

# KOK FOH PALM OIL MILL

## 72109 BAHAU





WEIGHBRIDGE ↑

← OFFICE

10  
KM/J

26/06/2018

# PETA LOKASI KILANG



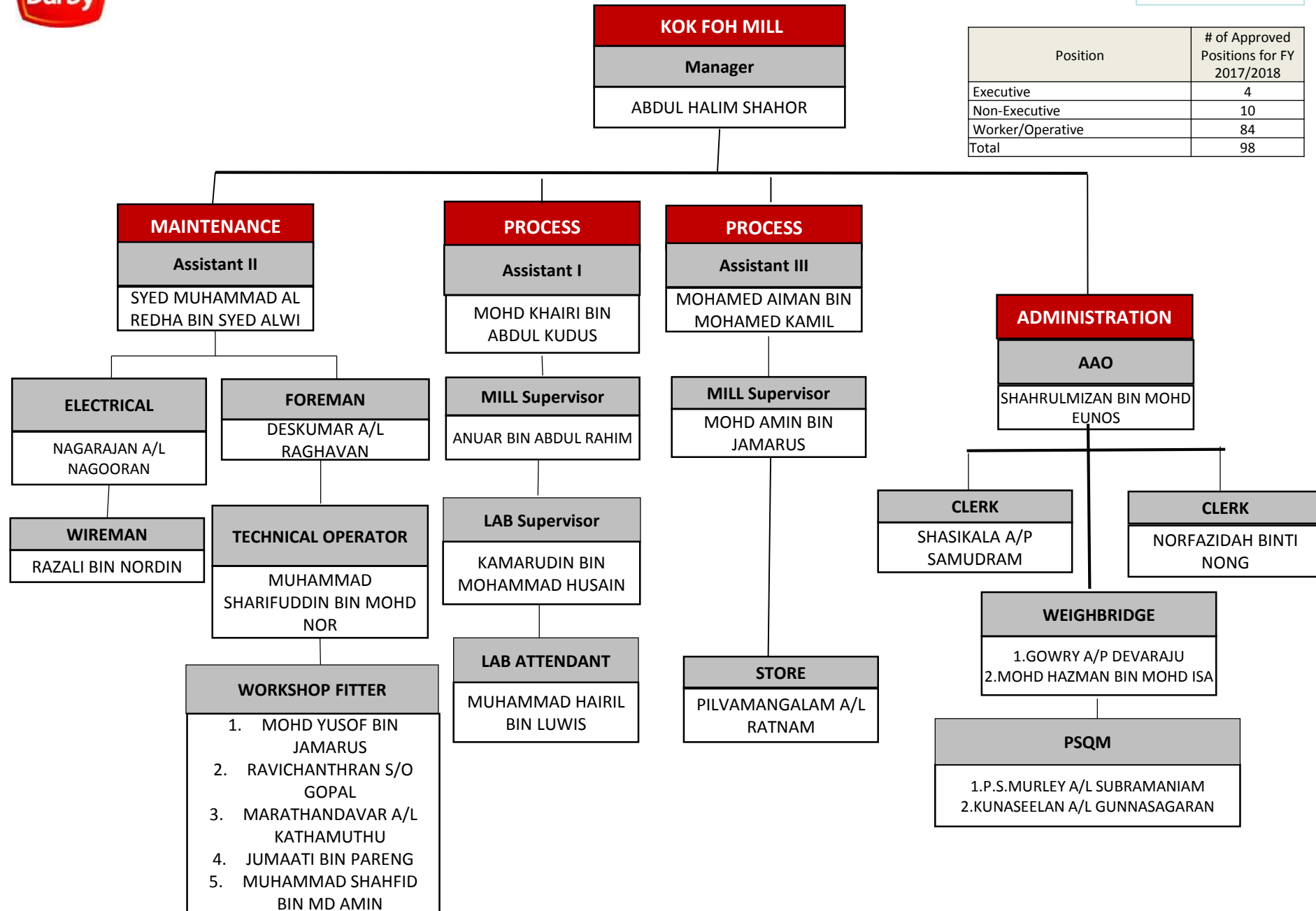


# KOK FOH MILL / SOU16

Appendix III

■	Department
■	Position

Position	# of Approved Positions for FY 2017/2018
Executive	4
Non-Executive	10
Worker/Operative	84
<b>Total</b>	<b>98</b>



# LATAR BELAKANG KILANG

<b>Pemegang</b>	<b>The China Engineers Sdn. Bhd. (anak syarikat Sime Dardy Berhad)</b>
Mula beroperasi	Oktober 2010 (18 tahun)
Jenis keluaran	Minyak sawit mentah & Isi Rong
Kapasiti maksimum pemprosesan (syarat lesen)	45 MT (FFB) sejam
Kapasiti proses sebenar	40 MT/jam (960 MT/hari ~ 20 jam proses)
Purata kadar alir efluen mentah	Purata 476 M3/hari
Kadar alir efluen maksimum KB SPE	1080 m3/hari
Pelepasan efluen (syarat lesen)	Atas tanah (> 50%) ; kompos (< 50%)
Purata pelepasan efluen sebenar	Atas tanah ( 80 %) ; kompos (20 %)

# PROSES KILANG

# GAMBAR-GAMBAR PROSES

Loading Ramp



Ramp Hopper



Sterilizer Station



Press Station

Threshing Station

Tipper

To Oil Room  
Station/Kernel  
Recovery station



Composting Plant

OIL ROOM STATION



CPO STORAGE TANK



# PALM KERNEL PROSES



Polishing Drum



Nut Silo



Kernel Drying Silo



Kernel Bulk  
Silo



# **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

# Sijil Orang Yang Berwibawa-CePSWaM

- Abdul Halim Bin Shahor  
(Pengurus)

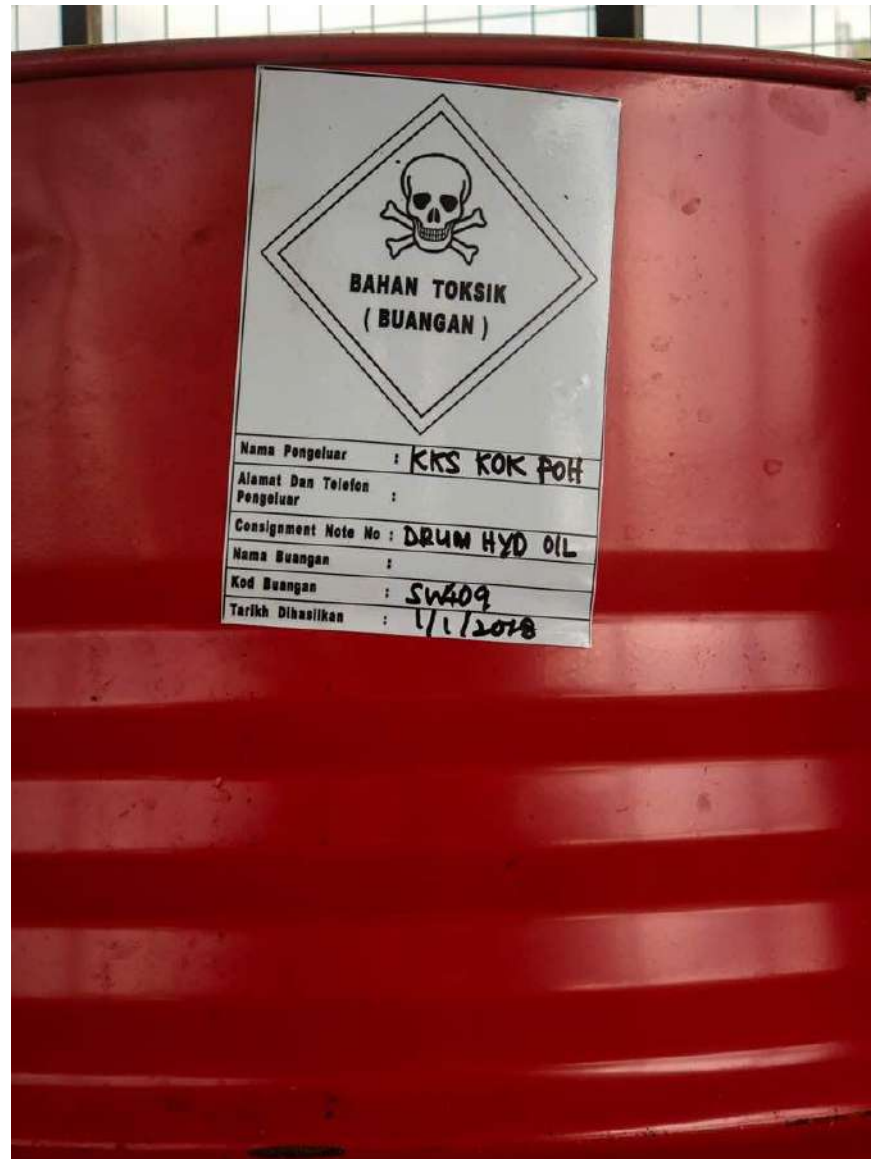
# STOR BUANGAN TERJADUAL



# PELABELAN



# LABEL PADA BEKAS BUANGAN TERJADUAL



## 1.IDENTIFICATION

FILE REFERENCE NO:	ASNS(B)31/152/000/005
INVENTORY NO	0507N0215103152018
(i) PREMISE NAME	KILANG KELAPA SAWIT KOK FOH PALM OIL MILL SDN BHD ( PYDT KKS ) (KKS KOK FOH PALM OIL MILL SDN)
PREMISE ADDRESS	BATU 4 1/2, JALAN PALONG - ROMPIN, . .
STATE	NEGERI SEMBILAN
STATUS	SUBMIT
INVENTORY OF SCHEDULED WASTES FOR THE MONTH OF	MAY
INVENTORY OF SCHEDULED WASTES FOR THE YEAR OF	2018

#	DATE <sup>(a)</sup>	*WASTE CATEGORY CODE	WASTE OF NAME	BALANCE B/F (mT)	*QUANTITY GENERATED (mT)	WASTE HANDLING		
						METHOD <sup>(b)</sup>	QUANTITY (mT)	PLACE <sup>(c)</sup>
1		SW102		0.0000	0.0000			
2		SW102	Lead acidic battery	0.0000	0.0000			
3		SW110	Electrical waste	0.0020	0.0000			
4		SW305	minyak pelincir	0.2790	0.0000	Adjustment	-0.2385	
5		SW306	minyak hidrolik	0.1260	0.0000			
6		SW322	isopropyl alcohol (ipa)	0.0380	0.0000			
7	04/05/2018	SW324	hexane	0.0010	0.0025			
8	04/05/2018	SW409	tin bahan kimia,tin cat	0.1740	0.0170			
9	04/05/2018	SW409	tong plastik	0.2310	0.1280			
10		SW410	penapis minyak	0.0000	0.0000			

**PEMATUHAN PPKAS  
(UDARA BERSIH) 2014**

# PEMATUHAN PPKAS (UB) 2014

- Dandang sedia ada patuh kepada syarat KB (PUB 1978).
- Dalam perancangan untuk pasang SKPU ESP pada boiler baru dan sedia ada untuk patuh PPKAS (UB) 2014.
- Sedang mohon lesen perlanggaran bagi 1 unit boiler baru (KB 25.1.2017) untuk tempoh 1.6.18 – 31.5.19.

## PREMISE DATA AND REPORT

KILANG KELAPA SAWIT KOK FOH PALM OIL MILL SDN BHD  
BATU 4 1/2 JALAN PALONG - ROMPIN 72100 BAHAU NEGERI SEMBILAN

Data Type : Monthly ▾

Date : Jun ▾ Month 2018 ▾ Year

Submit

Reset

## MONTHLY DATA REPORT [Jun 2018]

Chart

BOILER 1

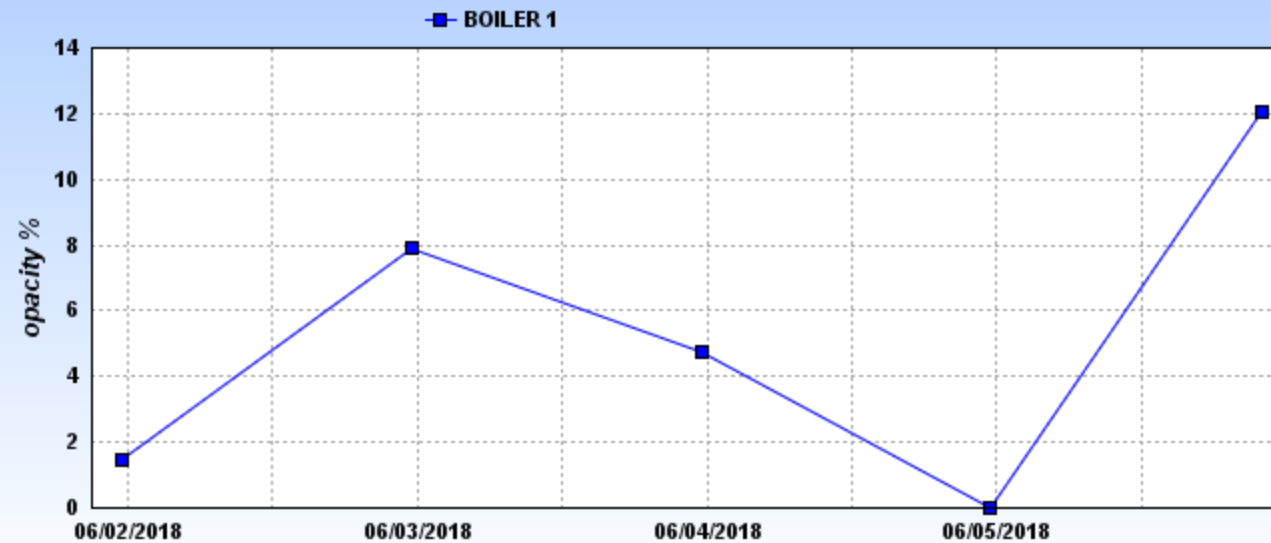
Stack

BOILER 1

Parameter

opacity [20 %] ▾

### MONTHLY DATA CHART [Jun 2018]



Laporan Stack Sampling 30 November 2017 = 0.3402 g/Nm<sup>3</sup>. Dijadualkan stack sampling dan pengukuran bunyi bising sempadan akan dijalankan pada Julai 2018.

Isokinetic Sampling  
(MS 1596:2003)


Kok Foh Palm Oil Mill

5.0 INFERENCE

Isokinetic sampling was conducted for Stack 1 on 30<sup>th</sup> November 2017 to determine dust particulate concentration in its flue gas leading from a boiler. The dust particulate concentration is tabulated as follows:

Stack	Source Description	Dust Particulate Concentration (gm/m <sup>3</sup> <sub>N</sub> )	DOE License Approval Condition (gm/m <sup>3</sup> <sub>N</sub> )
S1	Boiler 1 (NS PMD 940)	0.2111 at 7.4% CO <sub>2</sub>	-
		0.3402 at 12.0% CO <sub>2</sub>	0.4

Dust particulate concentration recorded for this stack expressed at 12.0% CO<sub>2</sub> recorded for this stack was lower than the allowable limit of 0.4 gm/m<sup>3</sup><sub>N</sub> stipulated in the License Approval Condition given by DOE.

  
.....  
Siti Faizrah Sani  
(Environmental Executive)

1711CKF - 0512

# CEROBONG NO.1 DARI DANDANG LAMA DAN NO. 2 DARI DANDANG BARU



# **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 memuaskan

# Sijil Orang Yang Berwibawa-CePPOME

1. ABDUL HALIM BIN SHAHOR (Pengurus)

2. MOHD KHAIRI BIN ABDUL KUDUS

(Penolong Pengurus)

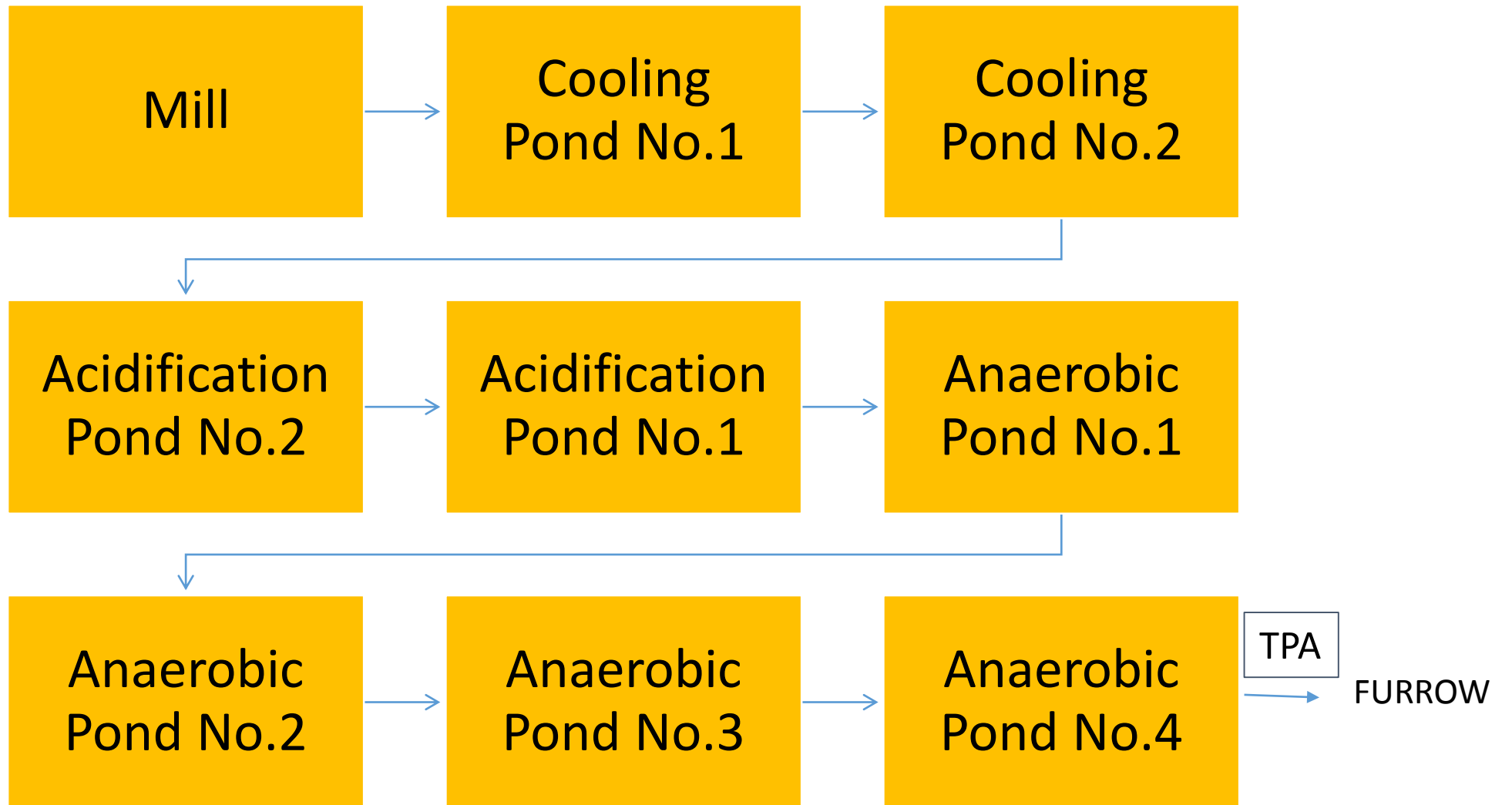
- Kursus pada Mac 2018 dan telah lulus peperiksaan

3. SYED MOHD AL-REDHA BIN SYED ALWI

(Penolong Pengurus)

- kursus pada Mac 2018 dan telah lulus peperiksaan

# CARTA ALIR SISTEM PENGOLAHAN EFLUEN



# SISTEM PENGOLAHAN EFLUEN

## ANAEROBIC POND NO. 1



## ANAEROBIC POND NO.2



# SISTEM PENGOLAHAN EFLUEN

## ANAEROBIC POND NO. 3



## ANAEROBIC POND NO. 4



# TAKAT PELEPASAN AKHIR

RUMAH PAM KE SISTEM FURROW



PERSAMPELAN DI TPA



# SISTEM FURROW



# LOJI KOMPOS



# OER digunakan dan dikemaskini

## List of Reports

[Export As PDF](#)

No	Premise	DOE No	Treatment System	Branch	Category	Date	Standard Compliance	
1	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Jan 2018	Not Complied	<a href="#">Detail</a>
2	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Oct 2017	Not Complied	<a href="#">Detail</a>
3	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Jul 2017	Not Complied	<a href="#">Detail</a>
4	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Apr 2017	Not Complied	<a href="#">Detail</a>
5	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Jan 2017	Not Complied	<a href="#">Detail</a>
6	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Oct 2016	Not Complied	<a href="#">Detail</a>
7	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Jul 2016	Not Complied	<a href="#">Detail</a>
8	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Apr 2016	Not Complied	<a href="#">Detail</a>
9	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Jan 2016	Not Complied	<a href="#">Detail</a>
10	KKS KOK FOH PALM OIL MILL SDN	ASNS(B)31/152/000/005	Effluent treatment	Cawangan Kuala Pilah	Palm Oil Mill	Oct 2015	Not Complied	<a href="#">Detail</a>

# **LAWATAN DAN TINDAKAN PENGUATKUASAAN**

# SIASATAN PENGUATKUASAAN DALAM TEMPOH LESEN

TARIKH LAWATAN	HASIL PEMERIKSAAN	TINDAKAN JAS	TINDAKAN PREMIS
26/07/17	DESKTOP EMT 7/7 Ada kompeten CePPOME.CePSWaM. Ada polisi alam sekitar, ada pm, epmc, ercmc.	Pantau pelaksanaan EMT	Sentiasa kemasikini EMT
30/10/17	Ada jalankan pm spe,ade rekod pelepasan efluen ke tanah dan kompos.Ada kompeten CePPOME & CePSWaM. BT – stor sempurna,label,bekas,inventori dikemaskini dalam eswis. SDM,CEMS berfungsi dengan baik. Tiada pelepasan ke furrow pada hari siasatan	Pantau	Patuh
05/03/18	Kawasan EFB chute di composting plant gagal diselenggara dan leachate sump tersumbat. Tiada pelepasan ke furrow pada hari siasatan	NOTIS SEKSYEN 31 Menyelenggara kawasan EFB chute dan leachate sump di composting plant setiap masa.	Pihak kilang telah membersihkan EFB dan mengurangkan kadar longgokan EFB
26/6/18	Pemeriksaan mendapati kilang patuh syarat lesen Persampelan dijalankan di TPA	Susul laporan analisa efluen JKM	Patuh

# SYOR PEGAWAI PENGUATKUASA

- Permohonan pembaharuan lesen boleh dipertimbangkan untuk diluluskan

**SEKIAN TERIMA KASIH**

# OER

Sample Date	2018-01-01	2018-02-01	2018-03-01
Sampling Time	02 : 30 : PM	02 : 00 : PM	01 : 30 : PM
Weather	Dry	Dry	Dry
Days of Operation	27	23	28
Total Discharge over 24 Hours Cubic Metres (m <sup>3</sup> )	520.05	555.09	544.19
Maximum Discharge 1 Hour Cubic Metres (m <sup>3</sup> )	45	45	45
Temperature°C	30.00	30.00	30.00
pH Value	8.30	8.10	8.10
BOD <sub>3</sub> at 30°C	599.00	352.00	513.00
COD	0.00	0.00	0.00
Total Solids	0.00	0.00	0.00
Suspended Solids	439.00	613.00	1065.00
Oil and Grease	6.00	5.00	7.00
Ammoniacal Nitrogen	182.00	94.00	52.00
Total Nitrogen	287.00	349.00	379.00