

**KUALA LUMPUR KEPONG BERHAD
KILANG KELAPA SAWIT JERAM PADANG
72100 BAHAU
NEGERI SEMBILAN**

TEL NO : 06-4544922

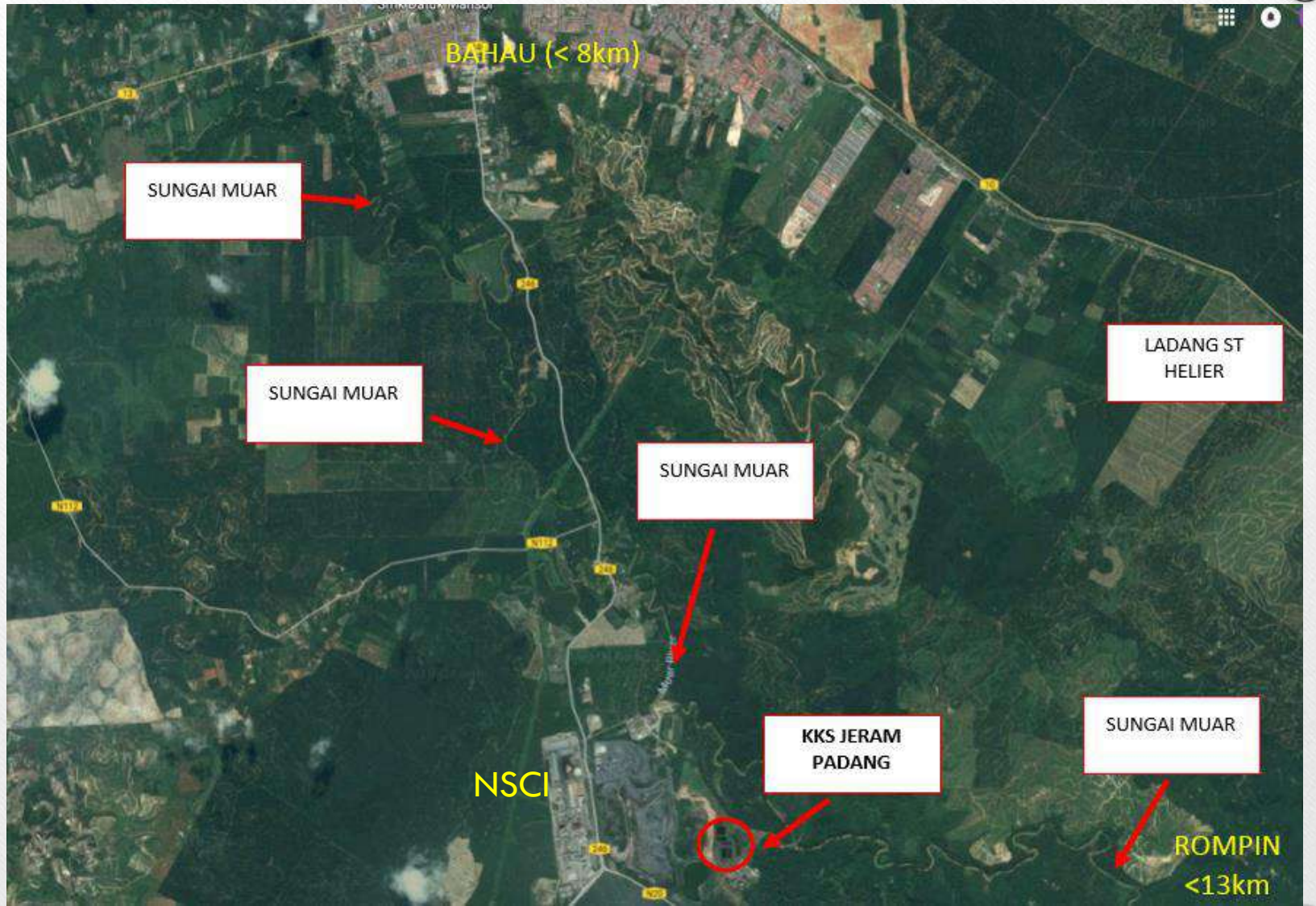
FAX NO : 06-4542101

email- kksjpadang@klk.com.my

NO. FAIL : ASNS(B)31/152/000/004

NO. LESEN : 004097





BAHAU (< 8km)

SUNGAI MUAR

SUNGAI MUAR

SUNGAI MUAR

LADANG ST HELIER

KKS JERAM PADANG

SUNGAI MUAR

NSCI

ROMPIN < 13km

MANAGEMENT CHART

EXECUTIVE LEVEL



MANAGER
CHEAH SENG CHEW



**SENIOR
ENGINEER**

SYAKUR



TECH. ASSISTANT
S. MATHIALAGAN



ASST. ENGINEER
KAMAL FAWWAZ



ADMIN. ASST
NABISA JAMIL



ASSISTANT
ZALMANN SAFAIN

LATAR BELAKANG KILANG

Pemegang	Kuala Lumpur Kepong Berhad
Mula beroperasi	1989 (29 tahun)
Jenis keluaran	Minyak sawit mentah & Isi Rong
Kapasiti maksimum pemrosesan (syarat lesen)	55 MT (FFB) sejam
Purata kapasiti proses sebenar (Bergantung kepada FFB)	54-55 MT/jam 750 MT/hari – 13-14 jam proses
Purata kadar alir efluen mentah	Purata 476 m ³ /hari
Kadar alir efluen maksimum KB SPE	1320 m ³ /hari
Pelepasan efluen	Atas tanah

PROSES KILANG



WEIGHBRIDGE



LOADING RAMP



AUTOFEEDER



STERELIZER



THRESHER



FRUIT

DIGESTER



EFB

USB COLLECTION



PRESS

OIL ROOM

KERNEL PLANT

OIL ROOM



OIL PURIFICATION



OIL PURIFIER



VACUUM DRYER



STORAGE TANK

**OIL RECOVERY & SLUDGE
DISPOSING**



OIL SEPARATOR



DEOILING TANK

**OIL RECOVER PUMP BACK
TO CLARIFICATION TANK**



EFFLUENT POND

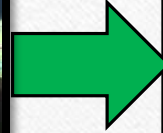
KERNEL PLANT/RECOVERY

FROM PRESS MACHINE



NUT POLISHING DRUM

FIBER



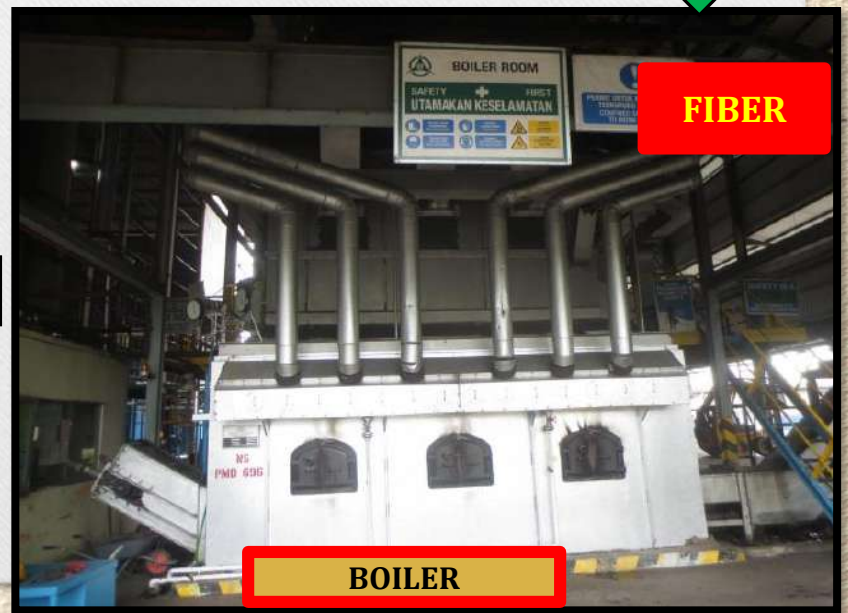
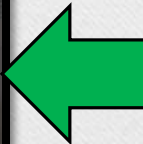
FIBRE CYCLONE

**FIBER FUEL & POWER
GENERATION**



ENGINE ROOM

STEAM



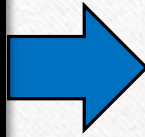
FIBER

BOILER

FROM PRESS MACHINE



NUT POLISHING DRUM



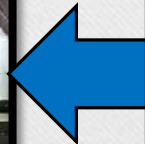
DESTONER



KERNEL RECOVERY/PLANT



LTDS (LIGHT TRANSMISSION DUST AND SHELL)



RIPPLE MILL





CLAYBATH

KERNEL



KERNEL SILO

KERNEL RECOVERY/PLANT

KERNEL

SHELL



BOILER



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.

ORANG YANG BERWIBAWA

CePSWaM

CHEAH SENG CHEW

Pengurus kilang

Telah hadir kursus dan lulus

Dalam proses FTR



STOR BAHAN BUANGAN BERJADUAL
UTAMAKAN KESELAMATAN

Gunakan sarung tangan	Gunakan masker	Jauhkan api	Jauhkan rokok	Jauhkan makanan dan minuman

2022 10/10/2022



SW 305
WASTE ENGINE OIL

SW 306
WASTE HYDROLIC OIL



LABEL PADA BEKAS



WASTE CODE	: 90 409
WASTE NAME	: E-drum
DATE GENERATED	: Apr 2018
NAME OF WASTE GENERATOR	:
ADDRESS AND TELEPHONE NUMBER	: KKS J, PDG

SW 322
USED HEXANE

SW 410
GLOVE, RAGS, FILTER



1.IDENTIFICATION

FILE REFERENCE NO:	ASNS(B)31/152/000/004
INVENTORY NO	0507N0215102152018
(i) PREMISE NAME	KILANG KELAPA SAWIT JERAM PADANG (KKS JERAM PADANG)
PREMISE ADDRESS	BATU 7 JALAN BAHAU-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 ^(a)	*WASTE CATEGORY CODE	WASTE OF NAME	BALANCE B/F (mT)	*QUANTITY GENERATED (mT)	WASTE HANDLING		
						METHOD ^(b)	QUANTITY (mT)	PLACE ^(c)
1		SW305	minyak pelincir	0.4070	0.0000			
2		SW306	minyak hydraulic	0.7290	0.0000			
3		SW322	HEXANE	0.2890	0.0000			
4		SW324	larutan bahan kimia	0.0000	0.0000			
5		SW409	bekas bahan kimia	0.3160	0.0000			
6		SW410	sarung tangan,rags	0.0250	0.0000			

PEMATUHAN PPKAS (UB) 2014

PEMATUHAN PPKAS (UB) 2014

- Pematuhan kepada PPKAS (UB) 2014 memuaskan.
- Keputusan percontohan cerobong telah mematuhi PPKAS (UB) 2014
- Walau bagaimanapun, kilang ini sedang dalam perancangan bagi menambahbaik SKPU

KILANG KELAPA SAWIT JERAM PADANG
BATU 7, JALAN BAHAU-ROMPIN

Data Type : Monthly ▾

Date : Jun ▾ Month 2018 ▾ Year

Submit

Reset

MONTHLY DATA REPORT [Jun 2018]

Chart

STACK 1

Stack 2

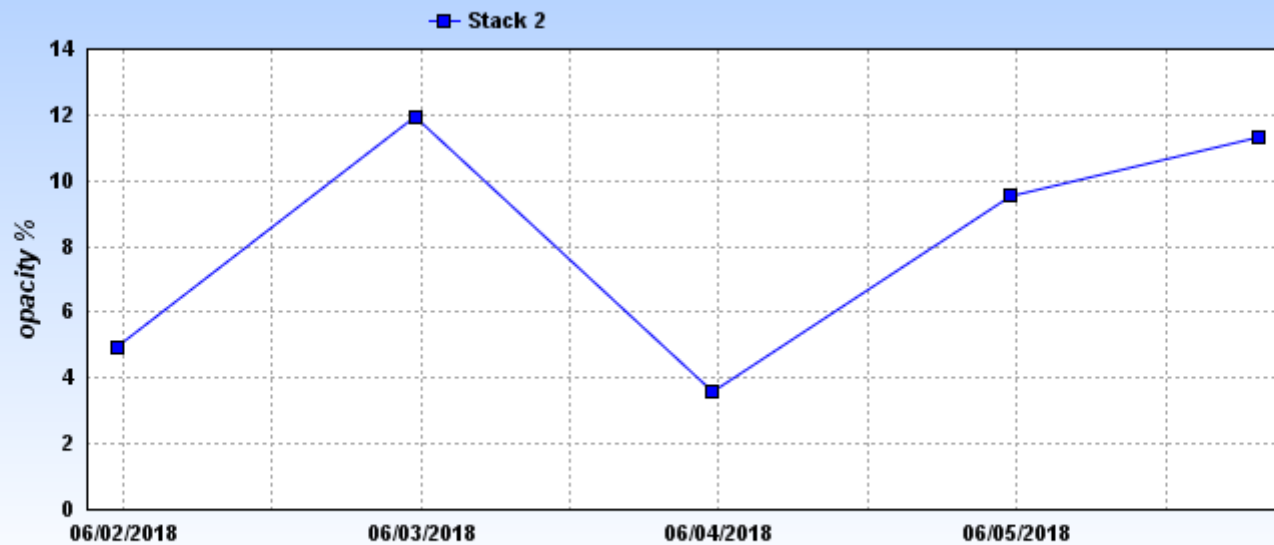
Stack

 STACK 1 Stack 2

Parameter

opacity [20 %] ▾

MONTHLY DATA CHART [Jun 2018]



STACK EMISSION MONITORING REPORT

IN COMPLIANCE TO REGULATION 12 & 13
UNDER
MALAYSIAN ENVIRONMENTAL QUALITY (CLEAN AIR)
REGULATIONS, 2014



**KUALA LUMPUR KEPONG BERHAD,
KILANG KELAPA SAWIT JERAM PADANG,
72100 BAHAU,
NEGERI SEMBILAN DARUL KHUSUS.**

Monitoring Date: 19th March 2018

Prepared By



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e-mail : procomenviro@gmail.com
website : www.procoma.com.my

KUALA LUMPUR KEPONG BERHAD (KKS Jeram Padang)
ANNUAL CYCLIC STACK EMISSION MONITORING REPORT



5.3 Emission Test Result of Dust Concentration

Point:	Unit	Chimney for Boiler No. 2
Total volume of floc gas sampled (dry condition)	m ³ N	3.0297
Filter Marking	-	0173
Initial Thimble Weight	g	3.3882
Final Thimble Weight	g	3.6421
Mass of Dust Particulate	g	0.2539
Dust Particulate Concentration at 12% CO ₂	mg/m ³ N	93.10

Point	Result Obtained	DOE Standards Limit (mg/m ³)
Dust Particulate	83.791 mg/m ³	150 mg/m ³
Dust Particulate Corrected to 12% CO ₂	93.10 mg/m ³	150 mg/m ³

5.4 Emission Test Result of Gases Concentration

Test Parameter	Monitoring Result	Standard limit
Nitrogen Dioxide, NO ₂	< 2.05 mg/m ³	500 mg/m ³
Nitrogen Oxide, NO	2.68 mg/m ³	Not Available
Sulphur Dioxide, SO ₂	8.58 mg/m ³	500 mg/m ³
Carbon Dioxide, CO ₂	10.80 %	Not Available
Carbon Monoxide, CO	625 mg/m ³	1000 mg/m ³
Oxygen, O ₂	15.30 %	Not Available

CEROBONG DARI DANDANG



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 & OER sentiasa dikemaskini – patuh
- Mempunyai OYB

ORANG YANG BERWIBAWA CePPOME

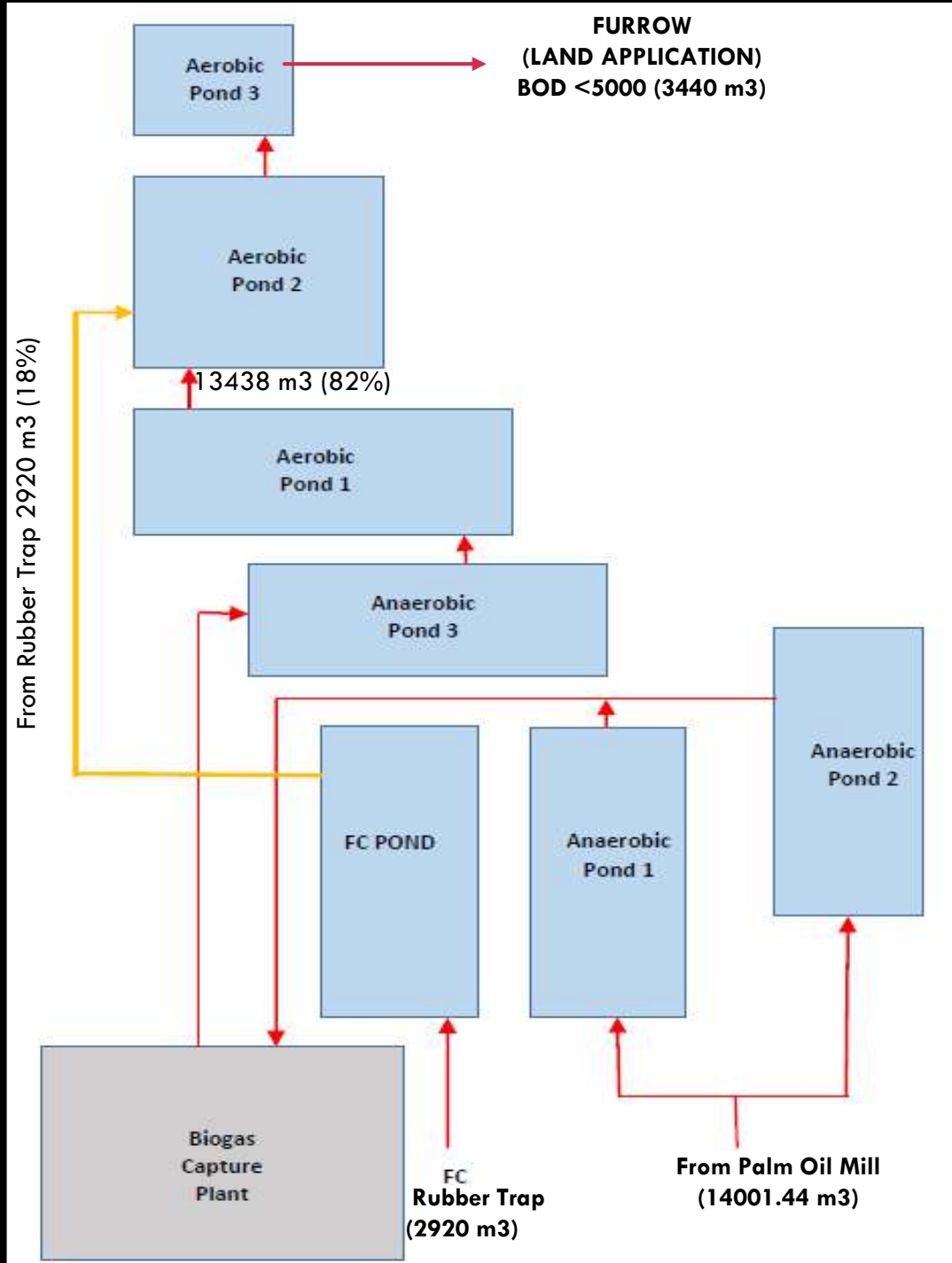
CHEAH SENG CHEW

Pengurus kilang

Telah hadir kursus dan lulus

Dalam proses FTR

CARTA ALIR SPE



ANALISA KUALITI SETIAP KOLAM SPE

* based on average figure on April 2018

Pond	Deolining Tank (Outlet)	Anaerobic Pond No 2 (To biogas plant)	Biogas plant (Outlet)	Anaerobic Pond No 3 (Outlet Pipe)	FC Pond (Outlet Pipe)	Aerobic No 1 (Outlet Pipe) Before Rubber Effluent	Aerobic No 2 (Outlet Pipe) Rubber Effluent pump in	Aerobic no 3 (Outlet Pipe) After Rubber Effluent
BOD	38900	35600	5600	490	76	208	192	113
COD	70236	70188	9489	1719	123.85	1445	1290	1155
Total nitrogen	-	-	-	308	109	188	184	145
Ammoniacal Nitrogen	-	-	-	242	76	139	286	105

FLOWRATE EFLUENT

Pond	From Palm oil Mill	Aerobic No 1 to Aerobic No 2	From FC Pond to Aerobic No 2	Final discharge Pump
Flow rate pumping (m3 per month)	14001.44	13438 (82%)	2920 (18%)	3440

SISTEM PENGOLAHAN EFLUEN

FC POND



ANAEROBIC POND



SISTEM PENGOLAHAN EFLUEN

AEROBIC POND 1



AEROBIC POND 2



SISTEM PENGOLAHAN EFLUEN

AEROBIC POND 3

TPA – PUMP HOUSE (AEROBIC
POND 3



**PELEPASAN ATAS TANAH
SISTEM FURROW**







SECTION L

TOTAL ROW : 16

TOTAL FURROW : 208

BELT PRESS SYSTEM



BIOGAS PLANT



LAWATAN DAN TINDAKAN PENGUATKUASAAN

SIASATAN PENGUATKUASAAN DALAM TEMPOH LESEN

TARIKH LAWATAN	HASIL PEMERIKSAAN	TINDAKAN JAS	TINDAKAN PREMIS
18/08/17	(GSR-DESKTOP) EMT 7/7	Pantau pelaksanaan EMT	Sentiasa kemasikini EMT
20/11/17	Hanya ada CCTV di premis tetapi tidak disambungkan ke JAS Tiada pelepasan efluen ke furrow semasa pemeriksaan	NOTIS SEKSYEN 31 Memasang kamera litar tertutup (CCTV) bagi memantau pelepasan asap hitam dari cerobong dandang dan menyambungkan ke JAS secara on line.	Premis telah beri maklumbalas dan merujuk kepada JAS HQ. Akan sambungkan apabila JAS bersedia
15/03/18	SPE ada label,benteng,ada buat pm. Pelepasan ke furrow direkodkan. Furrow ada label dan diselenggara. Pengurus baharu telah hadir kursus ttpi belum kemukakan FTR. BT patuh, SDM/CEMS berfungsi baik. Tiada pelepasan ke furrow semasa pemeriksaan	FC	Patuh
27/06/18	(GSR-DESKTOP) EMT 7/7	Pantau pelaksanaan EMT	Sentiasa kemasikini EMT

SYOR PEGAWAI PENGUATKUASA

- Permohonan pembaharuan lesen boleh dipertimbangkan untuk diluluskan

**SEKIAN
TERIMA KASIH**