discharges or disposals into any drains, waterways, rivers or riparian reserves in this concession area during the site inspection conducted on 3rd August 2021.		

Condition No.	Environmental Compliance Condition	Status	Observation / Comment	Plate No.	Recommendations
ii.	Semua bahan sisa pepejal hendaklah dikumpul dan dilupuskan di kawasan yang terletak pada jarak mencatar tidak kurang **30 meter** dari tebing sungai atau alur air.	Complied	Solid waste collection facilities such as waste bins and gunny sack were located more than 30 meters, in horizontal distance, away from the nearest waterway or riverbank, as observed during the site inspection conducted on 3rd August 2021.	**5.4 [a] & [c]**	
iii.	Sekiranya tiada kawasan pelupusan yang sesuai calam kawasan projek, bahan sisa pepejal tersebut hendaklah dilupuskan di kawasan yang disediakan oleh pihak berkuasa tempatan yang berkaitan.	Complied	A dumpsite has been established in the concession area, as observed during the site inspection conducted on 3rd August 2021.	**5.4 [b]**	
5.5	**Kawalan Kebakaran Hutan**				
i.	Sebarang aktiviti pembakaran terbuka adalah **tidak dibenarkan**.	Complied	No traces of open burning were sighted during the site inspection conducted on 3rd August 2021.		
ii.	Pelan pengurusan dan pencegahan kebakaran hutan hendaklah disediakan dan satu salinan pelan tersebut hendaklah dikemukakan kepada JPAS.	Complied	A Fire Prevention and Management Plan were attached in previous ECR for reporting period from September 2012 - December 2012 (Y3/2012).	**5.5 [a] & [b]**	
5.6	**Penghentian Projek**				
i.	Semua struktur binaan yang tidak digunakan hendaklah dibuka secara teratur apabila berlaku penghentian projek tersebut.	Not Applicable	The Project is not abandoned / terminated.		
ii.	Semua struktur binaan yang didapati tidak selamat atau yang tidak dapat dipastikan selamat, hendaklah dibuka.	Not Applicable	The Project is not abandoned / terminated.		

Certification & Declaration:

(i) On behalf of the Project Operator, I hereby certify that this ECR reflects the true environmental condition of the development of our Project during the said monitoring period.

.....

MS. MARLINA ANTHONIUS
ENVIRONMENTAL OFFICER

Date: 03/08/21

(ii) This ECR is compiled from observations made and discussions held with the authorized representative(s) of the Project Operator which, amongst others, covers the status of compliance with the Environmental Conditions as in the AEC.

KIWIHENG ENVIRONMENTAL CONSULTANTS SDN. BHD. (Co. No. 52783-W)

.....

MR. LIEW KIAM LEONG, MICHAEL
PRINCIPAL

Date: 30 AUG 2021

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4 Plates

Plate 1.1 [a]: Project boundary demarcation

Plate 1.1 [b]: Project boundary demarcation

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Plate 1.1 [c]: Demarcation for a 5-meter wide buffer zone along Sg. Timbangah Forest Reserve

Plate 1.1 [d]: Demarcation for a 5-meter wide buffer zone along Sg. Timbangah Forest Reserve

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Plate 1.1 [e]: Demarcation for a 5-meter wide buffer zone along Sg. Timbangah Forest Reserve

Plate 1.2 [a]: View of tree replanting in the concession area

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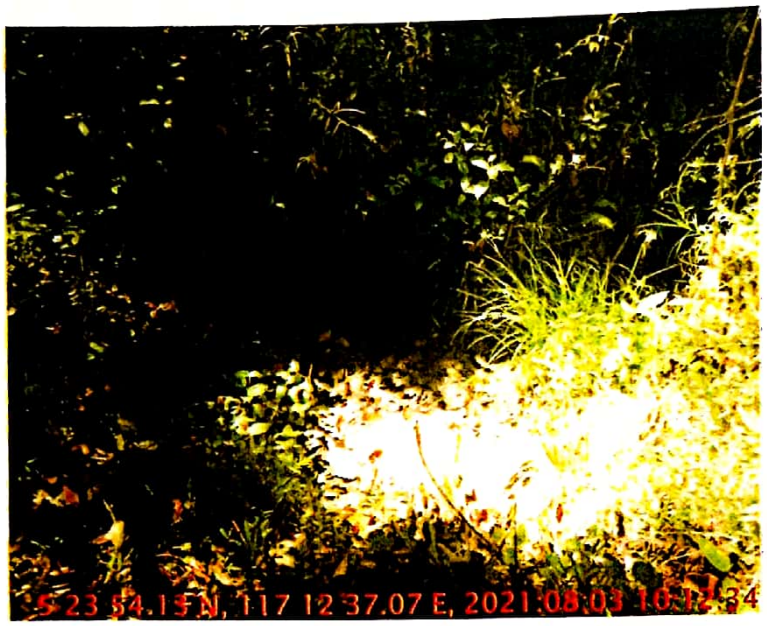

Plate 1.2 [b]: View of a sedimentation pond (Block 55D)

Plate 1.3.5 [a]: Water Sampling at Station No. W1, Sg. Timbangah (Upstream)

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Plate 1.3.5 [b]: Water Sampling at Station No. W2, Sg. Timbangah (Midstream)

Plate 1.3.5 [c]: Water Sampling at Station No. W3, Sg. Timbangah (Downstream)

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Plate 5.1.1 [a]: Roadside drain

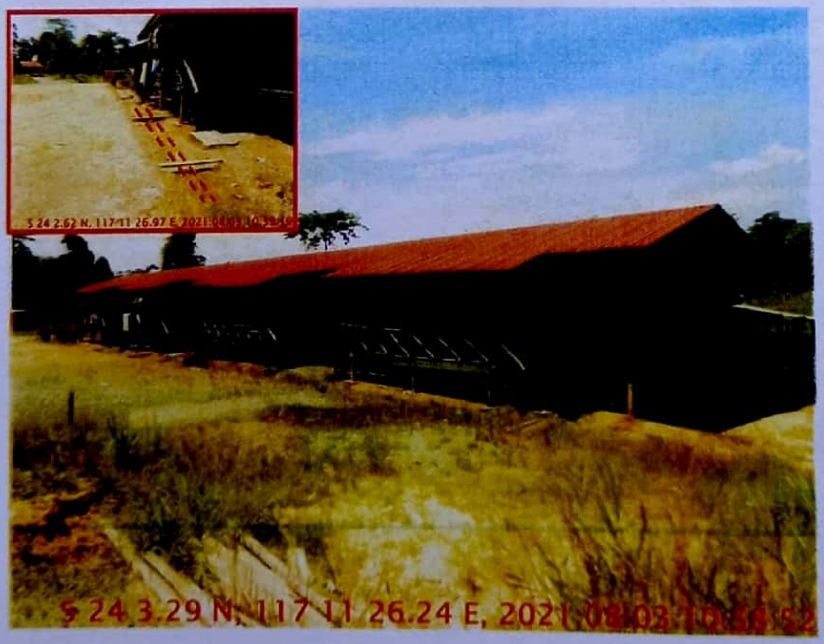

Plate 5.1.2 [a]: Workers' living quarters are surrounded with a drainage system

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Plate 5.1.2 [b]: Nursery is surrounded with a drainage system

Plate 5.1.2 [c]: Workshop is surrounded with a drainage system and equipped with an oil trap

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Plate 5.2 [a]: Demarcation of a 30-meter wide riparian reserve for Sg. Timbangah

Plate 5.2 [b]: Demarcation of a riparian reserve for Sg. Timbangah

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Plate 5.2 [c]: Demarcation of a 30-meter wide riparian reserve

Plate 5.3 [a]: Used oil storage facility (with the contents therein labeled accordingly) is surrounded with a drainage system and equipped with an oil trap (which is shared with workshop)

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Plate 5.3 [b]: Lubricant oil storage facility is bunded and equipped with an oil trap

Plate 5.3 [c]: Shed housing a power generator set is surrounded with a drainage system and equipped with an oil trap

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Plate 5.3 [d]: Skid tanks for fuel storage are bunded and equipped with an oil trap

Plate 5.4 [a]: Segregation facility for solid waste

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Plate 5.4 [b]: View of a dumpsite

Plate 5.4 [c]: Gunny sack at the workers' living quarters

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Plate 5.5 [a]: Fire extinguisher at the workers' living quarters' area

Plate 5.5 [b]: Fire extinguisher at the lubricant storage area

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Plate 6.0: Closing Meeting / Discussion after site inspection

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5 Appendices

Appendix 5.1: Certificate of Analysis
(Water Quality Analysis Report)

Appendix 5.2: Quarterly Progress Report 2021

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STANDARDS MALAYSIA ACCREDITED LABORATORY
MS ISO/IEC 17025
TESTING
SAMM NO. 539

CONFIDENTIAL

CERTIFICATE OF ANALYSIS

Company	Kiwiheng Environmental Consultants Sdn. Bhd.
Lab Report No.	EL/W/0821/298
Date Sample Received	11th August 2021
Date Analysis Commenced	11th August 2021
Date Reported	27th August 2021
Sample Description	River Water
Customer Reference	Tangkulap- Pinangah Forest Development Project Forest Management Unit 17 Part A.

TEST PARAMETER	METHODS	(1) W1-Sg. Timbangah (Upstream) Date: 3/8/2021	(2) W2-Sg. Timbangah (Midstream) Date: 3/8/2021	(3) W3- Sg. Timbangah (Downstream) Date: 3/8/2021
pH value	APHA 4500-H^+ B	7.99 at 26.3°C	7.50 at 25.5°C	7.34 at 24.8°C
Total Suspended Solid, mg/L	APHA 2540 D	6	10	6
Ammoniacal Nitrogen, mg/L	APHA 4500 NH_3-B & C	ND (< 0.01)	ND (< 0.01)	ND (< 0.01)
Oil & Grease, mg/L	APHA 5520 B	1	2	1
Turbidity, NTU	In House Method based on APHA 2130 B	2.00	35.0	41.6

Note:
1) ND — Not Detected
2) APHA — Standard Methods for the Examination of Water and Wastewater, 21stEdition, 2005, American Public Health Association
3) Date — Sampling done by client (Sampling date and time provided by client)

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Verified By,

.....

ChM. Siti Hamizah binti Johari
B.Sc. (Hons) Industrial Chemistry,
Chemist
MMIC Reg. No: L/2767/8203/18

The above results relate only to the items tested. This report shall not be reproduced except in full without the written approval of Enfirst Laboratories Sdn. Bhd.

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