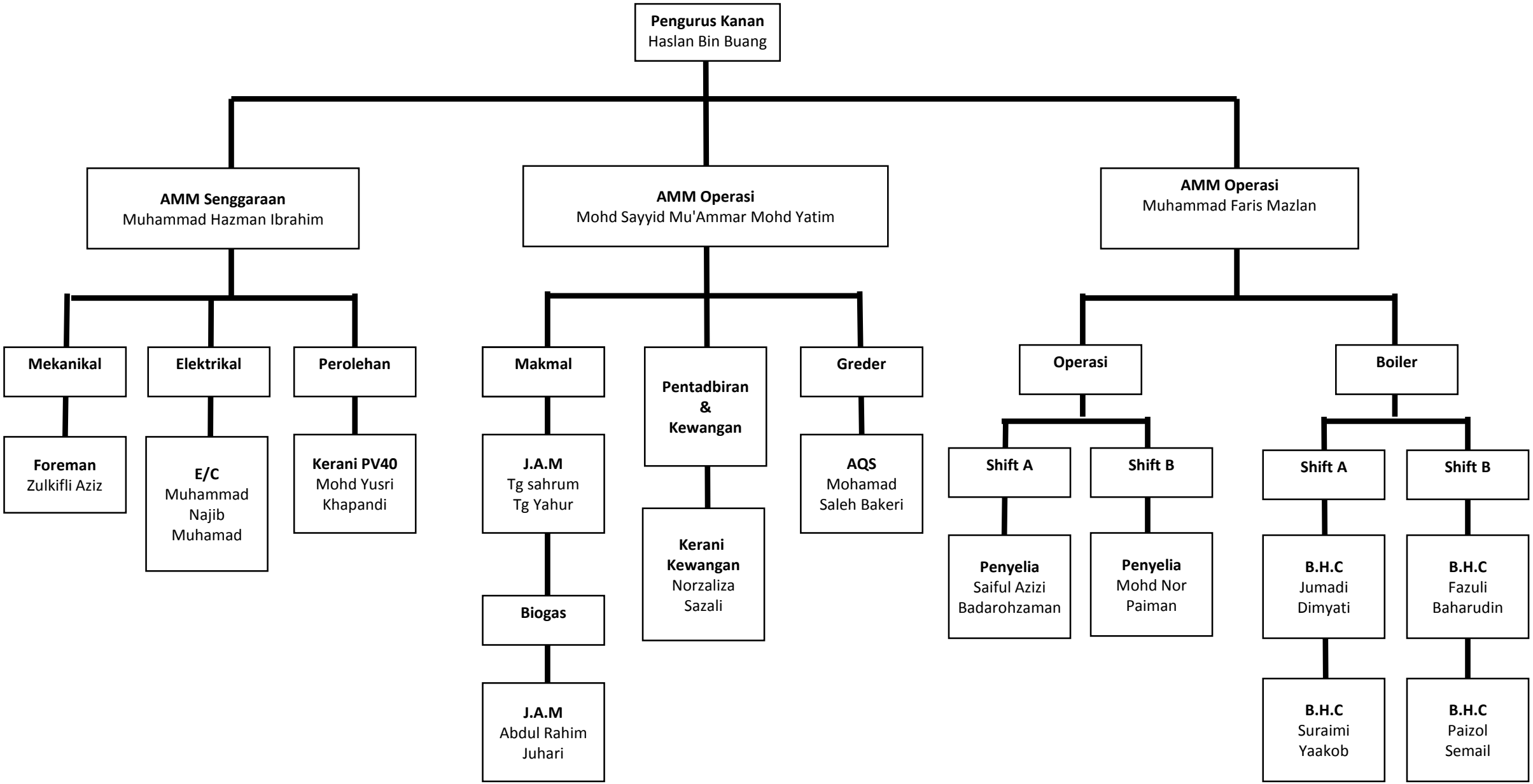
KILANG SAWIT PASOH

72300 SIMPANG PERTANG, JELEBU


KEDUDUKAN KILANG PASOH
FELDA PASOH SATU
Masjid Ubudiah Felda Pasoh 1
SK Pasoh Satu
~ 1 km
D'Mart Felda Pasoh Satu
PI1M Felda Pasoh 1
Pondok Polis Pasoh
Persampelan hulu & hilir Sungai (1km dr kilang)
Kilang Sawit Pasoh
FELDA PASOH EMPAT
SK (Felda) Pasoh 4
~ 1 km
1281
1281
1281
Simpang Pertang
Google
3D
Imagery ©2018 DigitalGlobe, CNES / Airbus, Map data ©2018 Google
Malaysia
Terms
Send feedback
500 m

CARTA ORGANISASI KILANG



LATAR BELAKANG KILANG

Pemegang	Felda Global Ventures Berhad
Mula beroperasi	Jun 1978 (40 tahun)
Produk keluaran	Minyak sawit mentah & Isi Rong
Kapasiti maksimum pemprosesan (syarat lesen)	45 MT (FFB) sejam
Kapasiti proses sebenar (purata sebulan-bergantung kpd FFB)	38 - 40 MT/jam (600 - 700 MT/hari - 15-17 jam proses)
Purata kadar alir efluen mentah	Purata 480 – 560 m3/hari (1 MT FFB = 0.80 m3 efluen)
Kadar alir efluen maksimum KB SPE	960 m3/hari
Pelepasan efluen	Alur air

GAMBAR-GAMBAR PROSES


WEIGHBRIDGE


LOADING RAMP


FRESH FRUIT BUNCH
CONVEYOR


FRESH FRUIT BUNCH
CRUSHER NO.2
BUNCH CRUSHER

CONTINUOS STERILIZER

THRESHER

EMPTY BUNCH CONVEYOR

EFB

SHREDDED MACHINE /TAPAK PELUPUSAN EFB

PRESS

DARI PRESS

OIL TANK

OIL PURIFIER

TANGKI SIMPANAN MINYAK (CPO)

VERTICAL CLARIFIER TANK

PENGURUSAN
BUANGAN TERJADUAL

PEMATUHAN PPKAS (BT) 2005

- Kilang ini didapati patuh pada pengurusan BT
- Penstoran memuaskan – berbumbung, lantai konkrit, ada bund, ada sump, ada label dan berkunci
- Bekas kukuh, bertutup dan berlabel
- Sistem eswis digunapakai dan dikemaskini
- Ada CePSWaM

SIJIL ORANG YANG BERWIBAWA - CePSWaM

1. MUHAMMAD FAIRUZ BIN MAZLAN
   (Penolong Pengurus)
   Kursus pada 10-14 Oktober 2016
   Telah hantar FTR Januarai 2018

2. MUHAMMAD HAZMAN BIN IBRAHIM
   (Penolong Pengurus)
   Hadir kursus Jun 2018

STOR BUANGAN TERJADUAL

PELABELAN BT

PELABELAN BEKAS BT

PELABELAN BEKAS BT

FIFTH SCHEDULE
(Regulation 11)
ENVIRONMENTAL QUALITY ACT 1974
ENVIRONMENTAL QUALITY (SCHEDULED WASTES) REGULATIONS 2005
INVENTORY OF SCHEDULED WASTES

1.IDENTIFICATION	
FILE REFERENCE NO:	ASNS(B)31/152/000/007
INVENTORY NO	0501N1017161152018
(i) PREMISE NAME	KILANG KELAPA SAWIT PASOH (PYDT KKS) (KILANG KELAPA SAWIT PASOH (PYDT KKS))
PREMISE ADDRESS	SIMPANG PERTANG, , ,
STATE	NEGERI SEMBILAN
STATUS	SUBMIT
INVENTORY OF SCHEDULED WASTES FOR THE MONTH OF	MAY
INVENTORY OF SCHEDULED WASTES FOR THE YEAR OF	2018

						WASTE HANDLING		
#	DATE [a]	*WASTE CATEGORY CODE	WASTE OF NAME	BALANCE B/F (mT)	*QUANTITY GENERATED (mT)	METHOD [b]	QUANTITY (mT)	PLACE [c]
1		SW305	MINYAK PELINCIR	0.0150	0.0000			
2		SW306	MINYAK HYDRAULIK	0.0000	0.0000			
3		SW410	SARUNG TANGAN/KAIN BURUK/FILTER	0.0000	0.0000			

Note:
* Inventory of the current generation of scheduled wastes
a Date when the scheduled wastes are the first generated
b Stored, processed,recovered for materials or product from such scheduled wastes, incinerated, exchanged or other methods (specify)
c Give name and address of facility

DECLARATION
I hearby declare that all information given in this form is to best of my knowledge and believe true and correct in all respect.

NAME OF REPORTING OFFICER ***	HJ HASHIMUDIN
NRIC No.	-
DESIGNATION	Supervisor
DATE	07/06/2018

THIS IS A COMPUTER-GENERATED DOCUMENT AND IT DOES NOT REQUIRE A SIGNATURE.

PENGURUSAN UDARA

PEMATUHAN PPKAS (UB) 2014

- Pematuhan kepada PPKAS (UB) 2014 masih tidak memuaskan
- Kilang ini belum mengemukakan perancangan bagi menambahbaik SKPU ke arah pematuhan peraturan
- Pengukuran bunyi bising sempadan – patuh syarat lesen

PREMISE DATA AND REPORT

KILANG SAWIT PASOH
72300 SIMPANG PERTANG

Data Type : Monthly ▼

Date : Mei ▼ Month 2018 ▼ Year

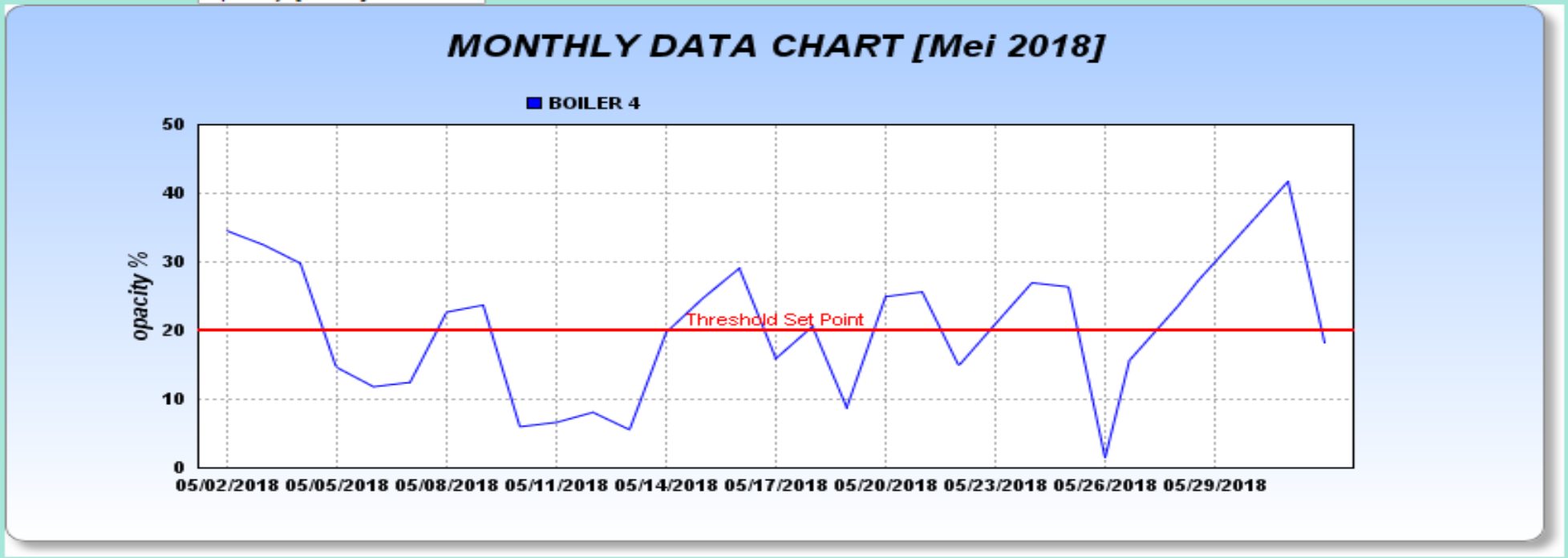
Submit Reset

MONTHLY DATA REPORT [May 2018]

Chart | BOILER 1 | BOILER 2 | BOILER 3 | BOILER 4

Stack
- ☐ BOILER 1
- ☐ BOILER 2
- ☐ BOILER 3
- ☑ BOILER 4

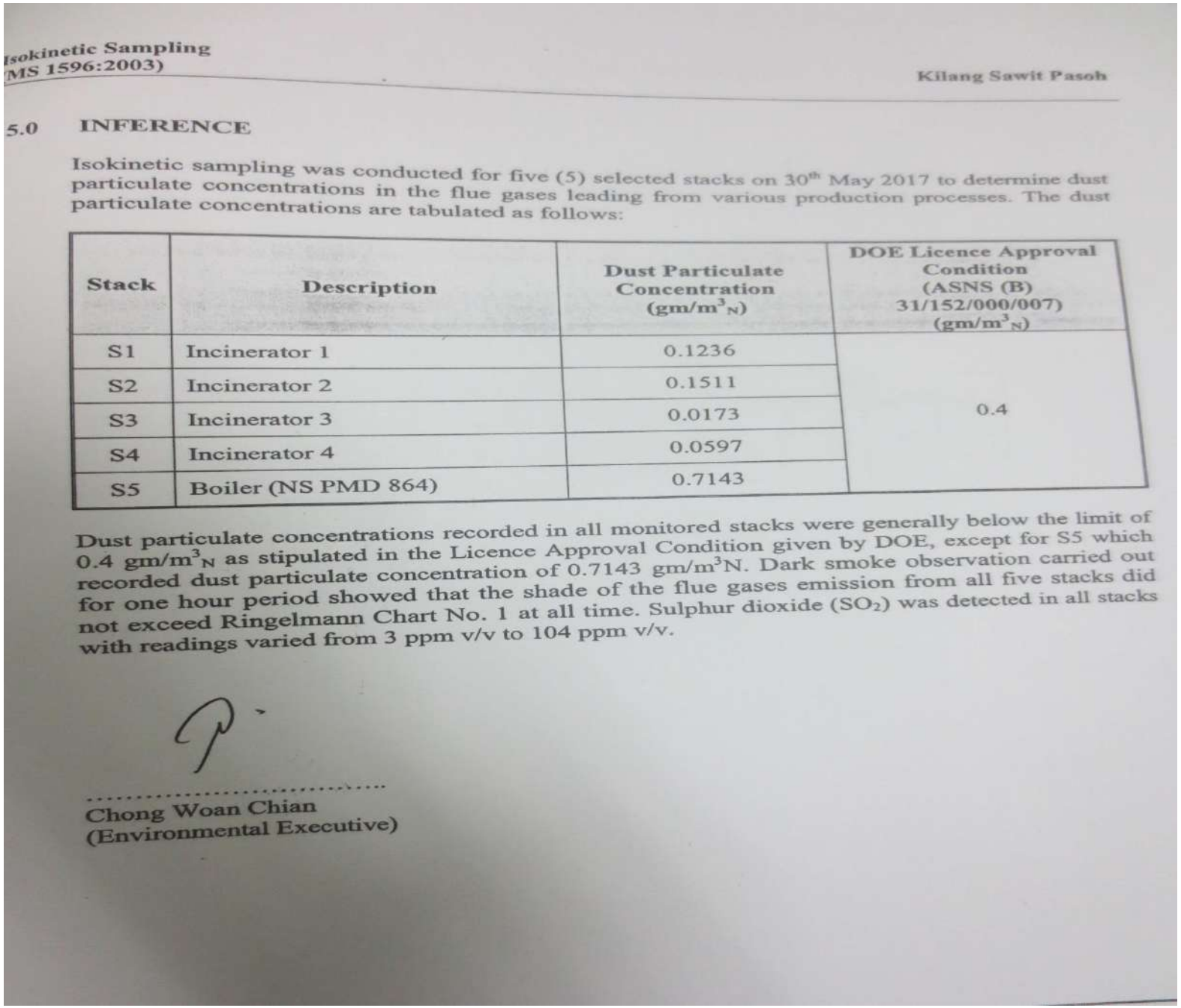
Parameter: opacity [20 %] ▼



CEROBONG DARI OPERASI DANDANG

LAPORAN STACK SAMPLING

Pengukuran terkini pada April 2018-belum keluar laporan



Isokinetic Sampling
(MS 1596:2003)

Kilang Sawit Pasoh

5.0 INFERENCE

Isokinetic sampling was conducted for five (5) selected stacks on 30th May 2017 to determine dust particulate concentrations in the flue gases leading from various production processes. The dust particulate concentrations are tabulated as follows:

Stack	Description	Dust Particulate Concentration (gm/m^3_N)	DOE Licence Approval Condition (ASNS (B) 31/152/000/007) (gm/m^3_N)
S1	Incinerator 1	0.1236	0.4
S2	Incinerator 2	0.1511	
S3	Incinerator 3	0.0173	
S4	Incinerator 4	0.0597	
S5	Boiler (NS PMD 864)	0.7143	

Dust particulate concentrations recorded in all monitored stacks were generally below the limit of 0.4 gm/m^3_N as stipulated in the Licence Approval Condition given by DOE, except for S5 which recorded dust particulate concentration of 0.7143 gm/m^3N. Dark smoke observation carried out for one hour period showed that the shade of the flue gases emission from all five stacks did not exceed Ringelmann Chart No. 1 at all time. Sulphur dioxide (SO_2) was detected in all stacks with readings varied from 3 ppm v/v to 104 ppm v/v.

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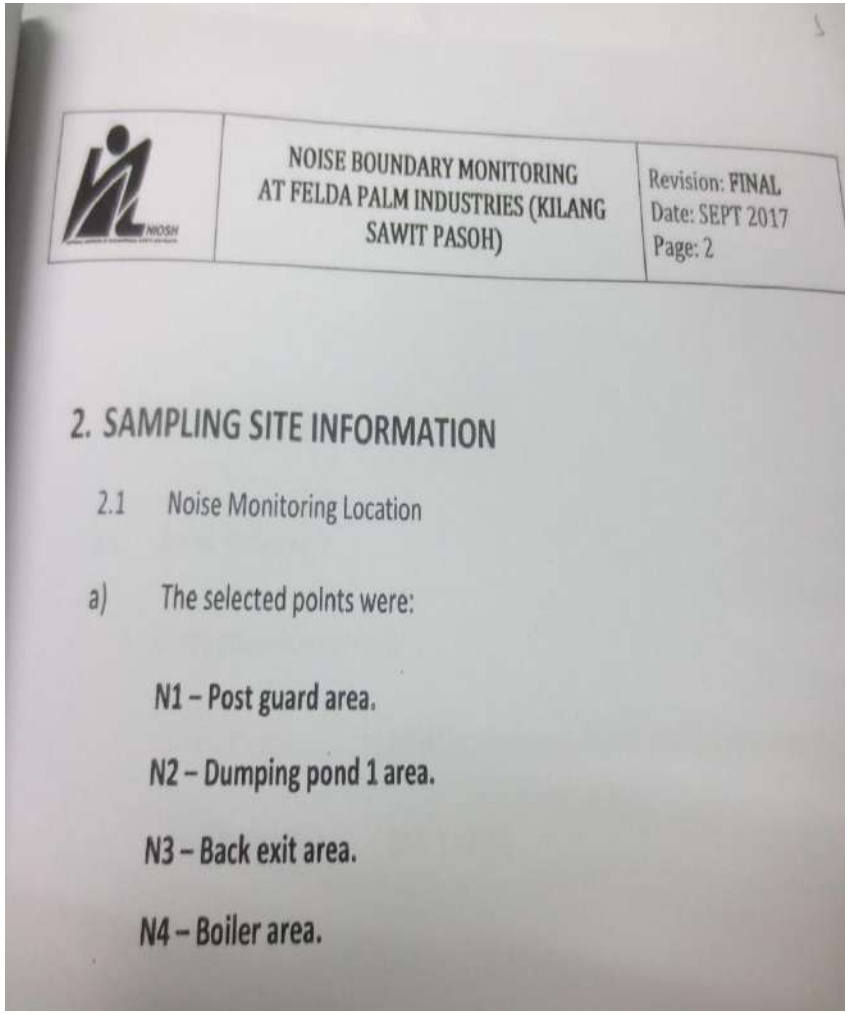
Chong Woan Chian
(Environmental Executive)

Laporan Bunyi Bising



NOISE BOUNDARY MONITORING AT FELDA PALM INDUSTRIES (KILANG SAWIT PASOH)

Revision: FINAL
Date: SEPT 2017
Page: 2

2. SAMPLING SITE INFORMATION

2.1 Noise Monitoring Location

a) The selected points were:

N1 – Post guard area.

N2 – Dumping pond 1 area.

N3 – Back exit area.

N4 – Boiler area.

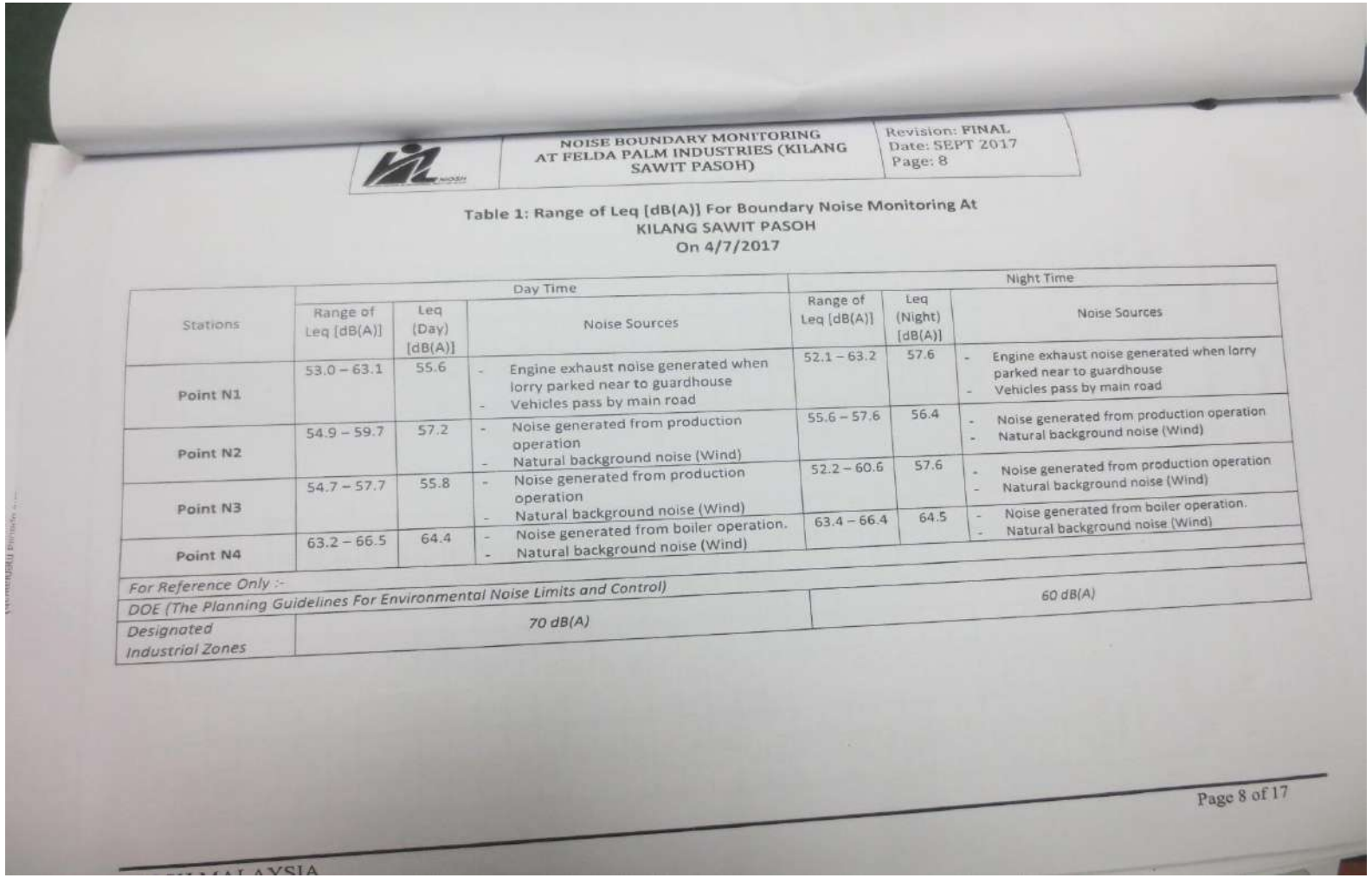


Table 1: Range of Leq [dB(A)] For Boundary Noise Monitoring At KILANG SAWIT PASOH On 4/7/2017

Stations	Day Time			Night Time		
	Range of Leq [dB(A)]	Leq (Day) [dB(A)]	Noise Sources	Range of Leq [dB(A)]	Leq (Night) [dB(A)]	Noise Sources
Point N1	53.0 – 63.1	55.6	- Engine exhaust noise generated when lorry parked near to guardhouse - Vehicles pass by main road	52.1 – 63.2	57.6	- Engine exhaust noise generated when lorry parked near to guardhouse - Vehicles pass by main road
Point N2	54.9 – 59.7	57.2	- Noise generated from production operation - Natural background noise (Wind)	55.6 – 57.6	56.4	- Noise generated from production operation - Natural background noise (Wind)
Point N3	54.7 – 57.7	55.8	- Noise generated from production operation - Natural background noise (Wind)	52.2 – 60.6	57.6	- Noise generated from production operation - Natural background noise (Wind)
Point N4	63.2 – 66.5	64.4	- Noise generated from boiler operation. - Natural background noise (Wind)	63.4 – 66.4	64.5	- Noise generated from boiler operation. - Natural background noise (Wind)
For Reference Only :-						
DOE (The Planning Guidelines For Environmental Noise Limits and Control)						
Designated Industrial Zones	*70 dB(A)*			*60 dB(A)*		

PENGURUSAN EFLUEN

PEMATUHAN EFLUEN

- SPE berfungsi dengan baik, benteng baik, ada papan tanda dan ada jalankan pm
- Secara keseluruhan, kilang sentiasa patuh pada syarat pelepasan efluen
- Laporan sukutahunan dikemukakan dan OER dikemaskini setiap suku tahun – patuh
- Housekeeping sekitar kawasan efluen masih perlu ditambah baik

SIJIL ORANG YANG BERWIBAWA - CePPOME

ADISHAHROL BIN SHAFFIEI

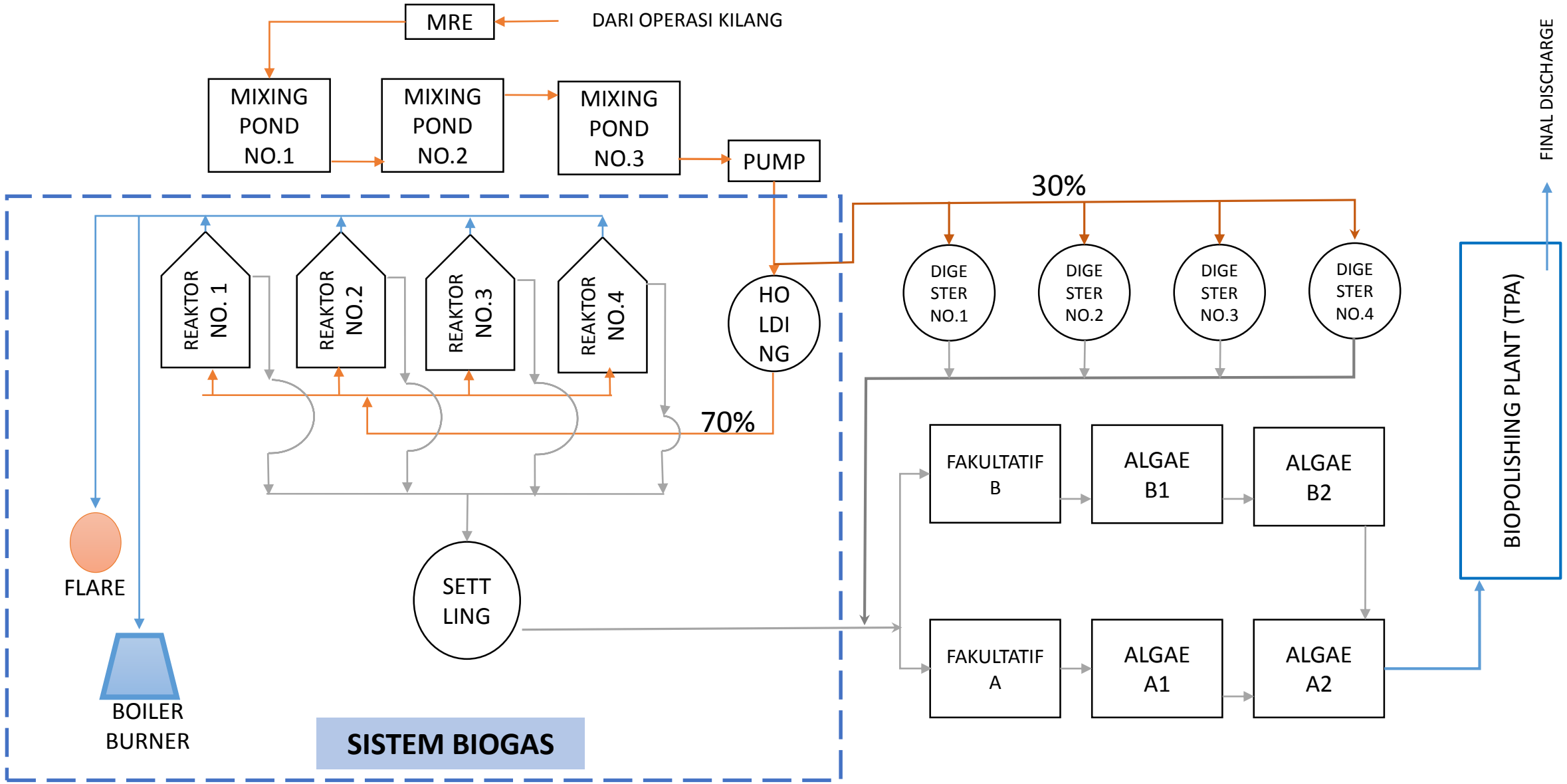
NO.SIRI : CePPOME/00023

MUHAMMAD HAZMAN BIN IBRAHIM

(PENOLONG PENGURUS)

Dalam proses pensijilan

CARTA ALIR SPE



SISTEM PENGOLAHAN EFFLUEN

MIXING POND NO. 1,2,3

MIXING POND NO. 1

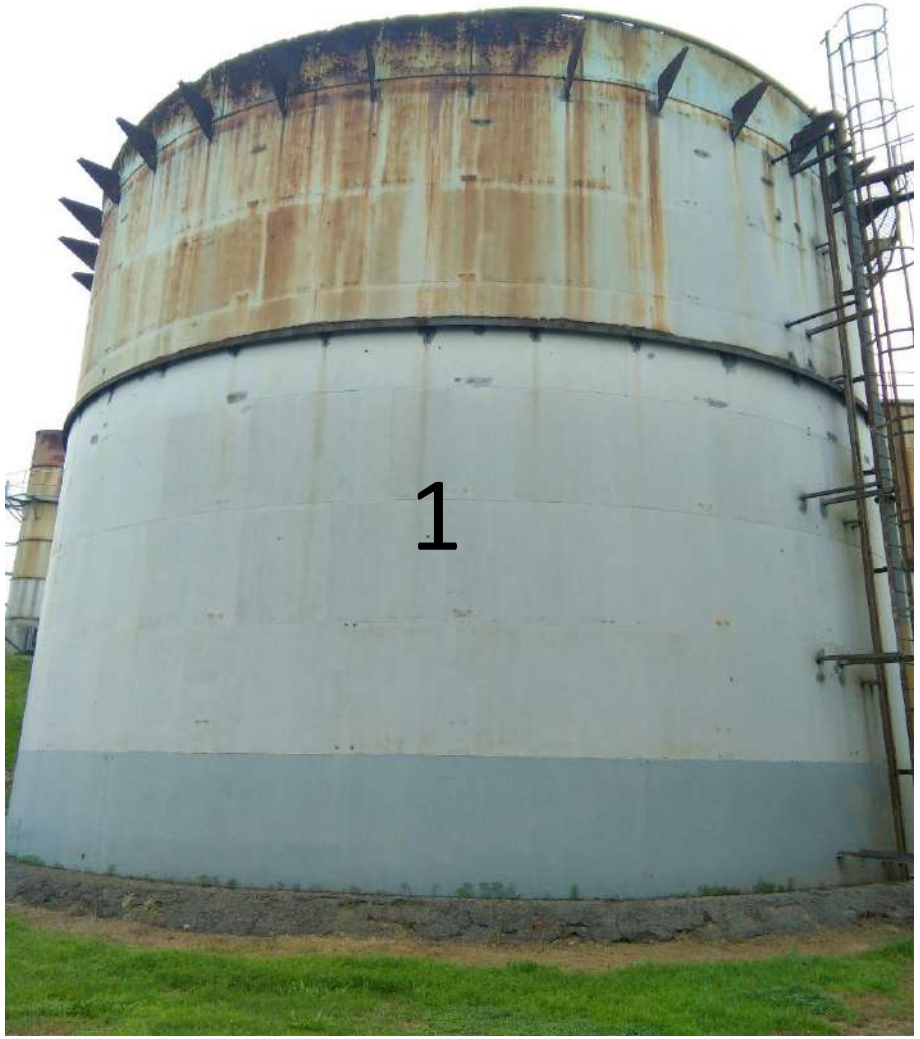
SISTEM PENGOLAHAN EFLUEN

MIXING POND NO. 2

MIXING POND NO. 3

SISTEM PENGOLAHAN EFLUEN

ANAEROBIC DIGESTER NO.1



ANAEROBIC DIGESTER NO.2

SISTEM PENGOLAHAN EFLUEN

ANAEROBIC DIGESTER NO.3

ANAEROBIC DIGESTER NO.4

SISTEM PENGOLAHAN EFLUEN

ALGAE POND NO. A1

ALGAE POND NO. B2

SISTEM PENGOLAHAN EFLUEN

BIO POLISHING PLANT

TAKAT PELEPASAN AKHIR (BIO POLISHING PLANT

BIO GAS PLANT

List of Reports

OER DILAKSANAKAN

Export As PDF

No	Premise	DOE No	Treatment System	Branch	Category	Date	Standard Comliance	
1	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Mar 2018	Complied	Detail
2	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Dec 2017	Complied	Detail
3	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Sep 2017	Complied	Detail
4	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Jul 2017	Complied	Detail
5	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Jun 2017	Complied	Detail
6	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Mar 2017	Complied	Detail
7	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Dec 2016	Complied	Detail
8	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Sep 2016	Complied	Detail
9	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Aug 2016	Complied	Detail
10	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Jul 2016	Complied	Detail
11	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Jun 2016	Complied	Detail
12	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Mar 2016	Complied	Detail
13	KILANG KELAPA SAWIT PASOH (PYDT KKS)	ASNS(B)31/152/000/007	KILANG KELAPA SAWIT PASOH (PYDT KKS)	PYDT	Industrial Effluent	Feb 2016	Complied	Detail

SECTION II : INFORMATION ON INDUSTRIAL EFFLUENT

Flowrate

Minimum

40

Maximum

60

Discharge

Method Of Discharge

continuous

Time Of Discharge

Quality of Effluent Discharged (unit in mg/L)

Parameter ***	First Week	Second Week	Third Week	Fourth Week
Sample Date	2018-01-22	2018-02-05	2018-03-05	
Sampling Time	08 : 30 : AM	08 : 30 : AM	08 : 30 : AM	
Temperature℃	30.00	30.00	30.00	
pH Value	8.46	7.84	8.38	
BOD_5 at 20℃	29.00	27.00	39.00	
COD	217.00	206.00	240.00	
Suspended Solids	48.00	93.00	125.00	

LAPORAN SUKUTAHUNAN (OER) DALAM TEMPOH LESEN

ANALISA EFLUEN DI TAKAT PELEPASAN AKHIR													
			2017						2018				
PARAMETER/PERKARA	Unit	Limit	JUL	AUG	SEP	OKT	NOV	DIS	JAN	FEB	MAC	APR	STATUS
pH		5 - 9	8.22	8.89	8.81	8.06	7.94	8.72	8.27	7.81	8.02	8.18	PATUH
Biochemical Oxygen Demand (BOD)	mg/l	<100	34	24	26	28	25	22	29	27	39	58	PATUH
Suspended Solid (SS)	mg/l	< 400	74	190	45	66	65	83	48	93	125	221	PATUH
Oil & Grease (OG)	mg/l	< 50	3	4	2	3	2	3	8	2	6	6	PATUH
Ammoniacal Nitrogen (AN)	mg/l	< 150	13	11	3	9	9	17	19	9	9	15	PATUH
Total Nitrogen (TN)	mg/l	< 200	28	28	18	26	26	28	39	26	25	37	PATUH
Suhu	Celcius	< 45˚C	30.0	29.0	29.3	29.4	29.0	29.5	28.3	29.1	30.0	30.2	PATUH

LAWATAN PENGUATKUASAAN DAN TINDAKAN

SIASATAN PENGUATKUASAAN DALAM TEMPOH LESEN

TARIKH LAWATAN	HASIL PEMERIKSAAN	TINDAKAN JAS	TINDAKAN PREMIS
18/8/17	(DESKTOP) EMT 7/7 Ada kompeten CePPOME.CePSWaM. Ada polisi alam sekitar, ada pm, epmc, ercmc.	Pantau pelaksanaan EMT	Sentiasa kemasikini EMT
23/11/17	Data CEMS tidak dapat dicerap oleh JAS sejak April 2017 Persampelan efluen - patuh	NOTIS SEKSYEN 31 Memastikan CEMS berfungsi dengan baik dan JAS boleh menerima data pada setiap masa	Telah tambahbaik system CEMS & data telah dapat dicerap oleh JAS
22/3/18	SDM gagal berfungsi dengan baik di mana apabila tutup receiver bacaan opacity hanya 77%. Tiada pelepasan di TPA	NOTIS SEKSYEN 31 Menyelenggara dan memastikan peralatan mengukur kelegapan iaitu SDM berfungsi dgn sempurna pd setiap masa dandang beroperasi	Telah menjalankan kalibrasi SDM
25/6/18	Gagal menjalankan audit alam sekeliling dan ‘housekeeping’ tidak memuaskan Tiada pelepasan di TPA	NOTIS SEKSYEN 31 Menjalankan audit alam sekeliling dan tambah baik ‘housekeeping’	Dalam tempoh notis

KEPUTUSAN ANALISA KIMIA
TARIKH SIASATAN : 23 NOV 2017

PARAMETER	STANDARD (mg/l)	KEPUTUSAN ANALISA (mg/l)	STATUS
BOD_3	100	9	PATUH
SS	400	10	PATUH
AN	150	1.7	PATUH
TN	200	16	PATUH
OG	50	3.8	PATUH

ISU / MASALAH

- Susulan daripada aduan asap putih berjerebu oleh penduduk berdekatan dan sekolah berhampiran pada 2016, premis ini telah diberi notis seksyen 31 AKAS 1974 bertarikh 21 November 2016 untuk melupuskan EFB secara lebih mesra alam pada masa yang sama memberhentikan sepenuhnya penggunaan incinerator selewat-lewatnya sehingga tahun 2017.

- Walau bagaimanapun pihak premis telah memohon perlanjutan tempoh sehingga 31 Mei 2018 bagi memasang mesin ‘press and shred’.

- Pihak premis didapati telah patuh kepada notis yang dikeluarkan iaitu tidak lagi menjalankan operasi incinerator mulai 31 Mei 2018.

BUKTI PATUH NOTIS

4 Unit Insinerator Tidak Lagi Beroperasi Sejak 31 Mei 2018 Dan 3 Unit Mesin ‘Press & Shred’ Telah Dipasang

Lawatan Terkini Pada 25.6.18 - 4 Unit Incinerator tidak beroperasi

GAMBAR SEMASA LAWATAN PADA 22.3.18 – 4 UNIT INCINERATOR MASIH BEROPERASI

SYOR PEGAWAI PENGUATKUASA

- PERMOHONAN PEMBAHARUAN LESEN BOLEH DIPERTIMBANGKAN UNTUK DILULUSKAN

SEKIAN TERIMA KASIH

PENGAWASAN HULU HILIR SUNGAI DALAM TEMPOH LESEN

TAHUN			2017						2018			
Parameter/Perkara	**Point**	**Unit**	**JUL**	**AUG**	**SEP**	**OKT**	**NOV**	**DIS**	**JAN**	**FEB**	**MAC**	**APR**
pH	Hulu		7.5	8.5	7.59	9.32	7.42	7.44	7.88	7.87	7.33	7.64
	Hilir		7.42	7.88	7.42	8.65	7.62	7.62	7.49	7.52	7.42	7.53
Biochemical Oxygen Demand (BOD)	Hulu	mg/l	15	22	11	15	13	12	9	12	16	13
	Hilir		16	26	12	16	17	12	10	16	16	16
Suspended Solid (SS)	Hulu	mg/l	15	3	13	7	5	16	11	7	13	2
	Hilir		9	12	19	21	12	14	33	37	10	67
Oil & Grease (OG)	Hulu	mg/l	1	1	1	1	1	2	2	1	1	1
	Hilir		6	1	1	1	1	2	3	1	3	2
Ammoniacal Nitrogen (TKN)	Hulu	mg/l	4	16	2	4	7	8	7	8	10	6
	Hilir		5	16	2	6	9	7	7	8	8	9
Total Nitrogen (TN)	Hulu	mg/l	9	26	16	13	22	15	17	18	27	22
	Hilir		8	22	13	15	26	16	20	17	25	28