



**DUPONT & LEOSK ENTERPRISE
SDN.BHD.**

**GEDOK MAS PALM OIL MILL
LOT 2878 MUKIM GEMENCHEH
70000 TAMPIN
NEGERI SEMBILAN DARUL
KHUSUS**



20/02/2018



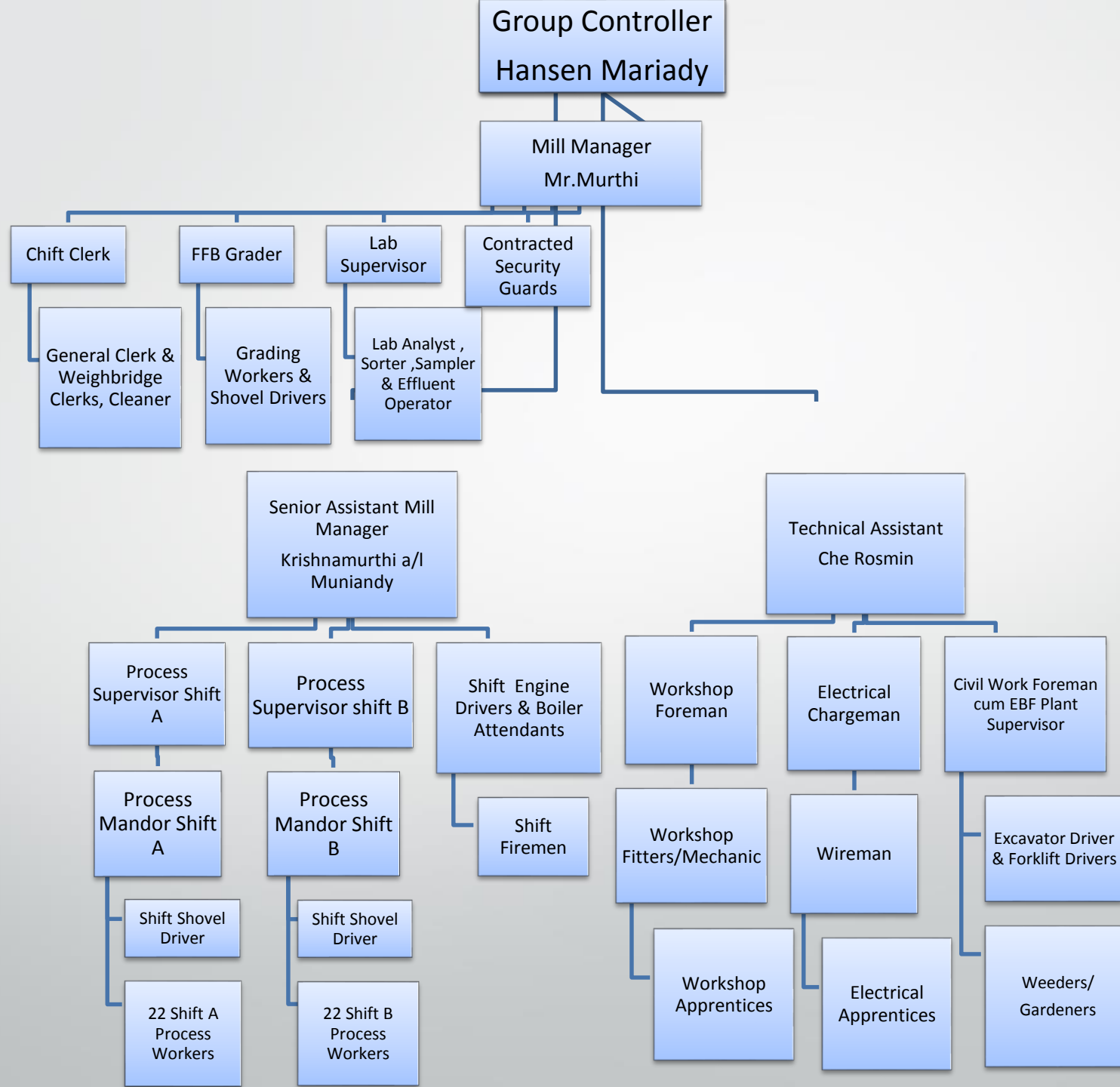
Map

Satellite

DUPONT & LEOSK
ENTERPRISES SDN...



Google



LATARBELAKANG KILANG

- **Mula beroperasi pada 27 Januari 2011**
- **PAT diluluskan pada 23 Julai 2008**
- **Kapasiti pemprosesan FFB:45 mt/hr**
- **Pelupusan efluen 70% alur air dan 30% atas tanah iaitu diladang sawit milik perseorangan.**

LAWATAN PENGUATKUASAAN

TARIKH	TINDAKAN
15 Ogos 2017	FC: House keeping memuaskan
30 Oktober 2017	FC: House keeping memuaskan & baiki platform meter influen flowrate meter
20 Februari 2018	FC: House keeping memuaskan
30 April 2018	FC: House keeping memuaskan & pastikan tiad <i>leachate</i> keluar dari kolam

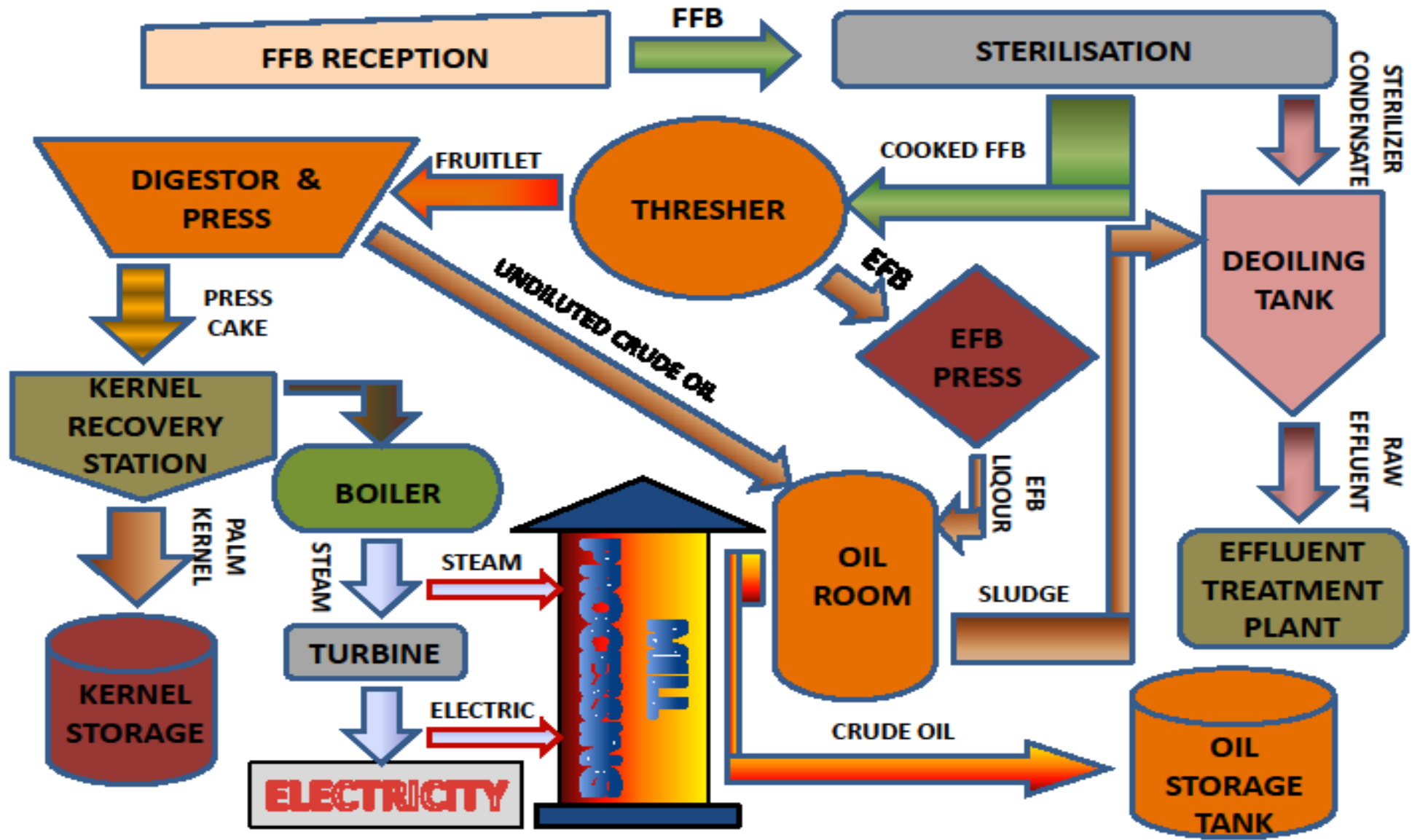
PENGURUSAN EFLUEN

KAPASITI FFB DIPROSES JAN –APRIL 2018

JANUARI	28106.64 MT.HR
FEBRUARI	16732.38 MT/HR
MAC	19490.80 MT/HR
APRIL	17681.76 MT/HR

GEDOK MAS PALM OIL MILL

PROCESSING FLOWCHART





SISTEM PENGOLAHAN EFLUEN

- **Sludge Pit/tank-1**
- **Mixing/Cooling Pond-2**
- **Anaerobic Ponds- 5**
- **Aerobic Ponds – 3**
- **Treated Pond-1**
- **Polishing Pond-1**
- **Leachate Pond-1**

GEDOK MAS PA... MILL
 FLOWMETER (m³) RECORD
 MONTH : APRIL 2018

DATE	WATER TREATMENT		MILL RAW EFFLUENT		FINAL DISCHARGE WATER COURSE		FINAL LAND APPLICATION	
	FLOWMETER	m ³	FLOWMETER	m ³	FLOWMETER	m ³	FLOWMETER	m ³
1	1284934	177	874200	249	348456	121	260959	0
2	1285111	485	874449	529	348577	89	260959	0
3	1285596	856	874978	0	348666	768	260959	0
4	1286452	537	874978	413	349434	277	260959	0
5	1286989	457	875391	661	349711	0	260959	0
6	1287446	548	876052	531	349711	0	260959	0
7	1287994	549	876583	316	349711	0	260959	0
8	1288543	148	876899	90	349711	0	260959	0
9	1288691	522	876989	587	349711	0	260959	0
10	1289213	556	877576	400	349711	933	260959	0
11	1289769	642	877976	535	350644	0	260959	0
12	1290411	474	878511	591	350644	0	260959	0
13	1290885	541	879102	454	350644	0	260959	0
14	1291426	498	879556	47	350644	0	260959	0

No	Premise	DOE No	Treatment System	Branch	Category	Date	Standard Compliance
1	KILANG KELAPA SAWIT GEDOK MAS (PYDT KKS)	ASNS(B) 31/152/000/020	Ponding plus secondary batch forced aeration treatment (70%) & Land disposal (30%)	Cawangan Kuala Pilah	Palm Oil Mill	Jan 2018	Complied Detail
2	KILANG KELAPA SAWIT GEDOK MAS (PYDT KKS)	ASNS(B) 31/152/000/020	Ponding plus secondary batch forced aeration treatment (70%) & Land disposal (30%)	Cawangan Kuala Pilah	Palm Oil Mill	Oct 2017	Complied Detail
3	KILANG KELAPA SAWIT GEDOK MAS (PYDT KKS)	ASNS(B) 31/152/000/020	Ponding plus secondary batch forced aeration treatment (70%) & Land disposal (30%)	Cawangan Kuala Pilah	Palm Oil Mill	Jul 2017	Complied Detail
4	KILANG KELAPA SAWIT GEDOK MAS (PYDT KKS)	ASNS(B) 31/152/000/020	Ponding plus secondary batch forced aeration treatment (70%)	Cawangan Kuala Pilah	Palm Oil Mill	Apr 2017	Complied Detail

Discharge

Method Of Discharge

continuous

Time Of Discharge

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	2018-01-16	2018-02-01	2018-03-07	
Sampling Time	10 : 40 : AM	10 : 20 : AM	10 : 30 : AM	
Weather	Cloudy	Dry	Cloudy	
Days of Operation	26	18	24	
Total Discharge over 24 Hours Cubic Metres (m ³)	1378.74	360.75	312.19	
Maximum Discharge 1 Hour Cubic Metres (m ³)	44.75	12.88	13.01	
Temperature°C	28.00	29.40	28.80	45
pH Value	8.39	8.14	8.70	Min[5] Max[9]
BOD ₃ at 30°C	10.00	2.00	13.00	20
COD	100.00	92.00	59.00	0
Total Solids	710.00	635.00	550.00	0
Suspended Solids	13.00	16.00	75.00	400
Oil and Grease	1.00	1.00	1.00	50





30/04/2018



30/04/2018

I/A Series

RATE
+ 62.56

IMT25

RESET

HELP SHIFT CHANGE

ACK

POLISHING PLANT



COOLING POND 2
SIZE : 50 X 30 X 4.5
VOLUME : 6750 m³
RETENTION TIME : 7 DAYS
LAST DESLUDGING :

30/04/2018





20/02/2018

AEROBIC POND 3

SIZE : 60 X 30 X 5.5

VOLUME : 9900 m³

RETENTION TIME : 5 DAYS

LAST DESLUDGING :

30/04/2018



30/04/2018

LAND DISPOSAL POND

SIZE : 14 X 14 X 3.0

VOLUME : 588 m³

LAST DESLUDGING :

20/02/2018



SUNGAI SELBELUM EELLUENT



GMPOM



20/02/2018

LEACHED POND

SIZE : 11 X 87 X 2.0

VOLUME : 1914 m³

LAST DESLUDGING :


30/04/2018



30/04/2018

UDARA

- **Sedia ada: Multicyclone**
- **Pematuhan PUB 2014 .Kepekatan habuk 150 mg/m³ akan memasang wet scrubber atau Vosep**



APB: Dandang. Bahanapi Fiber EFB
Janakuasa : Diesel
Turbine 2 unit



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: enviscopenang@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



Dupont & Leosk Enterprises Sdn. Bhd.

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

And

Dark Smoke Observation

For

Kilang Kelapa Sawit Gedok Mas

At

*Lot 2878, Mukim Gemencheh,
Daerah Tampin,
73200 Gemenech, Negeri Sembilan.*

*Our Reg No. : L-KL-NC1804NGM - 0384
Monitoring Date : 19th April 2018
Reporting Date : 24th April 2018*

5.0 INFERENCE

Dust particulate concentration recorded for Stack 1 – Boiler at 12.0% CO₂ was higher than the DOE license approval condition No. 21 limit of 0.4 gm/Nm³. The calculated dust load was 1254.58 kg/day.

Stack	Source Description	Dust Particulate Concentration, gm/Nm ³	DOE License Approval Condition No. 21, gm/Nm ³
1	Boiler	0.3409 at 6.6% CO ₂	-
		0.6166 at 12.0% CO ₂	0.4

Dark smoke observation showed that the flue gas emission from this stack did not exceeded the Ringelmann Chart shade No. 2 throughout the observation period.

4.1.3 Dust Load

The calculated dust load for Stack 1 – Boiler is tabulated as below:

Stack	Dust Load at 12% CO ₂ (dry, STP), kg/day
1 Boiler	1254.58

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

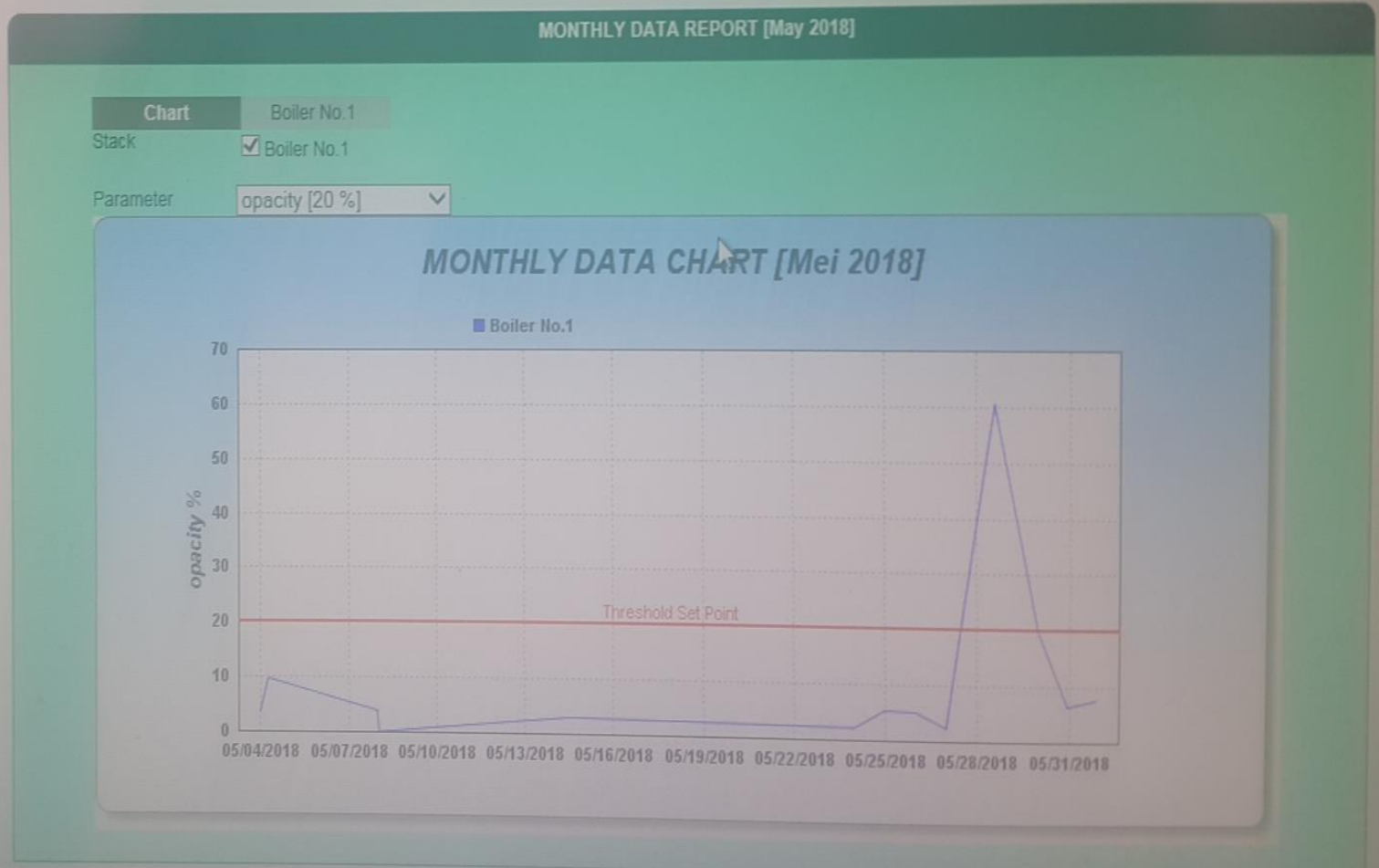
PREMISE DATA AND REPORT

KILANG KELAPA SAWIT GEDOK MAS
PT 2878, MUKIM GEMENCHEH, DAERAH TAMPIN

Data Type : Monthly

Date : Mei Month 2018 Year

Submit Reset





30/04/2018



20/02/2018



30/04/2018



Sentinel **Rototherm**

CONTROLLER
CHIMNEY CONTROL



PV **276** **363**
OUT

16-4-18
F-D Controller
Barn

ID CONTROLLER

PV **498** **400**
OUT

ID CONTROLLER
AUTO OFF MANUAL

NORMAL MUTE ALARM [CE]

8.8.8.8
8.8.8.8

30/04/2018

PENGURUSAN BT

- **SW305**
- **Belum ada competent person**

SW 305



30/04/2018



30/04/2018

**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) 317-521000020
INVENTORY NO:	0506N2945162015
(B) PREMISE NAME:	KILANG KELAPA SAWIT BENDOK MAS (PMT KK5) (RE ANS KELAPA SAWIT BENDOK MAS (PMT KK5))
PREMISE ADDRESS:	BENDOK MAS PALY OL MILL LOT 2876, MUKY GEMENCHER, ...
STATE:	NEGERI SEMPURAN
STATUS:	SUBMIT
INVENTORY OF SCHEDULED WASTES FOR THE MONTH OF:	JUNE
INVENTORY OF SCHEDULED WASTES FOR THE YEAR OF:	2018

#	DATE OF	WASTE CATEGORY CODE	WASTE OF NAME	BALANCE BM (MT)	QUANTITY GENERATED (MT)	WASTE HANDLING		
						METHOD (14)	QUANTITY (MT)	PLACE (17)
1	06/05/2018	SW305	MIRPAK TERPAKAT	0.1750	0.0000	Reused	0.1750	

Notes:

- a. Inventory of the current generation of scheduled wastes
- b. Date when the scheduled wastes are first generated
- c. Stored, processed, recycled for materials or product from such scheduled wastes, incinerated, oxidized or other methods (specify)
- d. 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 (14)	MR. STEVEN
NRIC No:	-
DESIGNATION	Supervisor
DATE	06/05/2018

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

TINDAKAN JAS JULAI 2017- JUN 2018

- Satu NA

ULASAN & SYOR

- Kilang mematuhi AKAS 1974, Peraturan-Peraturan Kualiti Alam Sekeliling(Premis Yang Ditetapkan)(Minyak Kelapa Sawit Mentah) 1997
 - Mematuhi syarat-syarat lesen
 - Akan mematuhi PUB 2014 dengan pemasangan ESP
 - House keeping yang memuaskan
- Syor pembaharuan lesen diluluskan**



Terima kasih