PROJECT TITLE

PROPOSED SCHEDULED WASTE SW 110 PARTIAL RECOVERY FACILITY ON LOT 11046 & LOT 11047, JALAN PALA 8, KAWASAN PERINDUSTRIAN RINGAN PERMATANG TINGGI, MUKIM 14, SEBERANG PERAI TENGAH, PULAU PINANG

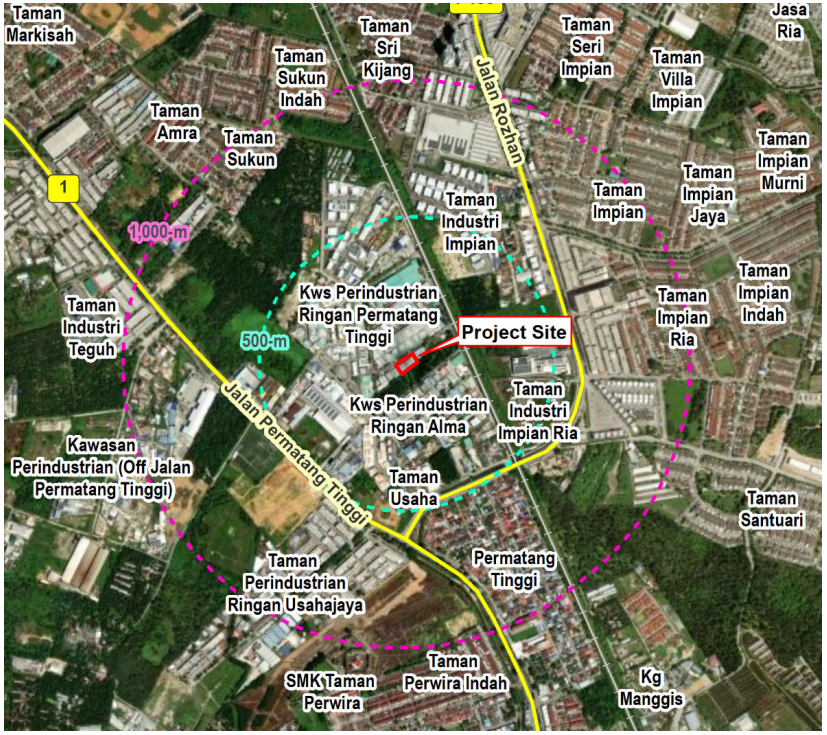
PRESCRIBED ACTIVITY

FIRST SCHEDULE: 14(a)(iii). WASTE TREATMENT AND DISPOSAL – Scheduled waste: Construction of storage facility (off-site)

PROJECT PROPONENT AND EIA CONSULTANT

Project Proponent: Werner Resources Sdn Bhd
EIA Consultant: SamEco Consultancy

PROJECT LOCATION AND NEARBY SENSITIVE RECEPTOR



STATEMENT OF NEED

- Demand for proper management of increasing generation of electric and electronic waste (e-waste)
- Supporting resource recovery from e-waste and circular economy
- Strengthening environmentally sound management of scheduled waste

PROJECT DESCRIPTION

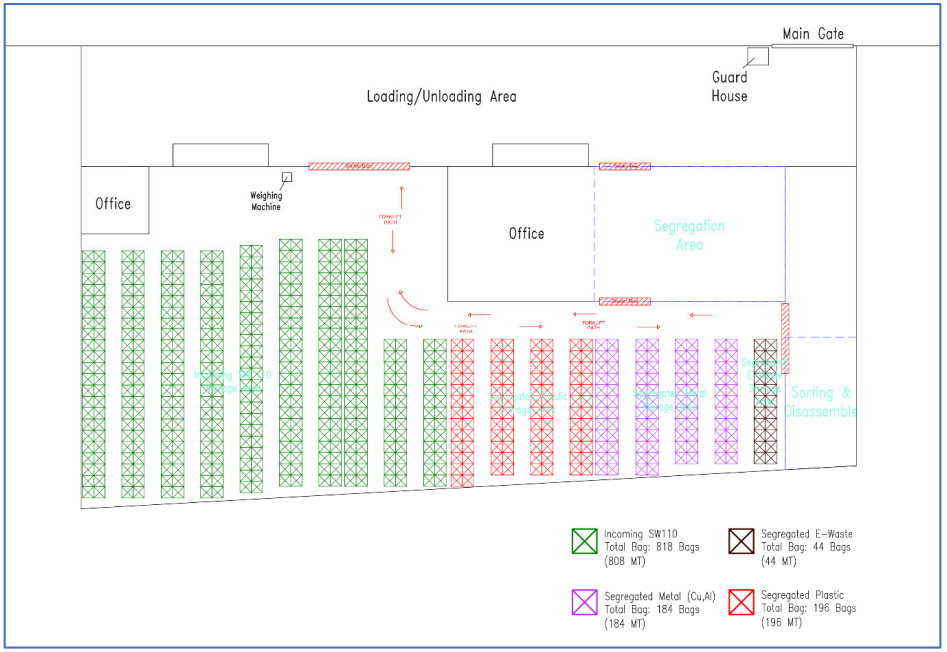
Capacity: 800 tonnes/month

Source of Wastes: local industries.

Waste Accptence Criteria (WAC):

Waste Material	Composition	General
E-Waste, SW 110	Contains 45% plastic/ glass, 2 – 5% electronic components, 50% metal	1. Homogenous & clean 2. Not mixed/ contaminated with other solid or scheduled wastes

Layout Plan



Partial Recovery Process

SW 110

Manual Sorting → Disassemble using Hand Tools → Manual Segregation

EXISTING ENVIRONMENT

Land Use – industry and one housing park within 500m. The nearest sensitive receptors are Taman Usaha (0.4 km) & Taman Sri Kijang (0.8 km).

Drainage System

Drain System → Sg Junjung → Sg Jawi → Selat Pulau Pinang

No water intake point at downstream

Component	Parameter
Drainage water quality	Standard B parameters & DO
Ambient air quality	PM_{10}, $PM_{2.5}$, NO_2, SO_2, CO, O_3
Ambient noise level	L_{Aeq}, L_{90}, L_{10}, L_{max}, L_{min}

Baseline Sampling Results

Drainage Water Quality: W1 is 'clean'; W2 is 'slightly polluted'.

Air Quality: All parameters were below the standard limits recommended by the Malaysian Ambient Air Quality Standards at all stations.

Noise Level: The averaged noise level (L_{Aeq}) was below the permissible sound levels at all stations.

PENILAIAN IMPAK

Impact during Renovation: Immaterial impact as it involves only minor modifications over a short period of time.

Impact during Operation:

Potential Impact	Project Activities and Impact Source	Impact Magnitude
Air Pollution	• Dust from the recovery process.	Minor
Water Pollution	• Accidental spillage.	Minor
Noise Pollution	• Factory operating noise. • Vehicle movements.	Minor
Environmental Pollution by Wastes	• Residue generated from the recovery process.	Minor
Disturbance on Socio-economy	• Interference to nearby receivers.	Minor
Hazard & Risk	• Fire.	Minor

ENVIRONMENTAL MANAGEMENT PLAN

- Environmental Policy
- Organisation Structure
- Training and Budget
- Compliance with Regulations
- Pollution Control Plan
- Environmental Audit
- Monitoring Programme
- Emergency Response Plan
- Abandonment and Closure Plan

→ Impact Monitoring
- Ambient Air Quality
- Ambient Noise Level
- Ambient Water Quality