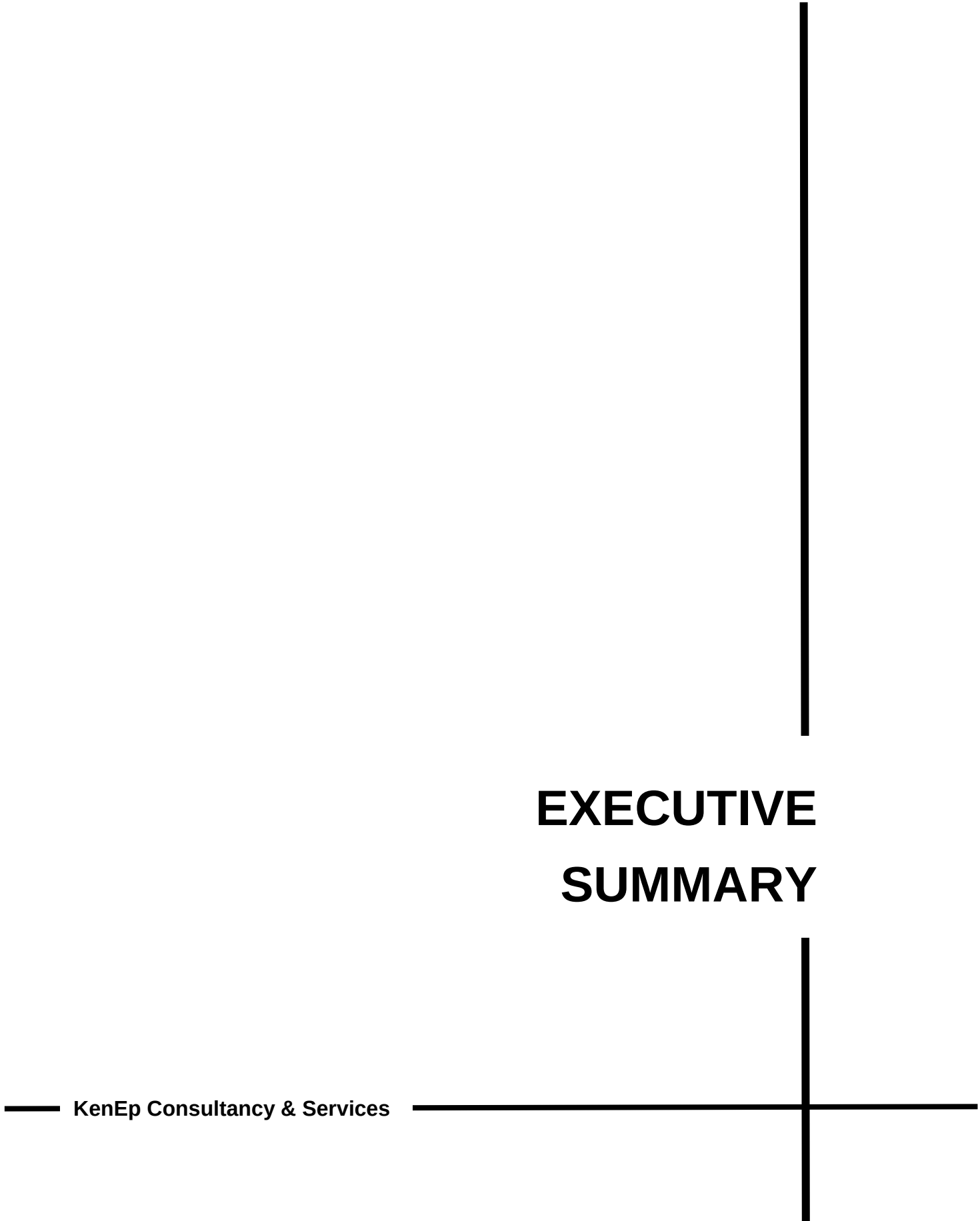




EXECUTIVE SUMMARY

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PROPOSED ADDITION OF SCHEDULED WASTE CODE (SW110, SW422) FOR THE EXISTING SCHEDULED WASTES RECOVERY FACILITY ON PART OF LOT 6638 WITH AN AREA OF 0.3046 HECTARE (0.7527 ACRE) IN MUKIM JIMAH, DISTRICT OF PORT DICKSON, NEGERI SEMBILAN DARUL KHUSUS

PROJECT PROPONENT

Cenviro Recycling and Recovery Sdn. Bhd.
(Company No. : 200401036815(675326-D))
Waste Management Centre,
Ladang Tanah Merah, A3 Division,
Bulit Pelandok 71960 Port Dickson,
Negeri Sembilan
Tel : 013-9681152

EIA CONSULTANT

KenEp Consultancy & Services
[(Company number:
201101013407 (IP 0436751-T))
No. 5-9, Jalan Jelapang Bayu 1,
Puncak Jelapang Bayu
30020 Ipoh, Perak.
Tel : +605-525 0336
Fax : +605-525 2908

PROJECT LOCATION

 Part of Lot 6638 With an Area of 0.3046 Hectare (0.7527 Acre) in Mukim Jimah, District of Port Dickson, Negeri Sembilan Darul Khusus

 Access road: Main road, 195 Jalan Seremban, then entering a junction continuing with the existing access road approximately 500m to reach the proposed Project site



Environmental Quality (Prescribed Activities)
(Environmental Impact Assessment) Order 2015

First Schedule
Prescribed Activity 14(a)(i) “Construction of recovery plant (off-site)”
(iii) Construction of storage facility (off-site).

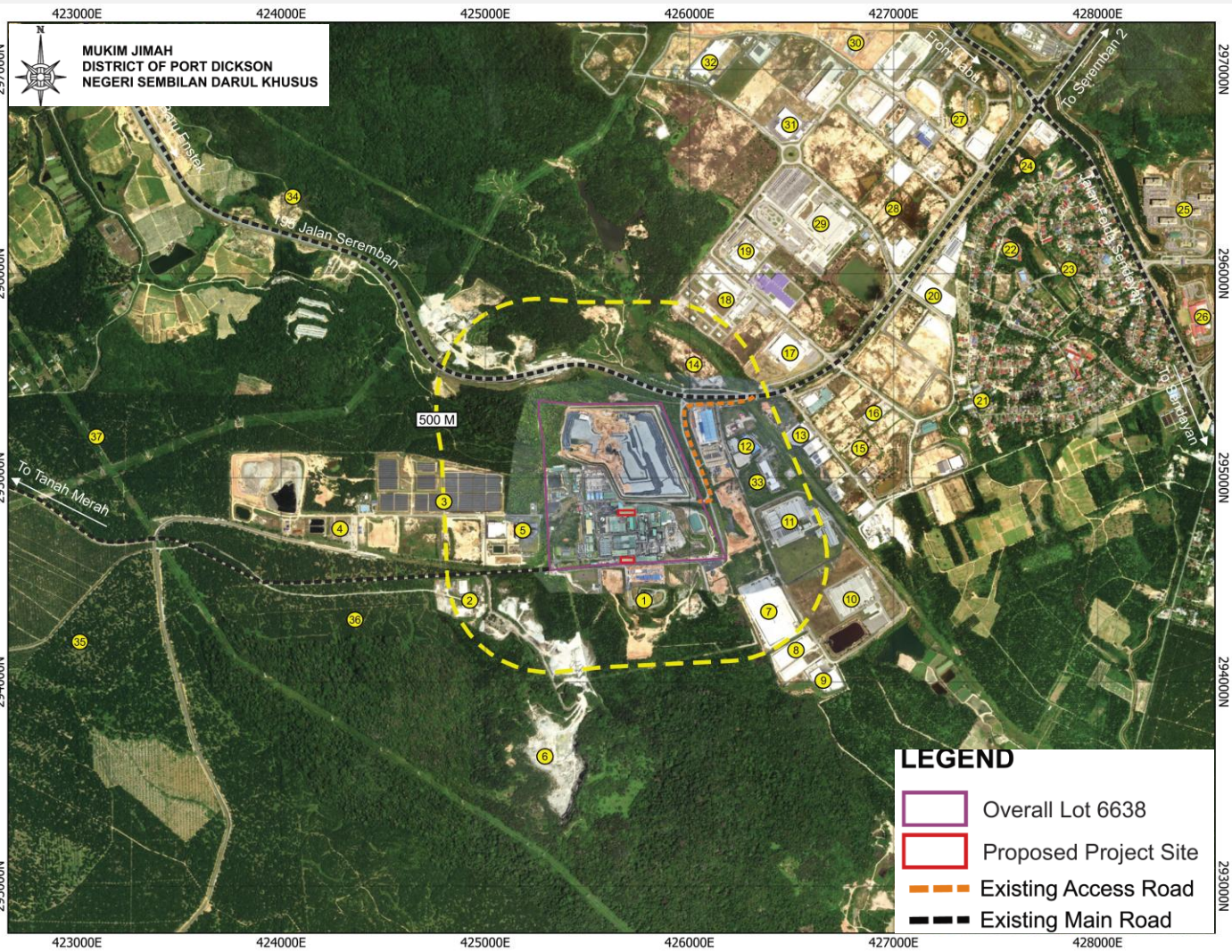
STATEMENT OF NEED


Raw Material
- Scheduled Waste


Demand
- Off-site Recovery Facility


Waste Management
- Recovery Facilities

PROJECT AERIAL LOCATION



No	Location
1	Cenviro Eco-park
2	Heidelberg Materials
3	Cypark Smart Technology Solar Farm
4	Cypark Smart Technology
5	Cypark Waste to Energy Plant
6	Hanson Quarry & Premix
7	Just Energy Sdn Bhd
8	Bright Star Stainless Steel Works Sdn Bhd
9	Vio Star International (M) Sdn Bhd
10	Daihatsu Perodua Engine Manufacturing
11	Akashi Kikai Industry Malaysia Sdn Bhd
12	Qlux Group Sdn Bhd
13	DNF Cable Sdn Bhd
14	Goodgloves Industries
15	Spectrum Materials
16	Serba Wangi Sendayan
17	Koito Malaysia Sdn Bhd
18	Koito Malaysia Sdn Bhd
19	Safran Landing Systems Malaysia
20	Mildef International Technologies Sdn Bhd
21	Kampung Sendayan
22	SK Sendayan
23	Ibusawat TM Felda Sri
24	Sendayan Techvalley Link Factory
25	TUDM Sendayan
26	Malaysian Armed Forces Equestrian Centre
27	GL Tech Manufacturing Sdn. Bhd.
28	ALPRO Group Head Office
29	Hino Motors Manufacturing Sdn Bhd
30	HKL Metal Works Sdn Bhd
31	Sendayan TechValley
32	Armada Complex
33	Kawasan Perindustrian Sendayan Techvalley
34	RK Raana Resources Quarry
35	Oil Palm Plantation
36	Oil Palm Plantation
37	Oil Palm Plantation
38	Kampung Jimah

EXISTING ENVIRONMENT



Topography

Flat Land



Geology

Vein and Intrusive
Quartz Acid



Soil

Rengam-Jerangau and steepland



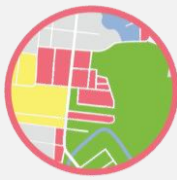
Hydrology

• Surface runoff > Existing Public Drain > Sungai Unyai tributaries > Sungai Runtoh > Sungai Jangling
• Surface runoff > Existing Public Drain > Sungai Kulai tributaries > Sungai Jijan > Sungai Jimah



Meteorology

Malaysian Meteorological Service (MMS):
Chemara Res. Tanah Merah Station and KLIA Sepang Station



Existing Landuse

• Surrounded by industry activities
• Nearest receptor: Kampung Sendayan (1.5 km)

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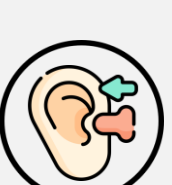
PROJECT ACTIVITIES

INVESTIGATION	DEVELOPMENT	OPERATIONAL	ABANDONMENT
- Site selection and survey - Environmental baseline studies and - Environmental Impact Assessment	- Transportation of equipment, machinery, supplies and material - Installation of machinery and equipment - Testing and commissioning for system efficiency - Waste management.	- Transportation, storage and handling of scheduled waste - Recovery process - Operation of the pollution control system - Waste management - Products storage, handling and delivery - Managing safety, health and environmental risk	- Demobilisation of infrastructure and facilities - Managing waste on the proposed project site

IMPACT ASSESSMENT & MITIGATION MEASURES

POTENTIAL IMPACT

PROPOSED POLLUTION PREVENTION AND MITIGATION MEASURES

 Water Quality	 Water Quality Monitoring	 Spillage Kit	 No Discharge from Recovery Process to Surrounding
 Noise Level	 Ear Muffler	 Monitoring Programme	 Ear Plug
 Air Pollution	 Monitoring Programme	 No Open Burning	
 Waste Generation	 No Open Burning	 Solid Waste Management	 Proper Schedule Waste Storage Area
 Safety and Health	 Implementation of Emergency Response Plan (ERP)	 Personal Protective Equipment (PPE)	 Audiometric Test

FOR SUBMISSION

EXECUTIVE SUMMARY

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PROPOSED MONITORING PROGRAM

Component	Location			Parameter	Frequency of Monitoring	Applicable Standard
Impact Monitoring						
Water Quality	W1	Tributaries of Sungai Unyai (Downstream of project site)	2°39'41.62"N 101°49'22.72"E	Full Parameter (Temperature, pH, COD, BOD, Suspended Solid, Dissolved Oxygen, Mercury, Cadmium, Chromium Hexavalent, Arsenic, Cyanide, Lead, Chromium Trivalent, Copper, Manganese, Nickel, Tin, Zinc, Boron, Iron, Phenol, Free Chloride, Sulphide, Oil & Grease, Silver, Aluminium, Selenium, Barium, Fluoride, Formaldehyde, Ammoniacal Nitrogen, Colour)	Quarterly	Results will be compared with: i. Baseline samplings ii. National Water Quality Standard for Malaysia (NWQS), Department of Environment
	W2	Sungai Janging (Downstream of project site)	2°39'1.49"N 101°47'13.97"E			
	W3	Tributaries of Sungai Kulai (Downstream of project site)	2°39'57.66"N 101°49'45.74"E			
	W4	Sungai Jimah (Downstream of project site)	2°38'58.24"N 101°50'50.21"E			
Ambient Air Quality	A1	Project Boundary	2°39'52.70"N 101°49'47.37"E	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO, O ₃ , VOC	Quarterly	Results will be compared with: i. Baseline samplings ii. Malaysian Ambient Air Quality Standards 2020
	A2	Kampung Sendayan	2°40'4.43"N 101°50'32.79"E			
	A3	Kampung Jimah Lama	2°38'28.9752"N 101°50'34.5876"E			

Component	Location			Parameter	Frequency of Monitoring	Applicable Standard
Impact Monitoring						
Noise Level	N1	Project Boundary	2°39'52.70"N 101°49'47.37"E	L ₁₀ , L ₅₀ , L ₉₀ and Total L _{Aeq}	Quarterly	Results will be compared with: i. Baseline samplings ii. Second Schedule, Recommended Permissible Sound Level (L _{Aeq}) By Receiving Land Use for Existing Built-Up Areas, Guidelines for Environmental Noise Limits and Control, 2019
	N2	Kampung Sendayan	2°40'4.43"N 101°50'32.79"E			
	N3	Kampung Jimah Lama	2°38'28.9752"N 101°50'34.5876"E			

Component	Location	Parameter	Frequency of Monitoring	Application Standard
Compliance Monitoring				
Environmental Audit	Entire Project site	DOE's conditions of EIA approval, related legislation & regulations	Yearly, during the operation stage	Environmental Audit Guidance Manual, Edition 1/2011
Stack Emission Monitoring	Chimney No. 2	Total Particulate Matter	Yearly	Environmental Quality (Clean Air), 2014 TPM - 150 mg/m³

Component	Location	Guidance Document/ Parameters	Frequency of Monitoring
Performance Monitoring			
Air Pollution Control System (APCS)	Bag Filter	Technical Guidance Document Series No: DOE-APCS-5: Technical Guidance on Performance Monitoring of Air Pollution Control Systems	Daily Weekly Monthly Annually

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PROPOSED MONITORING PROGRAM

