



EXECUTIVE SUMMARY

01

Introduction

Project Title

Proposed Waste Recovery Facility Expansion On Plot 157A, Lorong Perindustrian Bukit Minyak 7, Bukit Minyak Industrial Park, Seberang Perai Tengah, Pulau Pinang

Project Proponent

Century Surf Sdn. Bhd.
Plot 157A, Jalan Perindustrian Bukit Minyak 7, Bukit Minyak Industrial park, Seberang Perai Tengah, Pulau Pinang
Telephone No.: 04-5101981
Facsimile No.: 04-5069337
Contact Person: Mr. Ch'ng Pik Siang

Qualified Person

Ir. Dr. Lee Aik Heng
(ID No. CEP-C0388)

Raja Rokiah R. Saigon
(ID No. CEP-C0381)

Linda Geh Guat Yeow
(ID No. CEP-CS0382)

Lim Sze Fook
(ID No. CEP-CS0126)

Dr. Nurul Ruhayu Mohd Rosli
(ID No. CEP-CS0474)

Legislative Requirement

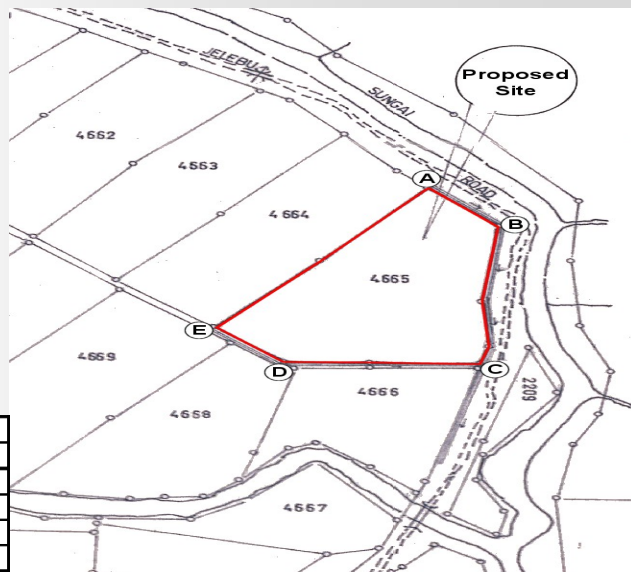
- Prescribed activity under the First Schedule, Activity 14(a)(i): Scheduled Waste - Construction of Recovery Plant (offsite), EIA Order (Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015)
- EIA study required and its report approved under Section 34A, Environmental Quality Act 1974 by the DOE prior to the implementation of the Proposed Project

Statement Of Need

- Aims to produce material from scheduled wastes as the country continue to grow towards an industrialized nation.

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Location



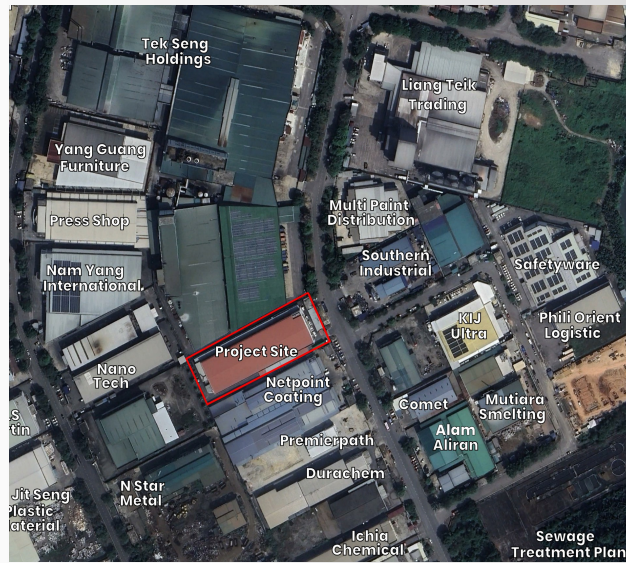
ID	Georeferences	
	Latitude	Longitude
A	05°17'51.03"	100°27'21.05"
B	05°17'52.62"	100°27'24.64"
C	05°17'51.44"	100°27'25.20"
D	05°17'50.01"	100°27'21.73"





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Sensitive Receptors



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Project Description

Location

Plot 157A, Lorong Perindustrian Bukit Minyak 7, Bukit Minyak Industrial Park, Seberang Perai Tengah, Pulau Pinang

Area Of Industrial Site

1.53 acres (0.6182 ha)

Type Of Project

Waste Recovery Facility Expansion

Handling Capacity

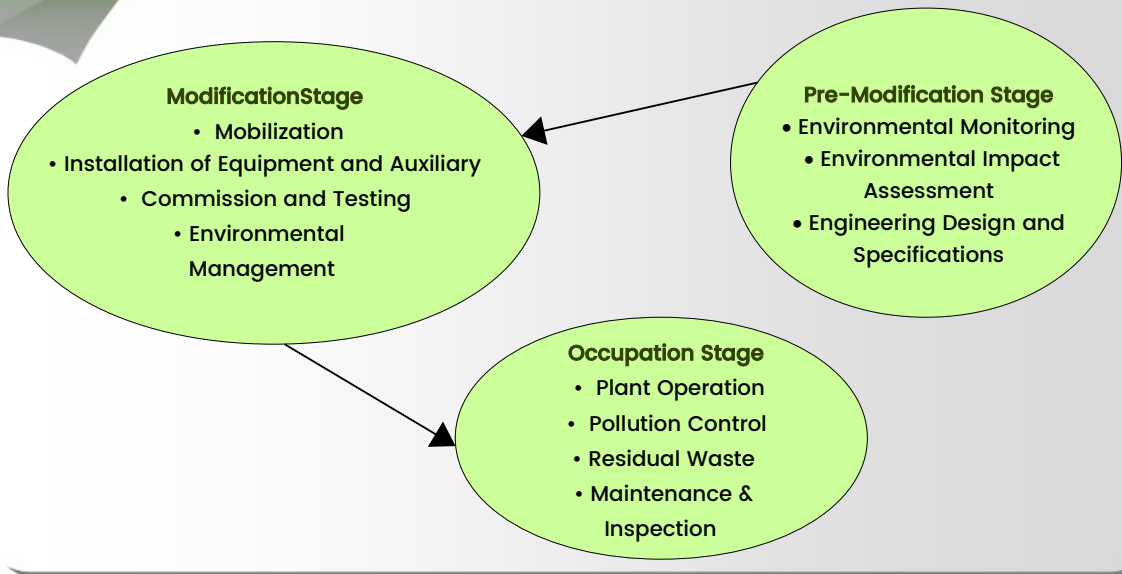
Scheduled wastes handling capacity of 1043 tpm (ton per month) with waste codes comprising of SW 104, SW 110, SW 204, SW 206, SW 322, SW 323, SW 325, SW 409, SW 410, SW 414, SW 418 and SW 422.





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Project Activities



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Existing Environment





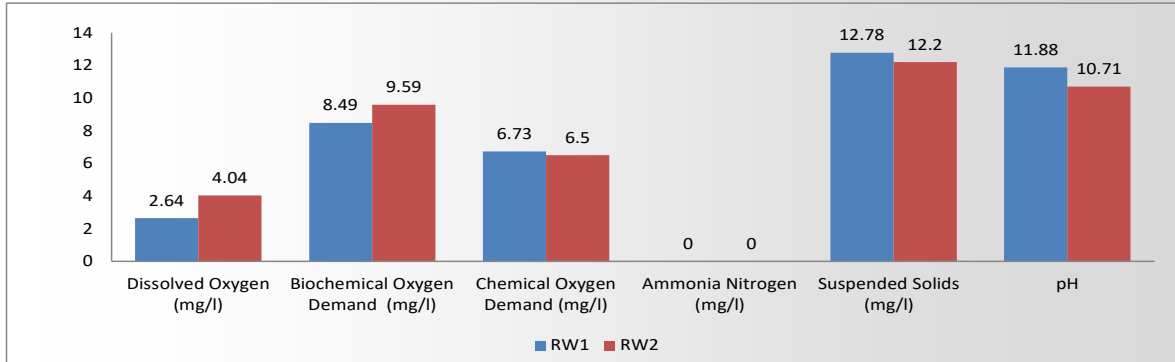
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Existing Environment

Water Quality Sub Index

RW1 – At 50 m upstream of point of discharge into Sg. Junjung Mati

RW2 – At 500 m downstream of point of discharge into Sg. Junjung Mati

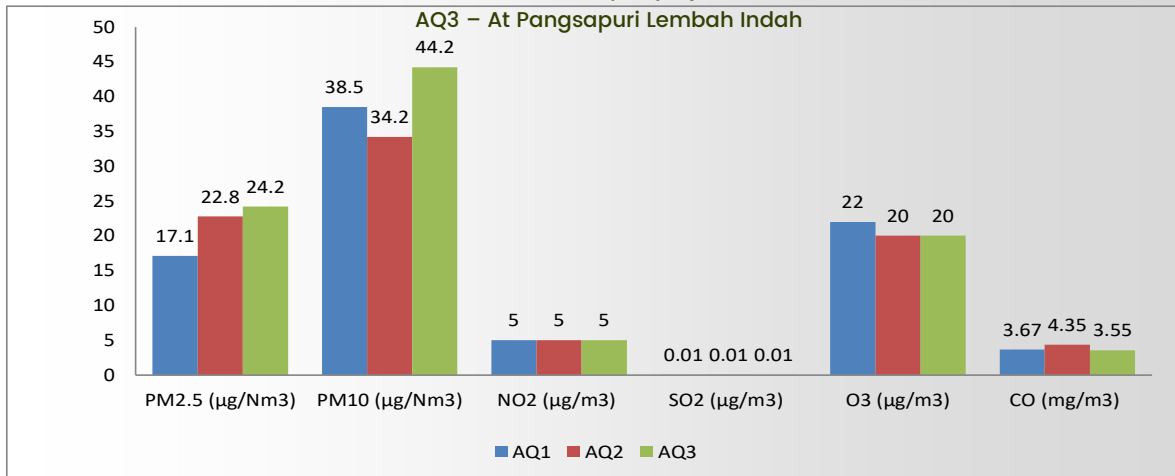


Ambient Air Quality

AQ1 – At Taman Seri Juru

AQ2 – At boundary of project site

AQ3 – At Pangsapuri Lembah Indah

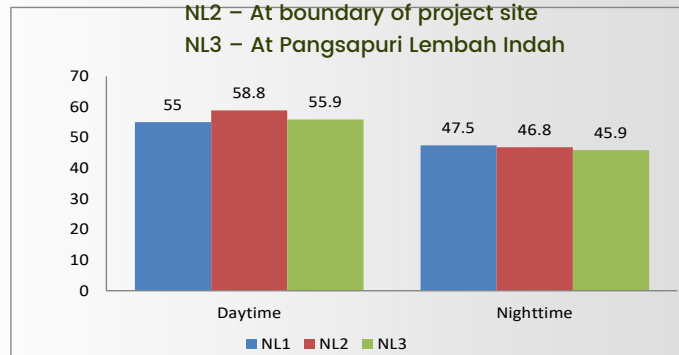


Noise Level

NL1 – At Taman Seri Juru

NL2 – At boundary of project site

NL3 – At Pangsapuri Lembah Indah





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Impact And Mitigation Measures

During Modification And Installation Stage

Impact

- Noise from modification works;
- Safety due to modification works; and
- Generation of wastes.

Mitigation Measures

- Environmental Management Plan to be approved by the DOE;
- Written permission under Section 19 and Section 20, EQA to be obtained from DOE prior works at site;
- Written notifications for fuel burning equipment, air pollution control system and chimneys to be submitted to DOE;
- Monitoring programs which includes both point sampling and ambient sampling throughout the operations of the Proposed Project; and
- Emergency Response Plan taking into consideration the processes and wastes stored and handled at site.

During Operation

Impacts

- Impacts on air quality due to the emissions from the recovery process;
- Impacts due to generation of wastes from the Proposed Project; and
- Impacts on human health and safety such as safety risks due operation.

Mitigation Measures

- Air emissions will be channeled to the APCS prior to releasing through the stack of adequate height;
- Residual scheduled wastes generated from the site will be disposed at the DOE's licensed facility; and
- Hazards of operating the Proposed Project is medium level and confined to the normal operations of any industrial activity operating in the area.





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Environmental Monitoring

Proposed Performance Monitoring At Modification Stage

Drainage	50 mg/l for TSS <250 NTU for turbidity
Dust	Ambient air quality guidelines
Erosion	50 mg/l for TSS <250 NTU for turbidity
Air quality	Ambient air quality guidelines
Spills	Environmental Quality (Scheduled Wastes) Regulations 2005
Litter on and off-site	Local Government Act

Proposed Compliance Monitoring Program At Modification Stage

Air Quality	PM ₁₀ - 100 ug/Nm ³ PM _{2.5} - 35 ug/Nm ³
Noise	Daytime: 75 dB L _{Aeq} Nighttime: 75 dB L _{Aeq}
Water Quality	Baseline and NWQS

Proposed Impact Monitoring Program At Modification Stage

Air Quality	PM ₁₀ - 100 ug/Nm ³ PM _{2.5} - 35 ug/Nm ³
Noise	Daytime: 75 dB L _{Aeq} Nighttime: 75 dB L _{Aeq}
Water Quality	National Water Quality Standards

Proposed Performance Monitoring At Operation Stage

All Equipment	As per catalog
IETS	As per written notification
APCS	As per written notification

Proposed Compliance Monitoring Program At Operation Stage

Stack Emission	Environmental Quality (Clean Air) Regulations 2014
Noise	Daytime < 75 dB L _{Aeq} Nighttime < 75 dB L _{Aeq}
Scheduled Waste	Environmental Quality (Scheduled Waste) Regulation 2005

Proposed Impact Monitoring Program At Operation Stage

Ambient Air Quality	PM _{2.5} - 35 ug/m ³ NO ₂ - 280 ug/m ³ PM ₁₀ - 100 ug/m ³ SO ₂ - 250 ug/m ³ CO - 30 mg/m ³ O ₃ - 180 ug/m ³
Noise	Daytime < 75 dB L _{Aeq} Nighttime < 75 dB L _{Aeq}

