

THE PROPOSED SCHEDULED WASTE RECOVERY FACILITY FOR WASTE CODE SW104, SW110 AND SW422 ON LOT NO. 43816, JALAN TECHVALLEY 2/1, KAWASAN PERINDUSTRIAN SENDAYAN, 71950 SEREMBAN, NEGERI SEMBILAN



LEGAL REQUIREMENT

Environmental Quality (Prescribed Activity) (Environmental Impact Assessment) Order 2015, First Schedule 14(a) Scheduled Wastes:(i) Construction of recovery plant (Off-Site) and (iii) Construction of storage facility (Off-Site)

PROJECT DESCRIPTION

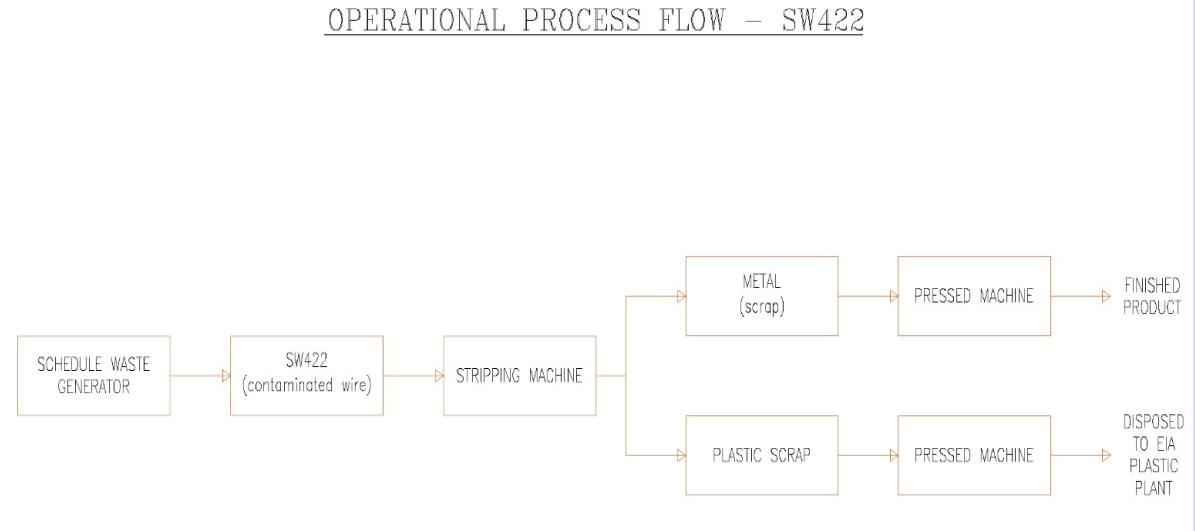
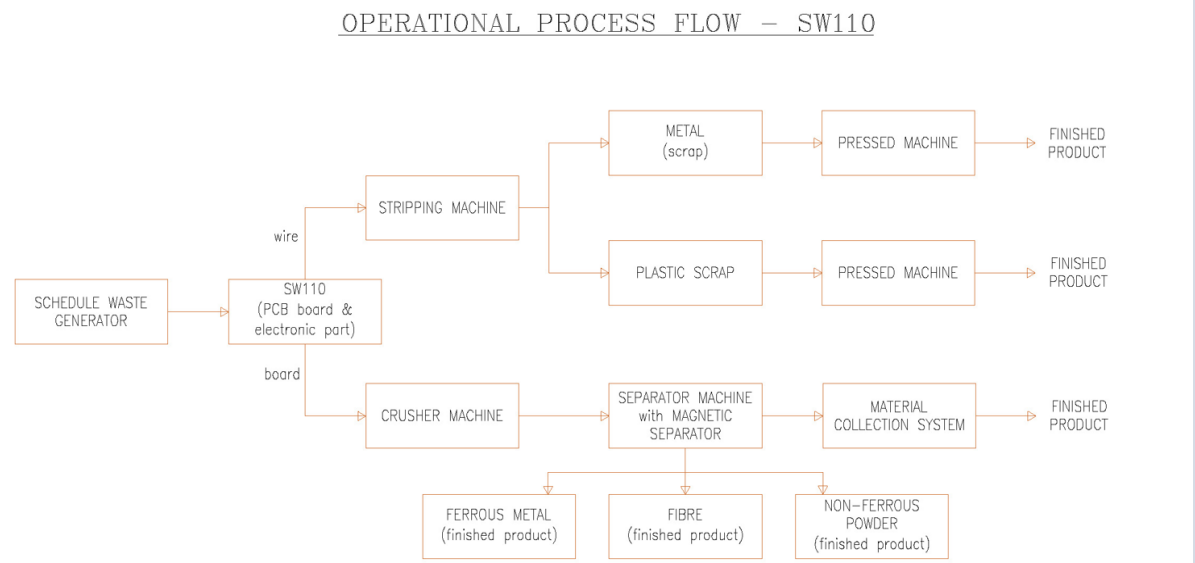
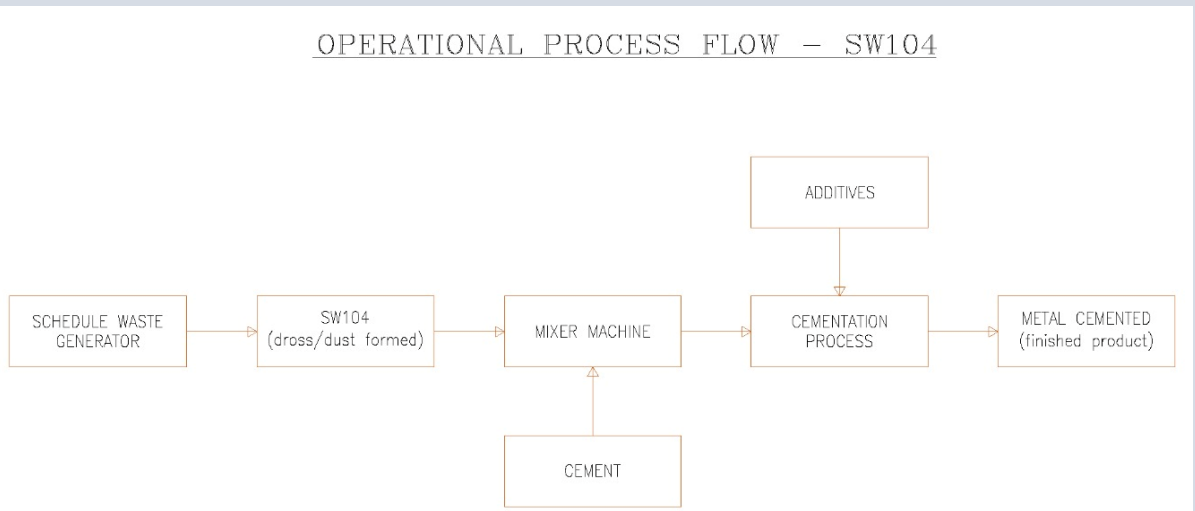
❖ The proposed project involves the recovery of Scheduled Wastes SW104 (Dross/Slag), SW110 (E-waste), and SW422 (Contaminated Wires) received from licensed scheduled waste generators using mechanical and physical recovery processes to reclaim valuable materials and support resource recovery. The recovery activities include cement-based stabilization for SW104, mechanical crushing and material separation for SW110, and mechanical wire stripping for SW422, with the recovered products subsequently transferred for further industrial use or recycling. The proposed recovery capacities are **300 MT/month for SW104, 900 MT/month for SW110, and 750 MT/month for SW422.**

❖ The recovery process does not generate any air emissions or industrial effluent as it is conducted as a dry mechanical process.

❖ The siting of the project within the industrial area is in line with the development strategy to coordinate industry activities in Seremban district. This site is located in the industrial zone/area within planning block number BP2: Seremban in the Rancangan Tempatan Malaysia Vision Valley 2045.



ENVIRONMENTAL MONITORING PROGRAMME			
COMPONENT	DESCRIPTION	FREQUENCY	PARAMETER
Operation Phase			
Noise Level	N1: At Project site boundary	Quarterly	LAeq, Lmax, Lmin, L10 and L90
Air Quality	A1: At Project site boundary	Quarterly	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO, O ₃
Water Quality	W1: At perimeter drain of Project site (upstream) W2: At perimeter drain of Project site (downstream)	Monthly	pH, Temperature, DO, COD, BOD5, TSS, NH3-N, Oil & Grease, Turbidity



ENVIRONMENTAL COMPONENT		
WATER QUALITY INDEX		
STATION	WQI	STATUS
WQ1	43.27	Polluted
WQ2	75.09	Slightly Polluted
WQ3	64.44	Slightly Polluted
AMBIENT AIR QUALITY		
Parameter	A1	A2
PM ₁₀	28	28
PM _{2.5}	14	14
NO ₂	14	24
SO ₂	38	25
CO (mg/m ³)	1	1
O ₃	3	2
TVOC	ND <1	ND <1
NOISE LEVEL		
LAeq	Day Time, dBA	Night Time, dBA
N1	49.7	39.1
N2	46.2	35.2

SIGNIFICANT IMPACTS	MITIGATION MEASURES
Spillage	• Good Housekeeping. • Emergency Response Plan for Spillage. • Daily Inspection of plant condition.
Waste Generation General waste Scheduled waste	• Provide garbage bins • Online eSWIS for scheduled wastes. • Proper handling and storage.
Noise Pollution	• Use proper personal protection equipment (PPE) on site with ear plug. • Regularly servicing and maintaining vehicles and machineries.
Project Abandonment	• Preparing Project Abandonment Plan. • Initiate environmental control measures. • Inspection by Authority.

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KEPERLUAN PERUNDANGAN

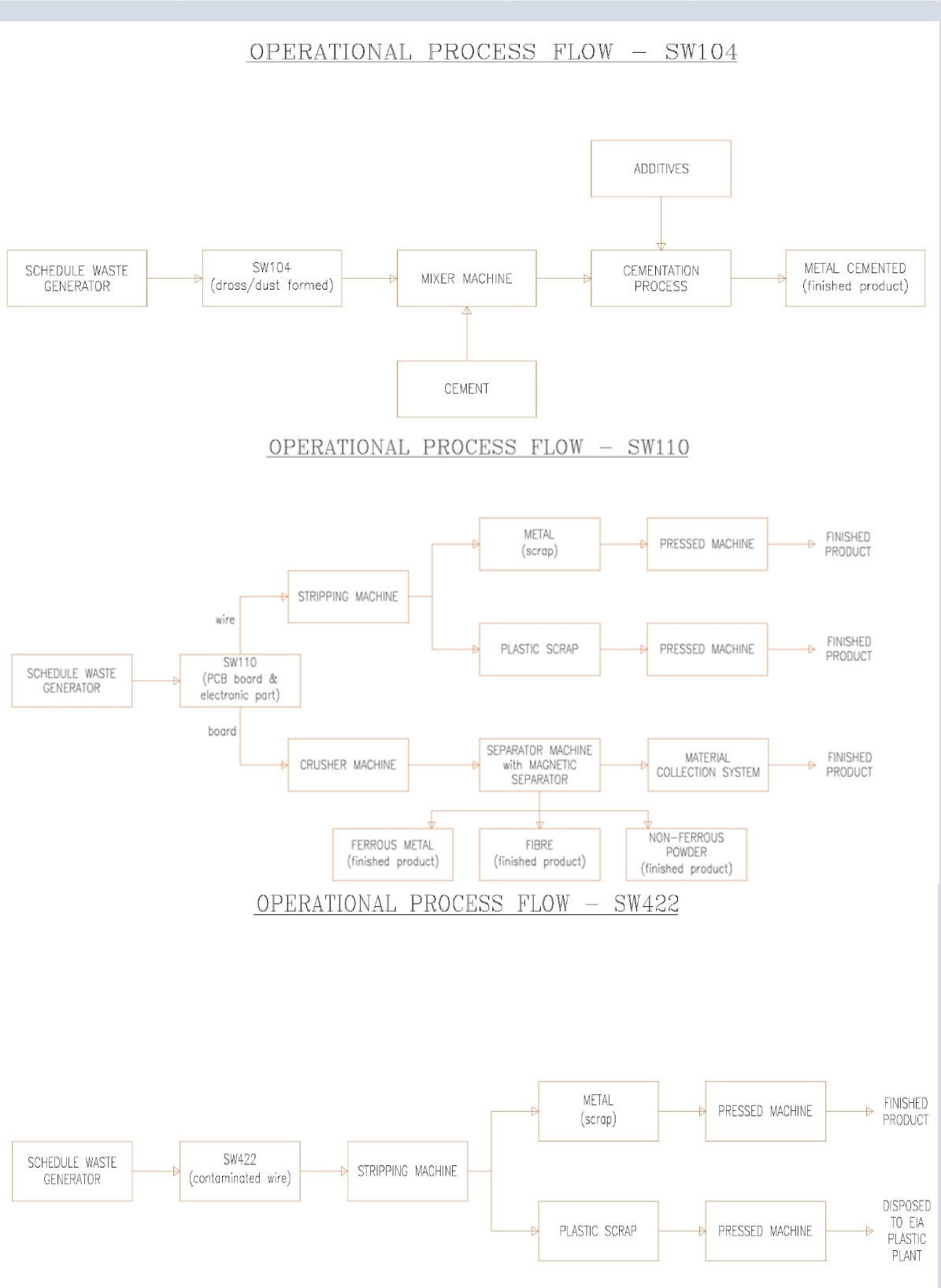
Tertakluk kepada Perintah Kualiti Alam Sekeliling (Aktiviti Yang Ditetapkan) (Penilaian Kesan Kepada Alam Sekeliling) 2015 bagi Jadual Pertama. Aktiviti 14(a) Buangan Terjadual:(i) Pembinaan loji pulih guna (luar tapak) dan (iii) Pembinaan kemudahan penstoran (luar tapak)

KETERANGAN PROJEK

- ❖ Projek yang dicadangkan melibatkan aktiviti perolehan semula Sisa Terjadual SW104 (Dross/Slag), SW110 (E-waste) dan SW422 (Wayar Tercemar) yang diterima daripada penjana sisa berlesen menggunakan proses pemulihan secara mekanikal dan fizikal bagi mendapatkan semula bahan bernilai untuk kegunaan sebagai sumber sekunder. Aktiviti perolehan semula merangkumi proses penstabilan berasaskan simen bagi SW104, penghancuran dan pengasingan bahan secara mekanikal bagi SW110, serta pelucutan wayar secara mekanikal bagi SW422, sebelum bahan yang dipulihkan dihantar untuk dikitar semula atau digunakan semula dalam aplikasi industri yang bersesuaian. Kapasiti perolehan semula yang dicadangkan ialah **300 tan metrik/bulan bagi SW104, 900 tan metrik/bulan bagi SW110 dan 750 tan metrik/bulan bagi SW422.**
- ❖ Proses pemerolehan semula tidak menghasilkan sebarang pelepasan udara atau efluen industri kerana hanya proses mekanikal secara kering dijalankan.
- ❖ Cadangan projek di dalam kawasan perindustrian ini adalah selaras dengan strategi pembangunan bagi menyelaraskan aktiviti perindustrian di Daerah Seremban. Tapak projek terletak dalam zon/kawasan perindustrian di bawah Blok Perancangan BP2: Seremban sebagaimana yang diperuntukkan dalam Rancangan Tempatan Malaysia Vision Valley 2045.



PROGRAM PEMANTAUAN			
KOMPONEN	KETERANGAN	FREKUENSI	PARAMETER
Operation Phase			
Bunyi Bising	N1: At Project site boundary	Setiap 3 bulan	LAeq, Lmax, Lmin, L10 and L90
Kualiti Udara	A1: At Project site boundary	Setiap 3 bulan	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO, O ₃
Kualiti Air	W1: At perimeter drain of Project site (upstream) W2: At perimeter drain of Project site (downstream)	Setiap bulan	pH, Temperature, DO, COD, BOD5, TSS, NH3-N, Oil & Grease, Turbidity



KOMPONEN ALAM SEKITAR		
INDEKS KUALITI AIR		
STATION	WQI	STATUS
WQ1	43.27	Polluted
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KUALITI UDARA		
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TVOC	ND <1	ND <1
BUNYI BISING		
LAeq	Waktu Siang, dBA	Waktu Malam, dBA
N1	49.7	39.1
N2	46.2	35.2
IMPAK	MITIGASI	
Tumpahan	•Penyelenggaraan bangunan. •Pelan Tindakan Kecemasan. •Pemeriksaan harian kilang.	
Sis Buangan Sisa Pepejal Buangan Terjadual	•Menyediakan tong sampah •Pemaju hendaklah mengisi eSWIS untuk buangan terjadual •Kawasan penyimpanan yang teratur	
Gangguan Bunyi Bising	•Menyediakan peralatan perlindungan diri (PPE) untuk pekerja •Penyelenggaraan mesin dan kenderaan	
Penutupan Projek	•Menyediakan pelan penutupan. •Pelan baikpulih alam sekitar. •Pemantauan badan berkuasa.	