

**KKS NAM BEE (NAM BEE
CO.SDN.BHD.)
AIR KUNING SELATAN
73200 GEMENCHEH
NEGERI SEMBILAN DARUL
KHUSUS**



南美有限公司
NAM BEE COMPANY SDN. BHD.

(6058-X)

PALM OIL MILL & ESTATE

AIR KUNING SELATAN
73200 GEMENCHEH
NEGERI SEMBILAN DARUL KHUSUS.
TEL : 06-4479720, 06-4479729, 06-4478780
FAX : 06-4479872

IBU PEJABAT

NO. 87, JALAN KAMPUNG HULU
75200 MELAKA.
TEL : 06-2823344
FAX : 06-2839966



WELCOME
TO
NAM BEE COMPANY
(SDN BHD)
PALM OIL MILL
DIVISION

W T B

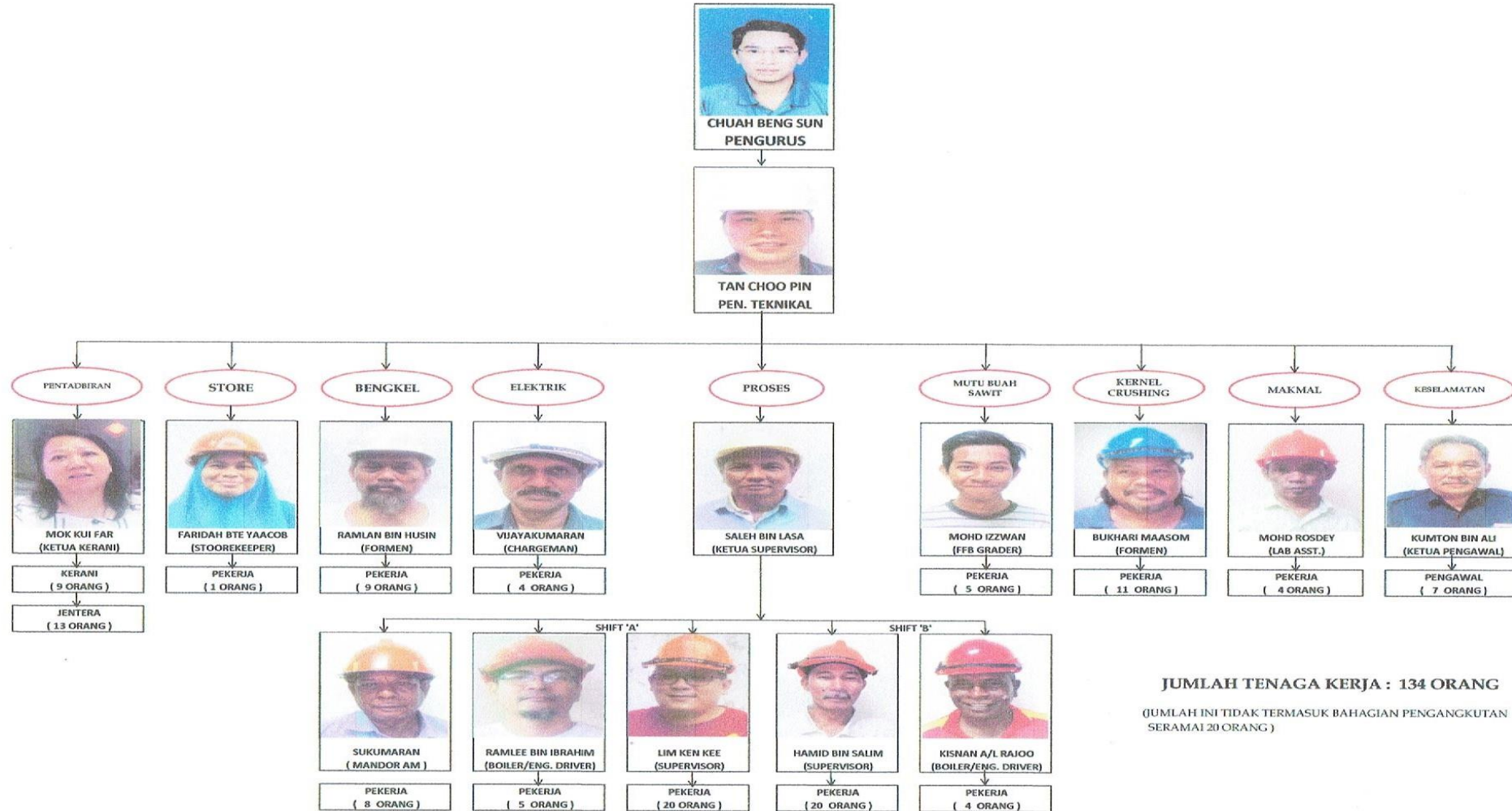




NAM BEE CO. SDN. BHD.

(KILANG SAWIT NAM BEE)

CARTA ORGANISASI



LATAR BELAKANG KILANG

- **Mula beroperasi: 1978**
- **Keluasan ladang lebih kurang 3500 ekar di N.Sembilan**
- **Bilangan pekerja 150 orang keseluruhan**
- **Kapasiti pemprosesan FFB:80 mt/jam**
- **Pelupusan efluen di atas tanah iaitu dalam ladang sendiri**

LAWATAN PENGUATKUASAAN

TARIKH	TINDAKAN
13 OKTOBER 2017	FC:House keeping memuaskan & patuh JP
20 NOVEMBER 2017	FC:House keeping memuaskan & patuh JP
19 MAC 2018	FC:House keeping memuaskan & patuh JP
14 MEI 2018	FC:House keeping memuaskan & patuh JP

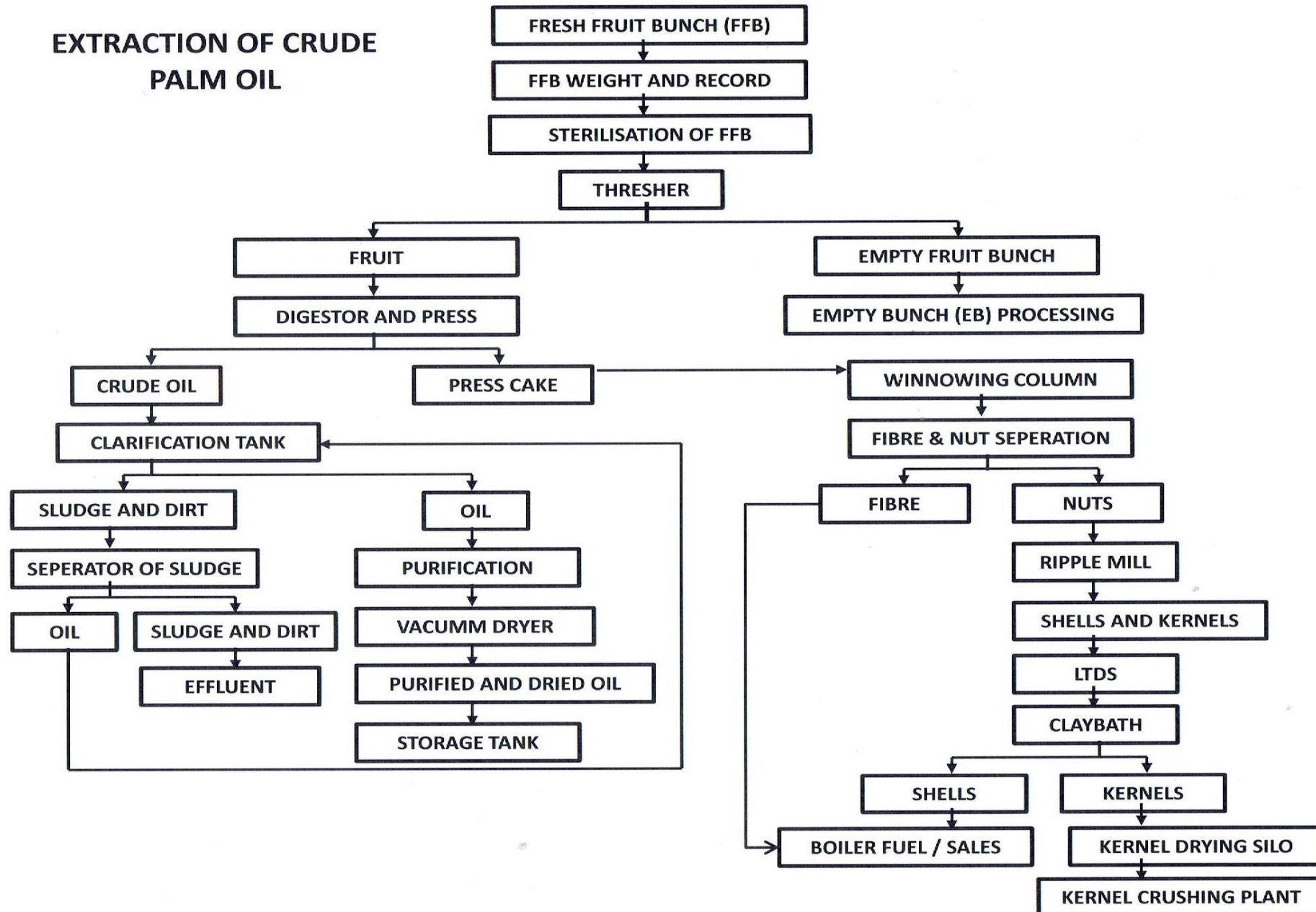
PENGURUSAN EFLUEN

FFB DIPROSES DARI JAN – MAY 2018 &

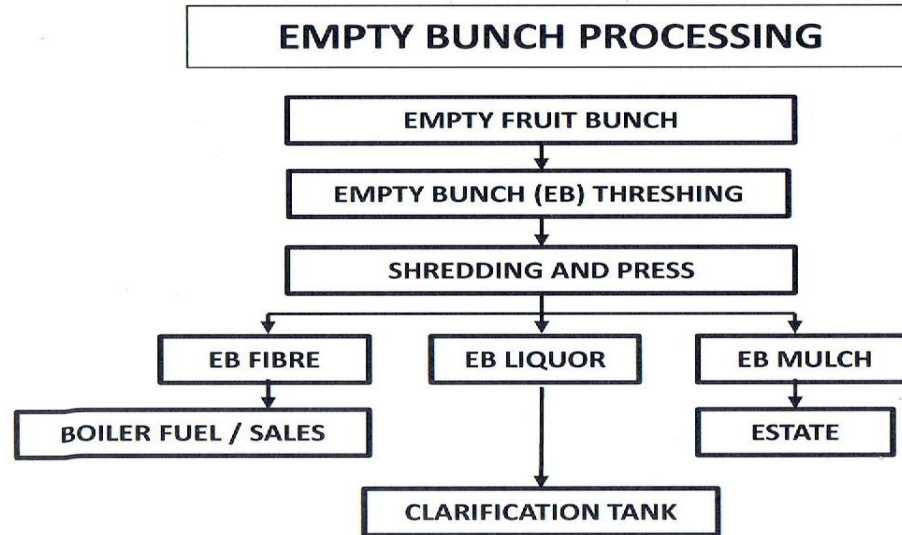
JANUARY	28044.78 MT
FEBRUARY	25245.46 MT
MAC	32825.20 MT
APRIL	28913.82 MT
MAY	27026.36 MT

NAM BEE CO. SDN BHD (PALM OIL MILL)

EXTRACTION OF CRUDE PALM OIL



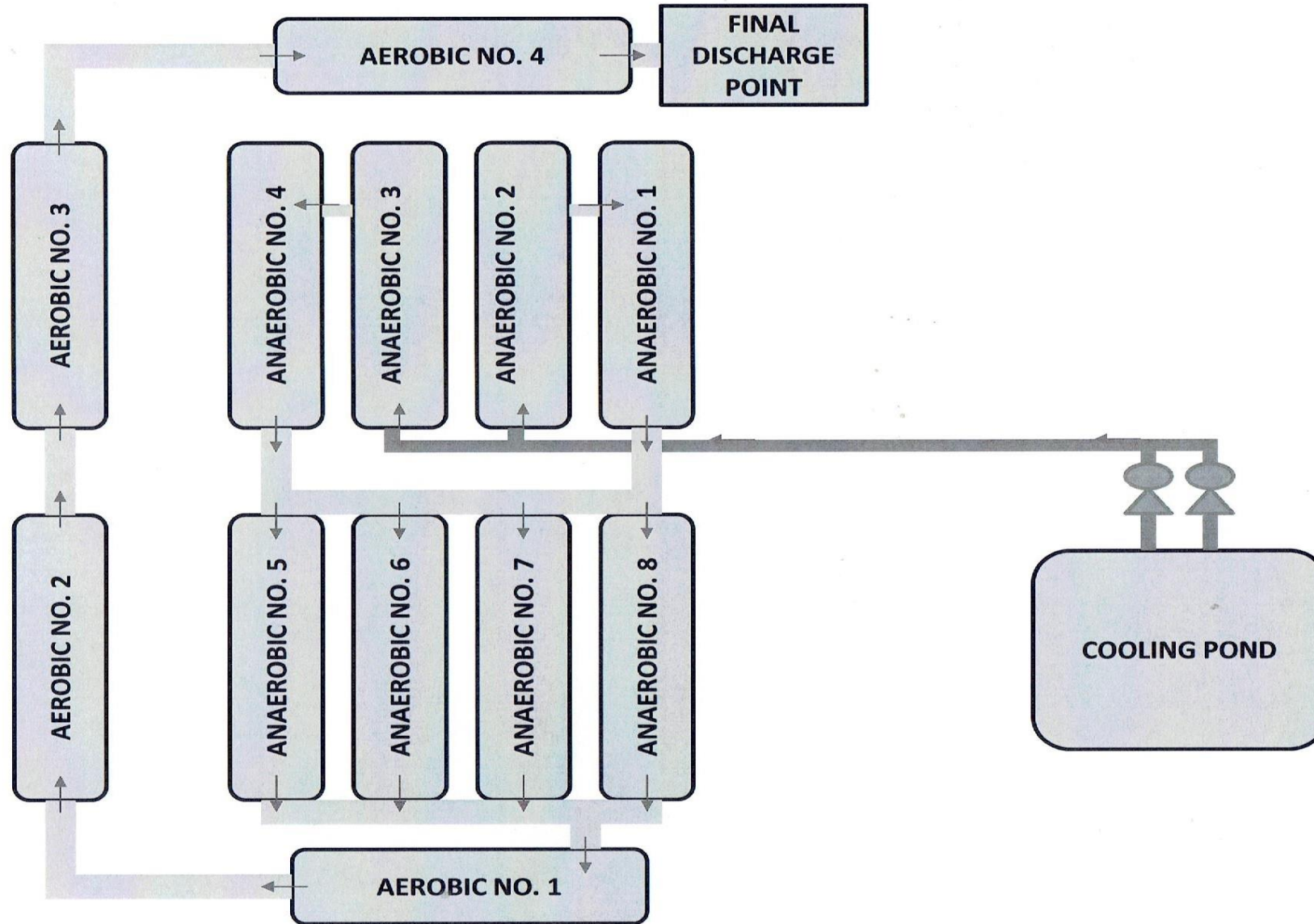
NAM BEE CO. SDN BHD (PALM OIL MILL)



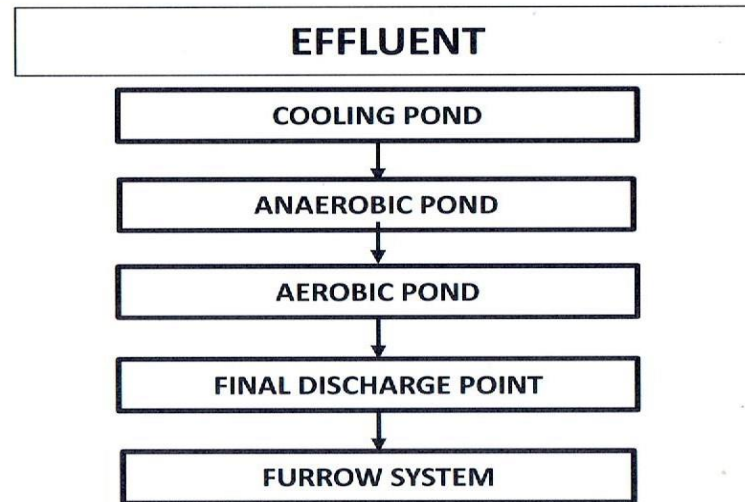
SISTEM PENGOLAHAN EFLUEN

- ▶ **Bilangan kolam rawatan efluen 15 iaitu cooling pond 3, aerobic pond 4, anaerobic pond 8**
- ▶ **Pelupusan efluen ke atas tanah**
- ▶ **Keluasan land disposal 500 ekar iaitu ladang sendiri**

NAM BEE PALM OIL MILL EFFLUENT TREATMENT PROCESS FLOW



NAM BEE CO. SDN BHD (PALM OIL MILL)



OER

am Bee

alm Oil Mill

Select Compliance

2018

Cawangan Kuala Pilah

Select month

Switch to Quarter

of Reports

Premise	DOE No	Treatment System	Branch	Category	Date	Standard Compliance
KILANG KELAPA SAWIT NAM BEE PALM OIL MILL CO. SDN BHD (PYDT KKS)	ASNS(B) 31/152/000/014	POME	Cawangan Kuala Pilah	Palm Oil Mill	Jan 2018	Not Complied

Page 1 of 1, showing 1 records out of 1 total, starting on record 1, ending on 1

The site is best viewed in IE Version 11, Mozilla Firefox or Google Chrome.

Effluent Discharge into Watercourse/Effluent Discharge onto Land (mg/L)

Parameter ***	First Week or First Month	Fifth Week or Second Month	Ninth Week or Third Month	Standard
Sample Date	2018-01-03	2018-02-02	2018-03-01	
Sampling Time	08 : 30 : AM	08 : 30 : AM	08 : 30 : AM	
Weather	Dry	Dry	Dry	
Days of Operation				
Total Discharge over 24 Hours Cubic Metres (m ³)	550	490	640	
Maximum Discharge 1 Hour Cubic Metres (m ³)	40	40	40	
Temperature°C	32.00	32.00	32.00	
pH Value	7.90	8.00	7.90	
BOD ₃ at 30°C	132.00	134.00	193.00	5000
COD	1333.00	1317.00	1980.00	
Total Solids	11214.00	8512.00	10554.00	
Suspended Solids	1244.00	1006.00	1026.00	
Oil and Grease	9.00	5.00	8.00	

COMPETENT PERSON ON EFFLUEN

▶ **Encik Tan Choo Pin**



19/03/2018



19/03/2018



19/03/2018







19/03/2018



ANNUAL FLOW NO
1000000 X 60
1000000
ART: 100 DAYS
DESIGNING DATE

2



KERNEL WEIGHER

Kernel Measurement	
Flowrate	0.00 mt/hr
Today Totalizer (A)	0.00 mt
To-date Totalizer (B)	0.00 mt
Trend	Reset A
	Reset B

EFFLUENT FLOWMETER

Effluent Measurement	
Flowrate	13.20 m ³ /hr
Today Totalizer (A)	22.93 m ³
To-date Totalizer (B)	7769.38 m ³
Trend	Reset A
	Reset B

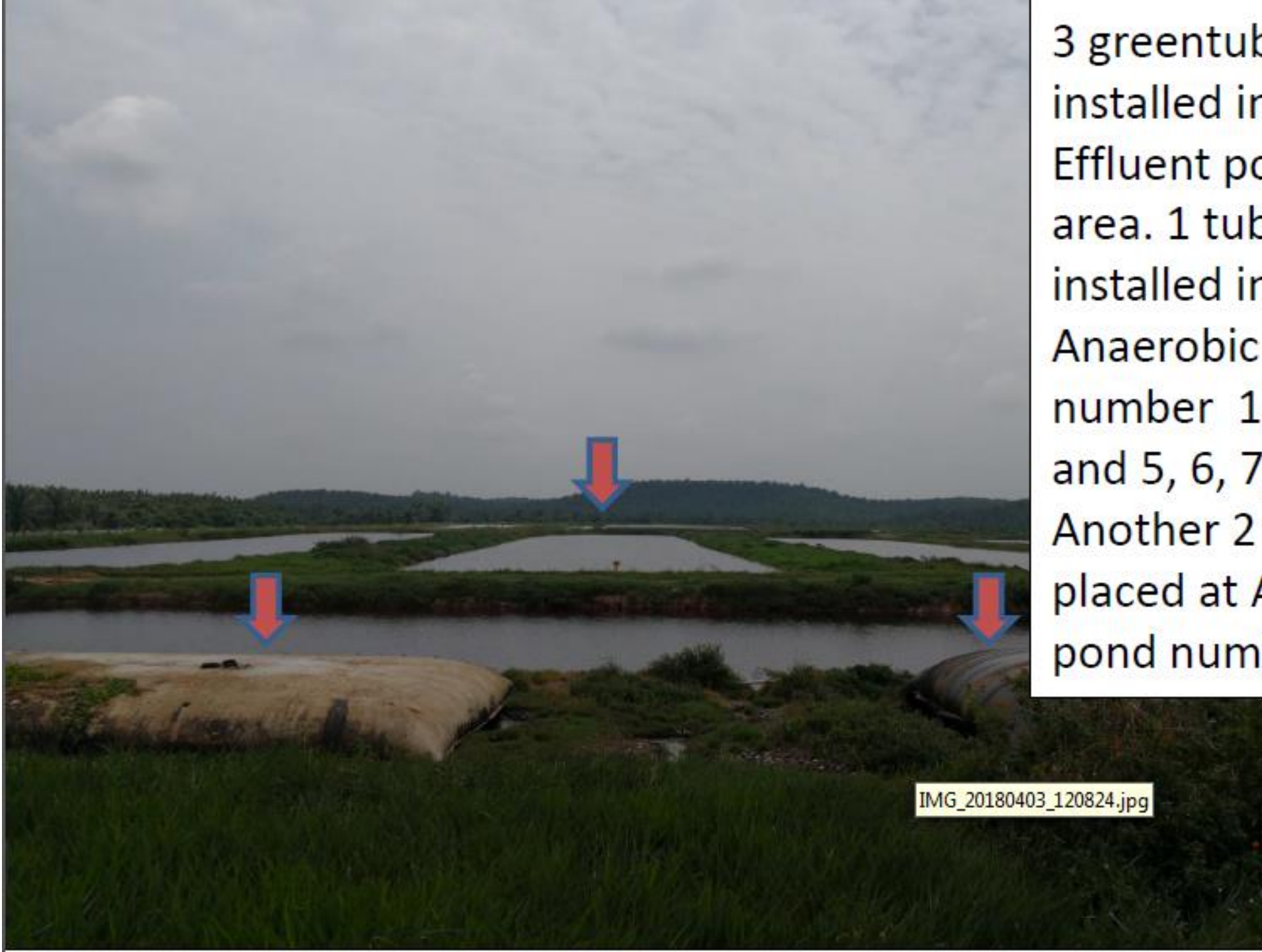
19/03/2018

PRINT

EXIT



3 greentubes are installed in the Effluent pond land area. 1 tube installed in between Anaerobic pond number 1, 2, 3, 4 and 5, 6, 7, 8. Another 2 tubes are placed at Aerobic pond number 1.



IMG_20180403_120824.jpg



The greentube is stiffened by the bunker .

DSCN0431.JPG

30 . 09 . 2016





Effluent and sludge are pump from Anaerobic pond number 1, 4. Then effluent came out from the greentube are directed to Anaerobic pond number 5, 6, 7, 8.



30.09.2016



DSCN0433.JPG

Effluent and sludge are pump from Anaerobic pond number 5, 6, 7, 8. Then effluent came out from the greentube were directed to Aerobic pond number 1.



The greentube will be cut off wide open to take out the trapped sludge.



IMG-20180403-WA0000.jpg



DSCN0450.JPG


The greentube will be sewed back to its original shape by the operator. The tube is reused until it is not applicable.

03.11.2016



DSCN0452.JPG

The dry sludge was kept in open area and will be sent to the estate as compost fertiliser.



IMG_20180403_120515.jpg

ANNUAL FLOW NO
1000000 X 60
1000000
HRT: 12.5 DAYS
DESURGING DATE

2



UDARA

- ▶ **SKPU Sedia ada multicyclone**
- ▶ **Pengeluaran habuk dari cerobong dandang tidak patuh**
- ▶ **Keputusan isokinetic sampling pada 25 Oktober 2017 - 0.3914 mg/m³ at 12 % CO₂ : Dust load (dry at STP) ialah 713.87 kg/day**
- ▶ **Akan memasang ESP dan dijangka siap pada Disember 2018**

▶ **APB: Dandang. Operasi di kawal oleh sistem computer-SCADA. Bahanapi EFB Fiber**

Satu unit janakuasa

Dua unit turbine



Environmental Science (M) Sdn. Bhd. (238717-D)

GST ID No. 001525530624

Head Office : No. 9, Persiaran Industri, Bandar Sri Damansara, 52200 Kuala Lumpur, Malaysia.

Tel: 03-62736013 Fax: 03-62759325 E-mail: general@esm.com.my Website: www.esm.com.my

Penang Office : No. 67, Jalan IKS, Taman IKS, Bukit Tengah, 14000 Bukit Mertajam, Seberang Perai Tengah, Penang.
Tel: 04-5085600 Fax: 04-5079984 E-mail: enviscpenang@gmail.com

Kuantan Office: B2, Jalan Gebeng 2/7, Kawasan Perindustrian Gebeng, 26080 Kuantan, Pahang, Malaysia.
Tel: 09-5838460/1/2 Fax: 09-5838463 E-mail: kuantan@esm.com.my

7

*Measurement of Dust Particulate Concentration
(Malaysian Standard 1596:2003)*

For

*Nam Bee Co., Sdn. Berhad
(Palm Oil Mill Division)*

At

*Air Kuning Selatan,
73200 Gemencheh,
Negeri Sembilan Darul Khusus.*



Our Ref No. : L-KL-NC1710CNB - 0471
Sampling Date : 25th October 2017
Reporting Date : 31st October 2017

Isokinetic sampling was conducted for Stack 1 on 25th October 2017 to determine particulate concentration in the flue gas leading from a boiler. The dust particulate concentration is tabulated as follows:

Stack	Source Description	Dust Particulate Concentration (gm/Nm ³)	DOE License Approval Condition (gm/Nm ³)
S1	Boiler 1 (NS PMD 1075)	0.2473 at 7.6% CO ₂	
		0.3914 at 12.0% CO ₂	

The dust particulate concentration recorded (after corrected to 12% CO₂) is 0.3914 gm/Nm³, which is below the DOE License Approval Condition limit of 0.4 gm/Nm³.

rial proc-
om coins
ery, heavy
and solid
and may

VIII

	2	He
4	4.0026	
10	10	Ne
20.180		
18	18	Ar
39.948		
36	36	Kr
83.80		
54	54	Xe
131.29		
86	86	Rn
(222)		

	70	Yb
173.0		
	102	No
(259)		

- HOME
- INDUSTRIAL PREMISES MANAGEMENT
- DATA POOLING MANAGEMENT
- REPORTING
 - Limit Exceedance Report
 - Data Report
 - Pooling Report
 - Overall Summary Data
- USER MANAGEMENT
- SYSTEM MANAGEMENT
- Logout

PREMISE DATA AND REPORT

NAM BEE PALM OIL MILL SDN. BHD
AIR KUNING SELATAN, GEMENCHEH

Data Type : Monthly

Date : Mei Month 2018 Year

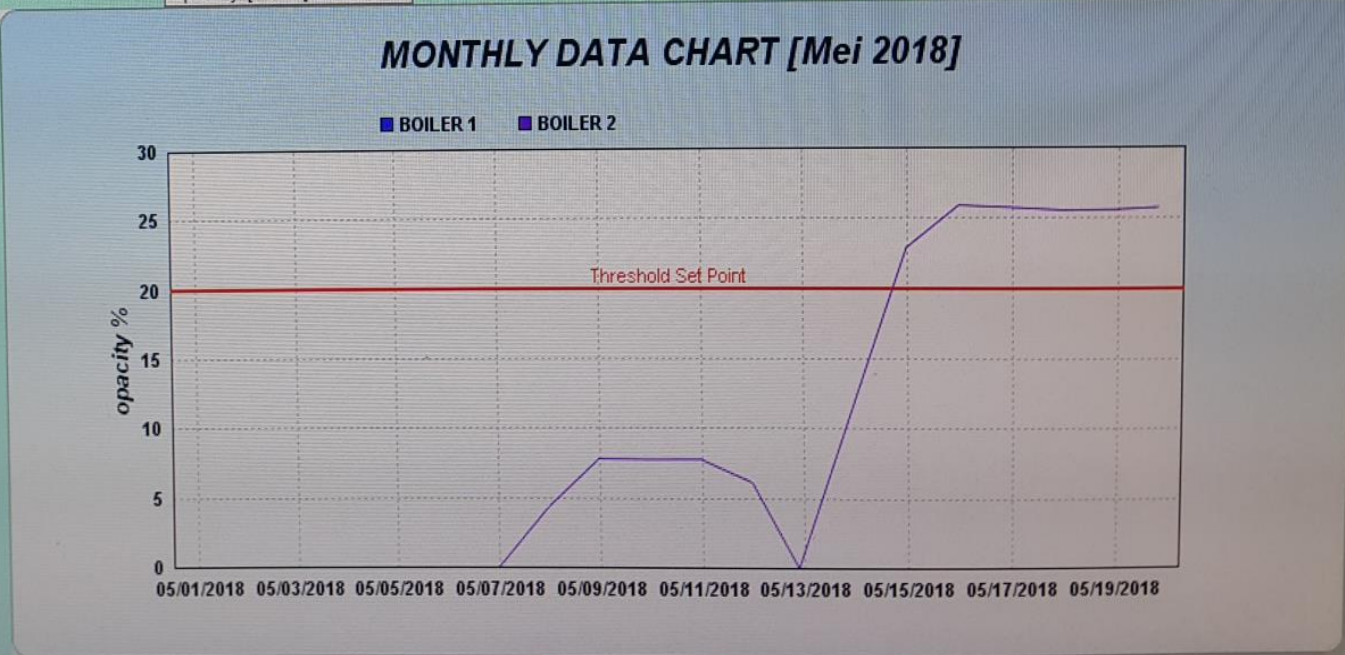
Submit Reset

MONTHLY DATA REPORT [May 2018]

Chart BOILER 1 BOILER 2

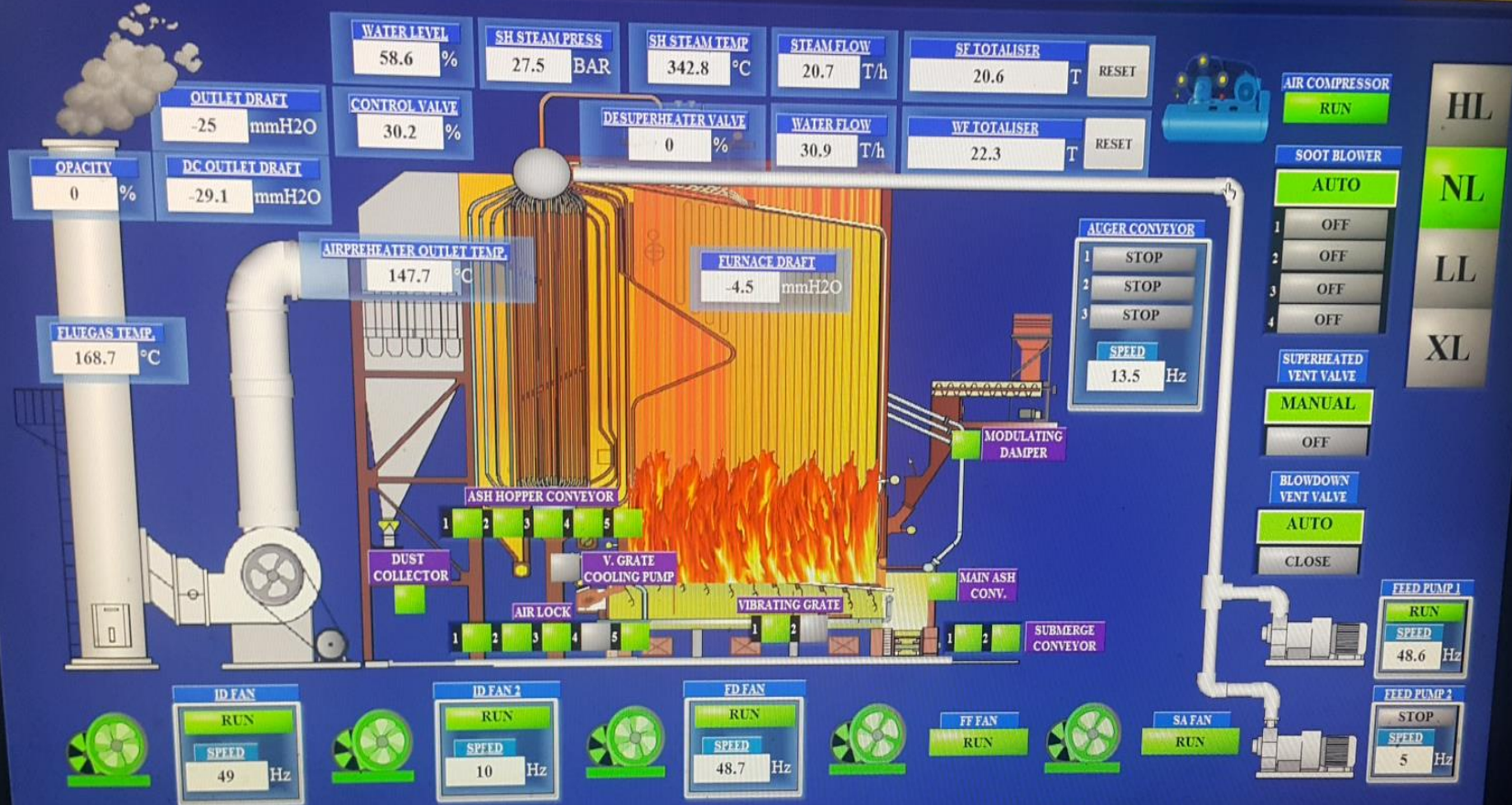
Stack BOILER 1 BOILER 2

Parameter opacity [20 %]



ID Fan	SA Fan	Feed Pump	FF Mod. Damper	V. Grate	Ash Hopper	V.G. Pump	Air Lock
FD Fan	FF Fan	FF Conv.	Air Compressor	Dust Collector	Sub. Ash Conv.	Main Ash Conv.	

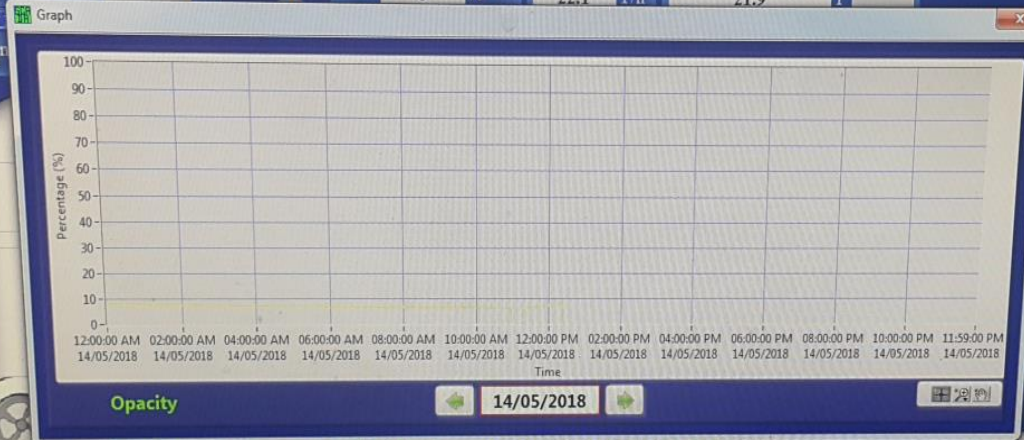
Connection **NL**



[Main Page](#)
[Historical Chart](#)
[Circular Chart](#)
[Alarm](#)
[Report](#)
[Logging Report](#)
[Setting](#)
[Log In](#)
[Log Out](#)



WATER LEVEL 52.3 %	SH STEAM PRESS 26.4 BAR	SH STEAM TEMP 337.1 °C	STEAM FLOW 19.1 T/h	SF TOTALISER 20.3 T RESET
OUTLET DRAFT -24.4 mmH2O	CONTROL VALVE 25.9 %	DESUPERHEATER VALVE 0 %	WATER FLOW 22.1 T/h	WF TOTALISER 21.9 T RESET



AIR COMPRESSOR
RUN

SOOT BLOWER
AUTO
1 OFF
2 OFF
3 OFF
4 OFF

SUPERHEATED VENT VALVE
MANUAL
OFF

BLOWDOWN VENT VALVE
AUTO
CLOSE

HL

NL

LL

XL

ID FAN
RUN
SPEED 48.9 Hz

ID FAN 2
STOP
SPEED 0.4 Hz

ED FAN
RUN
SPEED 48.7 Hz

FF FAN
RUN

SA FAN
RUN

FEED PUMP 1
RUN
SPEED 48.6 Hz

FEED PUMP 2
STOP
SPEED 5 Hz



NORMAL ALARM REC

ULTRA AUTOMATION SON BHD
 MODEL SKU-SDM-V2
 WEBSITE www.ultrasd.com

MRN50 MAGTECH

0.3

* SETUP PARAMETER *
 TAG NAME ON 1 ON 2
 UNIT LOW -
 RANGE 0-100.00 -
 SCALE 0.0-100.0 -
 ALARM 1 HIGH HIGH
 SCALE 100.0 100.0
 ALARM 2 LOW LOW
 SCALE 0.0 0.0
 INTERFACE RS485 Modbus RTU

WEBSITE: www.magtechgroup.com
 COMPANY NAME: MAGTECH(M) Sdn Bhd

* HISTORICAL LOG *
 DATE 10-14-18 11:30:08

* SETUP PARAMETER *
 TAG NAME ON 1 ON 2
 UNIT LOW -
 RANGE 0-100.00 -
 SCALE 0.0-100.0 -
 ALARM 1 HIGH HIGH
 SCALE 100.0 100.0
 ALARM 2 LOW LOW
 SCALE 0.0 0.0
 INTERFACE RS485 Modbus RTU

WEBSITE: www.magtechgroup.com
 COMPANY NAME: MAGTECH(M) Sdn Bhd

10-14-18 0.0 - 100.0
 10-14-18 0.0 - 100.0
 10-14-18 0.0 - 100.0

BHD
2768876

PENGURUSAN BT

- ▶ **SW 325 Waste Oil:**
- ▶ **Data bulan April 2018-1.811 mt: Digunakan semula untuk *roller chain* dalam kilang**
- ▶ **SW 410 Used Glove/rags**
- ▶ **Data bulan April 2018 0.03 mt**
- ▶ **Tiada competent person**

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

1. IDENTIFICATION

FILE REFERENCE NO: ASNS(0)3/152/000/014

INVENTORY NO: 0506N0615476152018

(1) PREMISE NAME: KILANG KELAPA SAWIT NAM BEE PALM OIL MILL CO. SDN BHD (PYDT KKS) (KILANG KELAPA SAWIT NAM BEE PALM OIL MILL CO. SDN BHD (PYDT KKS))

PREMISE ADDRESS: AIR KUNING SELATAN

STATE: GEMENCHEH, . . .

NEGERI SEMBILAN

STATUS: SUBMIT

INVENTORY OF SCHEDULED WASTES FOR THE MONTH OF: MAY

INVENTORY OF SCHEDULED WASTES FOR THE YEAR OF: 2018

#	DATE (a)	*WASTE CATEGORY CODE	WASTE OF NAME	BALANCE B/F (m ³)	*QUANTITY GENERATED (m ³)	METHOD (b)	QUANTITY (m ³)	WASTE HANDLING QUANTITY (m ³)	PLACE (c)
1	16/05/2018	SW305	milyak pelincir terpakai	0.0070	1.9110	Reused	0.0300	1.8090	
2	16/05/2018	SW410	cotton rag / glove	0.0000		Reused		0.0300	

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 hereby 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 *** MR. CHUAH BENG SUN

NRIC No. 740317-07-9339

DESIGNATION Manager

DATE 16/05/2018

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

NAM BEE PALM OIL MILL
PASTE LABEL AS IN THE THIRD
SCHEDULE OF ENVIRONMENT
QUALITY (SCHEDULED WASTES)
REGULATIONS
2005



PEMATUHAN GSR

- ▶ **Telah mematuhi kesemua Tujuh Environmental Tools**

TINDAKAN JASNS 2017 - 2018

- **Tiada NA dan kompaun dikeluarkan dari Jun 2017 hingga Mei 2018**
- **Tiada IP**

ULASAN & SYOR

- ▶ Kilang mematuhi AKAS 1974, Peraturan-Peraturan Kualiti Alam Sekeliling (Premis Yang Ditetapkan)(Minyak Kelapa Sawit Mentah) 1977
- ▶ **Syarat-Syarat Lesen 01 Julai 2017-Jun 2018**
- ▶ **Akan mematuhi PUB 2014**
Syor pembaharuan lesen diluluskan

Terima kasih

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the frame, creating a modern, layered effect against the white background.