

# **ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

**RIYALAND SDN BHD**

**PROJECT TITLE:**

**PROPOSED ADDITIONAL SCHEDULED WASTE CODES & CAPACITIES**

**AT PT 3547 AND PT 3548,**

**TAMAN PERINDUSTRIAN TENGAS,**

**HULU YAM BHARU, MUKIM HULU YAM,**

**DISTRICT OF HULU SELANGOR, SELANGOR**

## **VOLUME I: MAIN REPORT**



**JULY 2019**

## A. PROJECT PROPONENT ENVIRONMENTAL PLEDGE

"I hereby declare that the entire EIA Report is the product of the EIA Consultant engaged by my company and all the facts stated in the Report and the accompanying information are to the best of my knowledge and belief true and correct, and that I have not withheld or distorted any material facts.

I agree and I undertake the responsibility to implement all the pollution prevention and mitigation measures (P2M2) described in the EIA Report, as proposed by the EIA Consultant. I have allocated sufficient funds for the above purpose.

Name of Project Proponent: Wong Thiam Kok

NRIC Number: 620901-10-5895

Designation: Director

Signature:



Date: 11-07-2019

Company Stamp:

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## **B. DECLARATION FROM EIA STUDY TEAM LEADER**

“I declare that the entire EIA Report is the product of my own work and the work of my team members who worked under my supervision and all the facts stated in the report and the accompanying information are to the best of my knowledge and belief true and correct and that I have not withheld or distorted any material facts. I have briefed the Project Proponent on the content of the Report and highlighted to him all the pollution prevention and mitigation measures (P2M2) described in it, and the Project Proponent has agreed to implement them.

Name of EIA Consultant Team Leader: Mohd Shah Rizal B. Zohri

NRIC Number: 791113-08-5535

Designation: Director

Signature: 

Date: 11-07-2019

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## LIST OF ABBREVIATIONS

AAAQG	-	Arizona Ambient Air Quality Guidelines
AERMET	-	American Meteorological Society/Environmental Protection Agency Regulatory Model Meteorological Processor
AERMOD	-	American Meteorological Society/Environmental Protection Agency Regulatory Model
APC	-	Air Pollution Control
ATFE	-	Agitated Thin Film Evaporator
BATs	-	Best Available Technologies
BOD	-	Biochemical Oxygen Demand
BOD <sub>5</sub>	-	Biochemical Oxygen Demand
CAR	-	Clean Air Regulation
CEMS	-	Continuous Emissions Monitoring System
CEMS-DIS	-	Continuous Emission Monitoring Systems - Data Interface System
CFT	-	Cross Function Team
CM	-	Compliance Monitoring
CO	-	Carbon Monoxide
COAs	-	Conditions of Approval
COD	-	Chemical Oxygen Demand
CSR	-	Corporate Social Responsibility
DOE	-	Department of Environment

DOSH	-	Department of Occupational, Safety and Health
EB	-	Environmental Budgeting
EC	-	Environmental Competency
EF	-	Environmental Facility
EIA	-	Environmental Impact Assessment
EMA	-	Environmental Monitoring and Auditing
EMC	-	Environmental Monitoring Committee
EMPC	-	Environmental Performance Monitoring Committee
EMT	-	Emergency Management Team
EP	-	Environmental Policy
EQA	-	Environmental Quality Act, 1974
ERC	-	Environmental Reporting and Communication
ERCMC	-	Environmental Regulatory Compliance Monitoring Committee
ERP	-	Emergency Response Plan
ERT	-	Emergency Response Team
ESM	-	Environmental Sound Management
ESR	-	Environmental Sustainability Report
ET	-	Environmental Transparency
FGD	-	Focus Group Discussion
GAQM	-	Guideline on Air Quality Models
GHGs	-	Greenhouse gases
GSR	-	Guided Self Regulations

GT	-	Gross Tonnage
H <sub>2</sub> S	-	Hydrogen Sulfide
HCl	-	Hydrochloric acid
Hg	-	Mercury
HORAS	-	Hybrid Off-site River Augmentation System
IBC	-	Intermediate Bulk Container
IC	-	Integrated Circuits
IECS	-	Industrial Effluent Characteristics Study
IETS	-	Industrial Effluent Treatment System
IM	-	Impact Monitoring
km	-	Kilometre
km <sup>2</sup>	-	Square Kilometre
m/s	-	Metre per second
m <sup>2</sup>	-	Square Metre
MAAQS	-	Malaysia Ambient Air Quality Standard
MDHS	-	Majlis Daerah Hulu Selangor
MLSS	-	Mixed Liquor Suspended Solids
MLVSS	-	Mixed Liquor Volatile Suspended Solid
mm	-	Milimetre
MM5	-	Mesoscale Meteorological Model
MMD	-	Malaysia Meteorological Department
MT	-	Metric ton

MTOE	-	Million Tonne Oil Equivalent
n/a	-	Not Available
NH <sub>3</sub>	-	Ammonia
NO <sub>2</sub>	-	Nitrogen Dioxide
NWQS	-	National Water Quality Standards
O <sub>3</sub>	-	Ozone
ORU	-	Oil Refining Unit
P2M2	-	Pollution Prevention and Mitigation Measures
PAHs	-	Polycyclic Aromatic Hydrocarbons
PAT	-	Penilaian Awal Tapak
pH	-	Potential Hydrogen
PM	-	Particulate Matter
PM	-	Performance Monitoring
PM <sub>10</sub>	-	Particulate Matter 10 micron
PM <sub>2.5</sub>	-	Particulate Matter 2.5 micron
PPE	-	Personal Protection Equipment
QRA	-	Quantitative Risk Assessments
SG	-	Specific Gravity
SO <sub>2</sub>	-	Sulphur Dioxide
SO <sub>4</sub>	-	Sulphate
SOP	-	Standard Operating Procedures
SPDU	-	Short Path Distillation Unit

SRA	- Sekolah Rendah Agama
SW202	- Waste catalysts containing nickel
SW204	- Metal Hydroxide Sludges containing nickel and copper
SW206	- Spent Inorganic Acid such as Hydrochloric Acid
SW303	- Adhesive or glue waste containing organic solvents excluding solid polymeric material
SW305	- Spent lubricating oil
SW306	- Spent hydraulic oil
SW307	- Spent mineral oil-water emulsion
SW309	- Oil water mixture such as ballast water
SW310	- Sludge from mineral oil storage tank
SW311	- Waste of oil or oily sludge
SW312	- Oily residue from automotive workshop, service station oil or grease interceptor
SW314	- Oil or sludge from oil refinery plant maintenance operation
SW320	- Waste containing formaldehyde
SW322	- Waste of non-halogenated organic solvent
SW323	- Waste of halogenated solvent
SW324	- Waste of halogenated or unhalogenated non-aqueous distillation residues arising from organic solvents recovery process
SW325	- Uncured resin waste containing organic solvents or heavy metals including epoxy resin and phenolic resin
SW327	- Waste of thermal fluids (heat transfer) such as ethylene glycol

SW408	- Contaminated soil, debris or matter resulting from cleaning-up of a spill of chemical, mineral oil or scheduled wastes
SW409	- Drums and Container contaminated with Solvent
SW409	- Drums and Container contaminated with Oil or Acid
SW410	- Used oil filter
SW410	- Used rag contaminated with oil, solvent or chemical
SW416	- Sludges of inks, paints, pigments, lacquer, dye or varnish
SW417	- Waste of inks, paints, pigments, lacquer, dye or varnish
SW418	- Discarded or off-specification inks, paints, pigments, lacquer, dye or varnish products containing organic solvent
SW422	- Contaminated aluminium chip arising from Turning process
SW429	- Discarded or off-specification Solvent
SW501	- Any residues from treatment or recovery of scheduled wastes
SWR	- Schedule Waste Recovery
SYABAS	- Syarikat Bekalan Air Selangor Sdn. Bhd.
TFA	- Trade Facilitation Agreement
TMB	- Telekom Malaysia Berhad
TNB	- Tenaga Nasional Berhad
TOR	- Terms of Reference
tpd	- Tonne per day
tpm	- Tonne per month
TSS	- Total Suspended Solids
USEPA	- United States Environmental Protection Agency

VOCs	-	Volatile Organic Compounds
WAC	-	Waste Acceptance Criteria
WCCS	-	Worst-Case Credible Scenario
WCS	-	Worst-Case Scenario
WQI	-	Water Quality Index