



EXECUTIVE SUMMARY

01

Introduction

Project Title

Proposed Offsite Waste Storage Facility Of SW 104, SW 110, SW 202, SW 204, SW 206, SW 325, SW 401, SW 410, SW 414 & SW 422 And Physical Recovery Of SW 110 On Lot PT 1420 (No. 2453, Tingkat Perusahaan 5A), Kawasan Perindustrian Perai, Mukim 1, Seberang Perai Tengah, Pulau Pinang

Project Proponent

TMC Metal (Malaysia) Sdn. Bhd.
No. 2 & 4, Jalan Perusahaan 3/3
Batu 20, 48000 Rawang,
Selangor Darul Ehsan
Telephone No.: 03-60935196
Facsimile No.: 03-60935496
Contact Person: Mr. Lawrence Chong

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)

Legislative Requirement

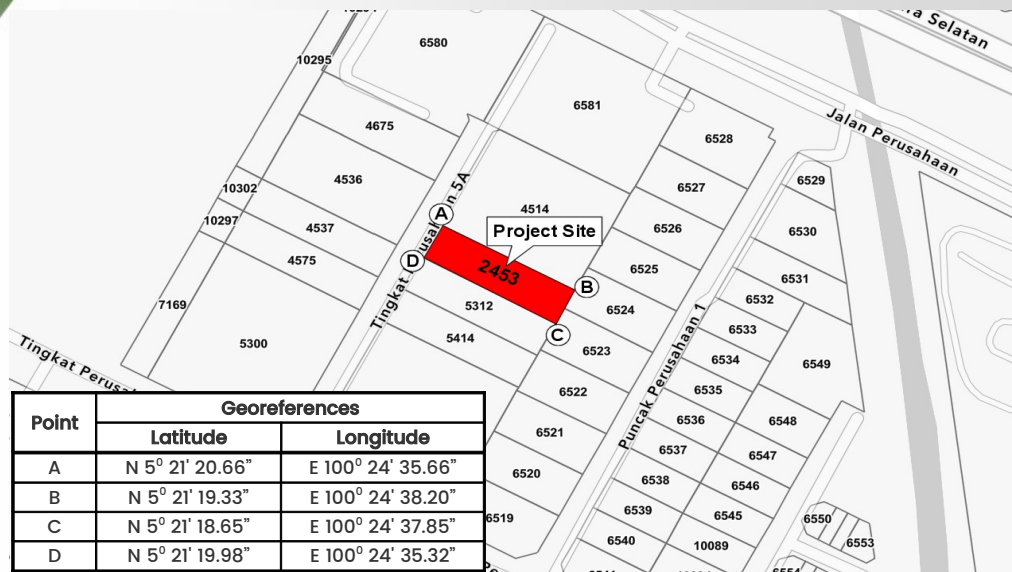
- Prescribed activity under the First Schedule, Activity 14(a)(iii): Scheduled Wastes: Construction of Storage Facility (Offsite), EIA Order (Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015)
- EIA study required and its report approved under Section 34A Environmental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

Statement Of Need

- Aims to provide services to cater for an integrated logistics in the transport and storage of scheduled wastes for further recovery at licensed facilities.

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Location





03

Sensitive Receptors



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Project Description

Location

Lot PT 1420 (No. 2453, Tingkat Perusahaan 5A), Kawasan Perindustrian Perai, Mukim 1, Seberang Perai Tengah, Pulau Pinang.

Area Of Industrial Site

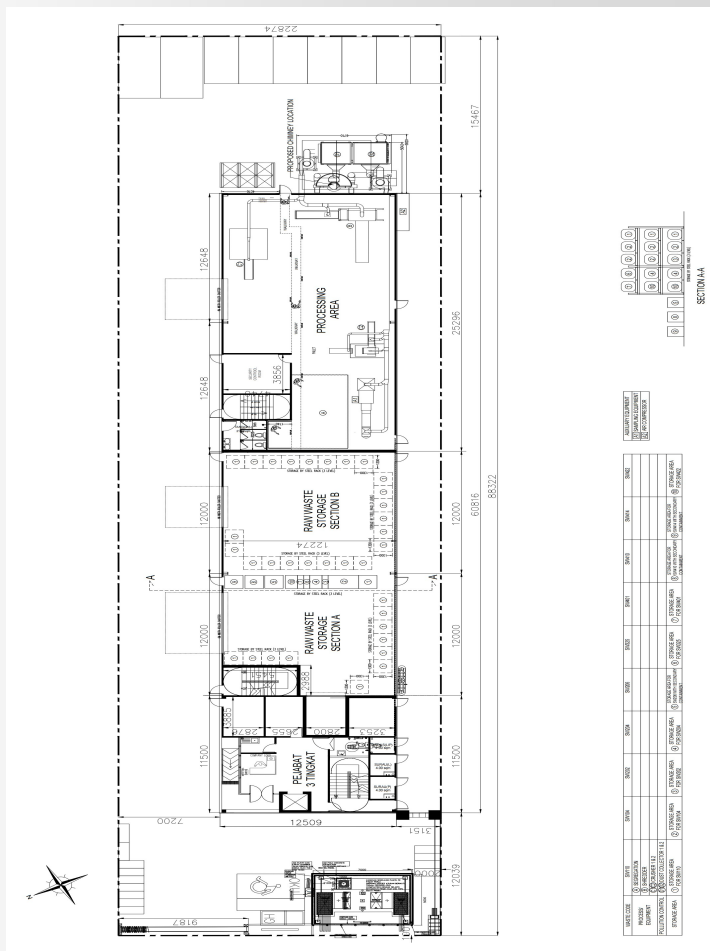
0.2021 Ha (0.4994 acres)

Type Of Project

Proposed Offsite Scheduled Waste Storage Facility

Storage Capacity

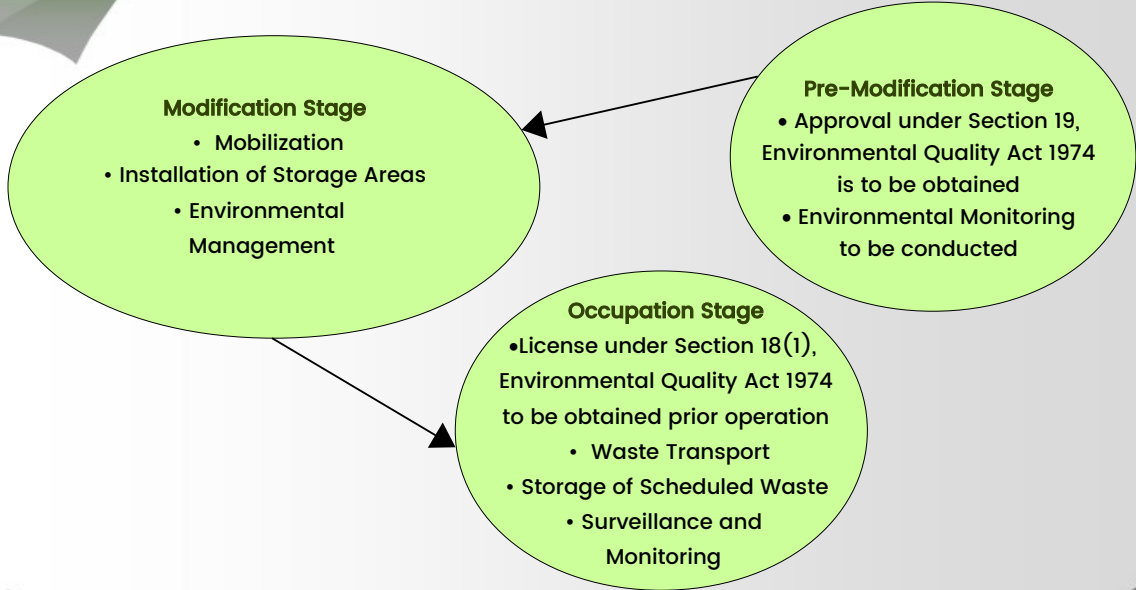
79.675 tpm





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Project Activities



06

Existing Environment



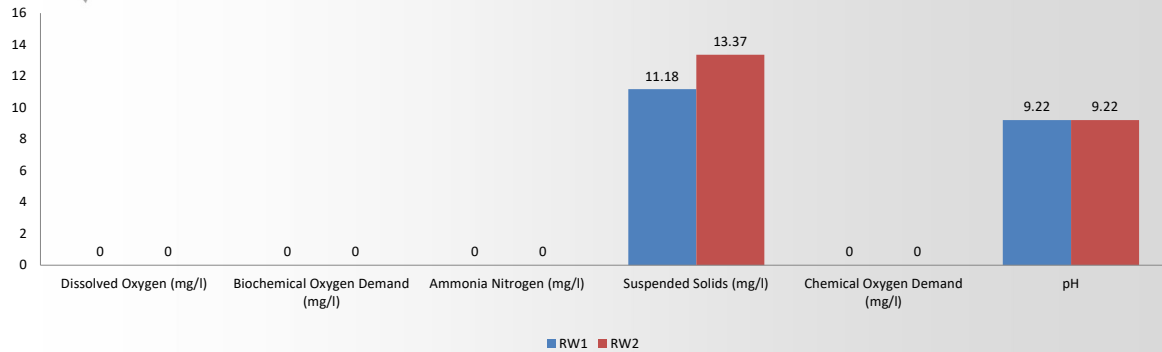


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Existing Environment

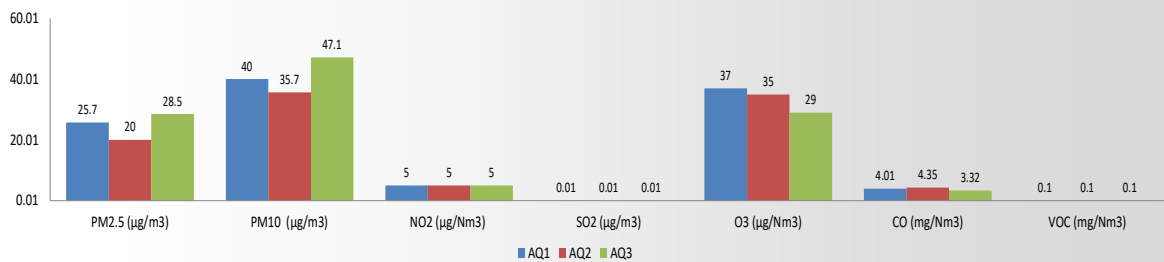
Water Index For Various Parameters

RW1 – At 50 m upstream of point of discharge into waterway
RW2 – At 50 m downstream of point of discharge into waterway



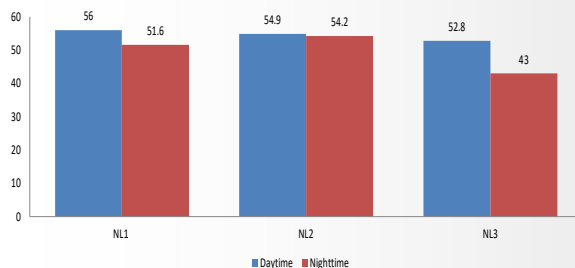
Ambient Air Quality

AQ1 – At Kampung Tok Panjang
AQ2 – At boundary of Project Site
AQ3 – At Kampung Tok Keramat



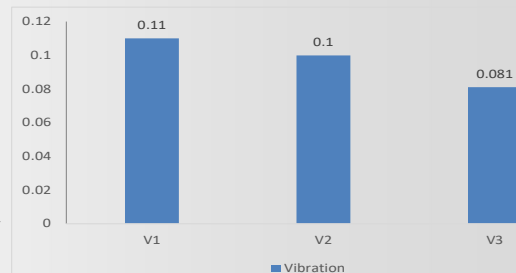
Noise Level

NL1 – At Kampung Tok Panjang
NL2 – At boundary of Project Site
NL3 – At Kampung Tok Keramat



Vibration Level

VL1 – At Kampung Tok Panjang
VL2 – At boundary of Project Site
VL3 – At Kampung Tok Keramat





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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, EQA to be submitted and approved by DOE;
- Monitoring programs which includes both point sampling and ambient sampling throughout the operations of the Proposed Offsite Storage Facility;
- Licensed under Section 18(1) to be obtained before operations; and
- Emergency Response Plan taking into consideration the wastes stored and handled at site.

During Operation

Impacts

- Impacts due dust from physical handling of scheduled wastes;
- Impacts due to potential risks from storage of scheduled wastes;
- Impacts as a result of increased traffic; and
- Impacts on human health and safety such as safety risks due to operational risks from the transport and storage of scheduled wastes.

Mitigation Measures

- Air pollution control shall be provided at site;
- Hazards of operating the Proposed Project operations;
- Secondary containments to be provided at site to mitigate potential spills; and
- Transport and storage of scheduled wastes to following all requirements outlined under the Environmental Quality (Scheduled Wastes) Regulations 2005.





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Environmental Monitoring

Proposed Performance Monitoring At Modification Stage

Drainage	→	50 mg/l for TSS <250 NTU for turbidity
Air quality	→	Ambient air quality guidelines
Noise control	→	Daytime : 75 dB L _{Aeq} Nighttime : 75 dB L _{Aeq}
Spills	→	Environmental Quality (Scheduled Wastes) Regulations 2005

Proposed Compliance Monitoring Program At Modification Stage

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

Proposed Compliance Monitoring Program At Operation Stage

Scheduled Waste	→	Environmental Quality (Scheduled Waste) Regulation 2005
Noise	→	Daytime <75 dB L _{Aeq} Nighttime <75 dB L _{Aeq}

