

CADANGAN KEMUDAHAN KITAR SEMULA SISA PLASTIK DAN KEMUDAHAN PENGASINGAN BUANGAN TERJADUAL (SW110 DAN SW422) DI LOT 327, MUKIM TELUK PANGLIMA GARANG, TEMPAT TELOK 12TH MILE, DAERAH KUALA LANGAT, SELANGOR DARUL EHSAN OLEH WAN LIN TECHNOLOGY SDN BHD

JADUAL PERTAMA PENILAIAN KESAN KEPADA ALAM SEKELILING (EIA)

RINGKASAN EKSEKUTIF

PENDAHULUAN

Ini adalah Laporan Penilaian Impak Alam Sekitar (EIA) yang disediakan untuk Wan Lin Technology Sdn. Bhd. (WLT) untuk diserahkan kepada Jabatan Alam Sekitar (JAS) Selangor untuk kelulusan. Projek EIA ini dengan ini disebut sebagai “**CADANGAN KEMUDAHAN KITAR SEMULA SISA PLASTIK DAN KEMUDAHAN PENGASINGAN BUANGAN TERJADUAL (SW110 AND SW422) DI LOT 327, MUKIM TELUK PANGLIMA GARANG, TEMPAT TELOK 12TH MILE, DAERAH KUALA LANGAT, SELANGOR DARUL EHSAN OLEH WAN LIN TECHNOLOGY SDN BHD.**” Selepas ini, ia akan dikenali sebagai 'Projek'.

PENGGERAK PROJEK DAN ORANG YANG BERKELAYAKAN



PENGGERAK PROJEK

WAN LIN TECHNOLOGY SDN. BHD. (WLT)

Alamat : LOT 327, Mukim Teluk Panglima Garang,
Tempat Telok 12th Mile,
Daerah Kuala Langat, Selangor Darul Ehsan

Orang yang dihubungi: Liu Junyi

Nombor telefon: 016-4050178

Emel : wanlintechnologysb@gmail.com



JURURUNDING EIA

KESPRO CONSULTANTS SDN BHD



Alamat : No.A-07-09, Level 7, Block A, Sunway Geo Avenue,
Jalan Lagoon Selatan, Sunway South Quay,
Bandar Sunway,
47500 Subang Jaya, Selangor Darul Ehsan.

Orang Dihubungi : Chong Shiau Iun @ Abraham (EIA Team Leader)
(EIA Consultant: CEP-CS0111)

No. Telefon : 019 - 820 1820

Emel : chongsi@hotmail.com



AHLI PASUKAN EIA

Ketua Pasukan EIA

1. Chong Shiau Iun @ Abraham

Jururunding EIA (CEP-CS0111)

Pengurusan Sisa; Kualiti Air; Penilaian Risiko Kuantitatif; Keselamatan dan Kesihatan Pekerjaan

Ahli Pasukan EIA

1. ChM Tang Ching Ching

Jururunding EIA (CEP-C0073)

Kualiti Udara; Kualiti Bunyi; Pemantauan Kualiti Air

2. Agatha Francis Nasin

Jururunding Subjek (CEP-SS0140)

Penilaian Kesan Sosial

Ahli Pasukan Sokongan Kajian EIA

1. Suzana Antasila Binti Kamalludin

Guna Tanah; Sosio-Ekonomi

2. Freddy Lee

Peta GIS

KEPERLUAN UNDANG-UNDANG

Projek ini adalah tertakluk kepada Perintah Kualiti Alam Sekeliling (Aktiviti yang Ditetapkan) (Penilaian Kesan kepada Alam Sekeliling) 2015:

- Jadual Pertama, Aktiviti 14(b)(ii) Rawatan dan pelupusan sisa; Sisa Pepejal; Pembinaan loji pemulihan atau kitar semula, dan Aktiviti 14 (a)(i) Sisa Terjadual: Pembinaan loji pemulihan



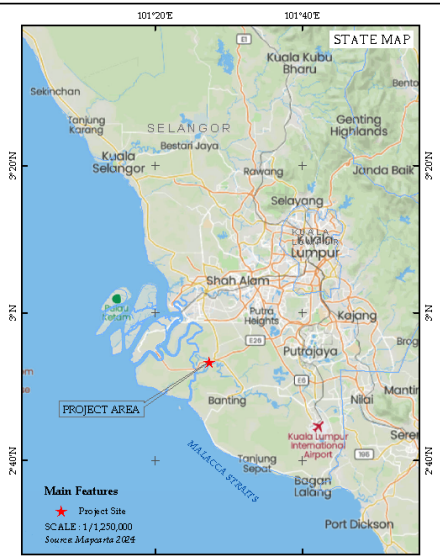
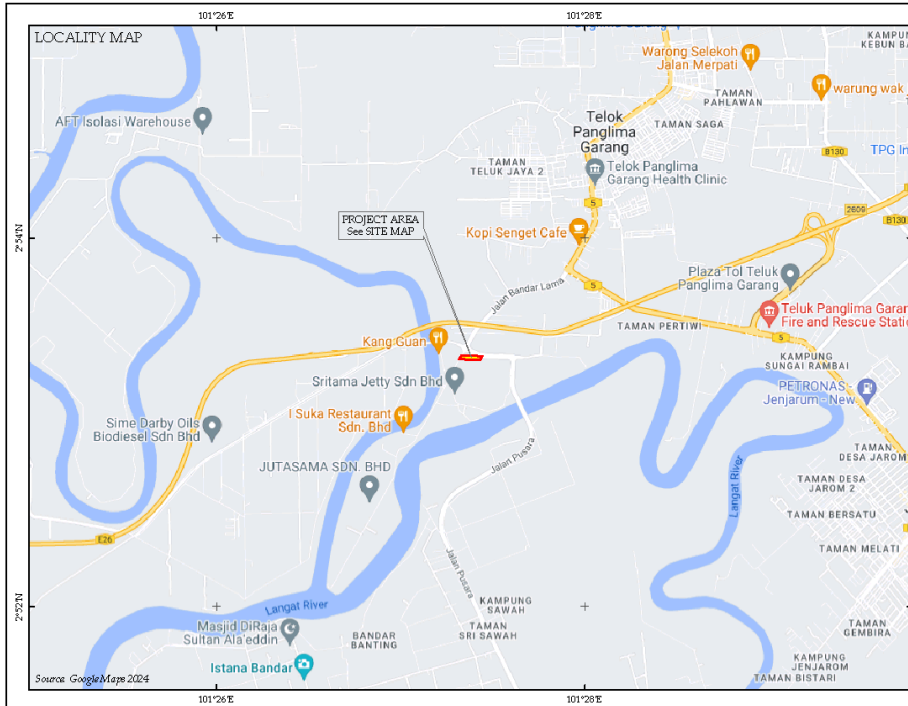
PENYATAAN KEPERLUAN

- Kemudahan pemerolehan sisa plastik dan sisa Terjadual SW110 dan SW422 akan memperkenalkan dimensi baru bagi sektor pembuatan.
- Kegiatan ekonomi yang terlibat secara langsung: pengumpulan, pengangkutan, dan pemulihan dari sisa, penjualan produk yang dipulihkan dan pelupusan buangan berjadual. Perkhidmatan tidak langsung yang terlibat merangkumi perkhidmatan perundingan alam sekitar, penilaian impak, pengurusan dan pemantauan oleh professional.
- Kegiatan dan faedah ekonomi ini berupaya dijana oleh Projek ini adalah hasil kesedaran and pengetahuan terhadap pemuliharaan alam sekeliling dan pengekalan sumber serta tanggungjawab semua penjana sisa dalam putaran ekonomi.
- Keperluan Projek ini adalah berasas daripada sudut pandangan alam sekeliling dan kemampuan di samping membawa kepada kebaikan ekonomi, peluang perniagaan dan pekerjaan.

LOKASI PROJEK



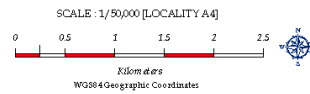
PETA LOKALITI



LEGEND

Main Features

- ★ Project Centre
- Project Site
- Major road
- Main river
- Minor road
- Project boundary



BOUNDARY COORDINATES

A	02° 53' 21.7" N, 101° 27' 19.9" E
B	02° 53' 21.9" N, 101° 27' 24.5" E
C	02° 53' 20.3" N, 101° 27' 25.5" E
D	02° 53' 20.5" N, 101° 27' 19.2" E
X	02° 53' 21.0" N, 101° 27' 22.8" E

MAP NO.: wk-ft-locality

DATE: 19-11-2024

Project Proponent: WAN LIN TECHNOLOGY SDN BHD



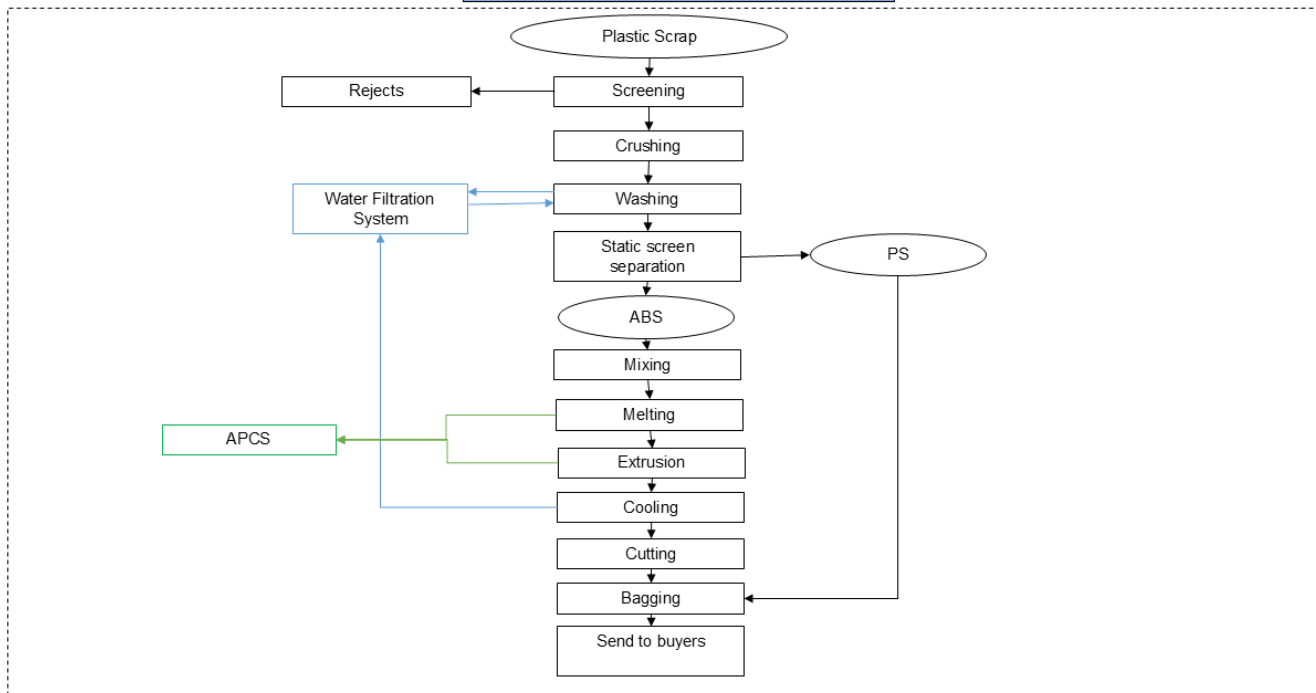
PETA TAPAK (SITE MAP)



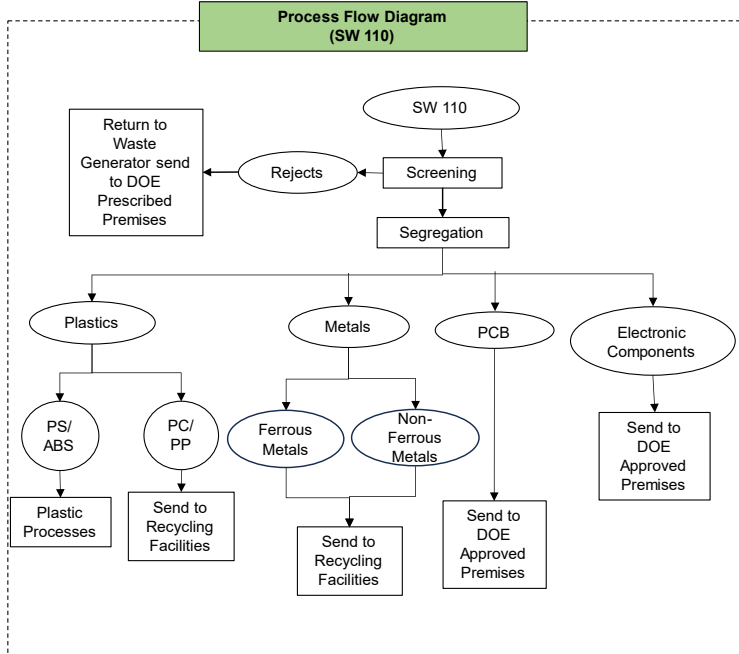
HURAIAN PROJEK

Penggerak Projek (PP) bercadang untuk mengendalikan kemudahan kitar semula (Fasa 1) untuk sisa plastik dan kemudahan pengasingan (Fasa 2) untuk Sisa Terjadual (SW110 dan SW422).

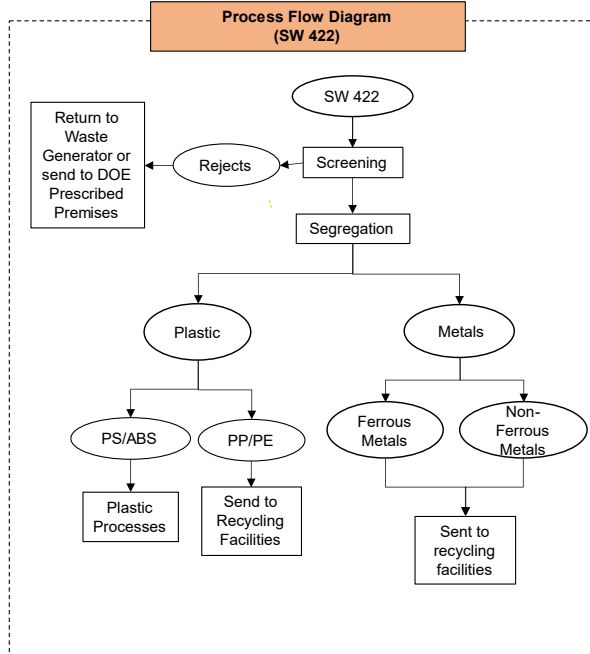
Process Flow Diagram (Plastic Scrap)



Process Flow Diagram (SW 110)



Process Flow Diagram (SW 422)





FASA OPERASI

- Operasi proses kitar semula sisa plastik dan pengasingan sisa terjadual (SW110 dan SW422)
- Penyelenggaraan bangunan, kemudahan dan utiliti

PERSEKITARAN SEDIA ADA



GEOLOGI

Quaternary

Marine and continental deposits (clay, silt, sand, peat with minor gravel)



TOPOGRAFI

Projek ini akan diletak di sebidang tanah rata di Telok Panglima Garang.



TANAH

Selangor-Kangkung



IKLIM

Data Iklim kecuali *Wind Rose* (2014- 2023): Stesen Subang

Data Iklim untuk *Wind Rose* (2014-2023): Stesen Subang

Purata Hujan Tahunan: 3,067.4 mm

Purata suhu 24 jam: 27.3 °C to 28.6 °C

Purata 24-jam kelembapan relatif: 73.1% to 82.1%

Angin permukaan sering bertiup dari barat laut (17.7%), diikuti Barat (12%) dan kemudian Selatan (11.7%) dan Utara (10.9%).



GUNA TANAH

Dalam tapak Projek:

- Tapak Projek terletak di Telok Panglima Garang
- Lot berdekatan tapak Projek ialah Castco Sdn Bhd dan Ever Classic Plastic Industries Sdn Bhd. Industries Sdn Bhd.

Dalam lingkungan 3-km Jejari dari Sempadan tapak Projek

- Penggunaan tanah dalam radius 1 km hingga 3 km dari sempadan tapak Projek terdiri daripada kawasan industri, kediaman, institusi dan kemudahan sediaada.

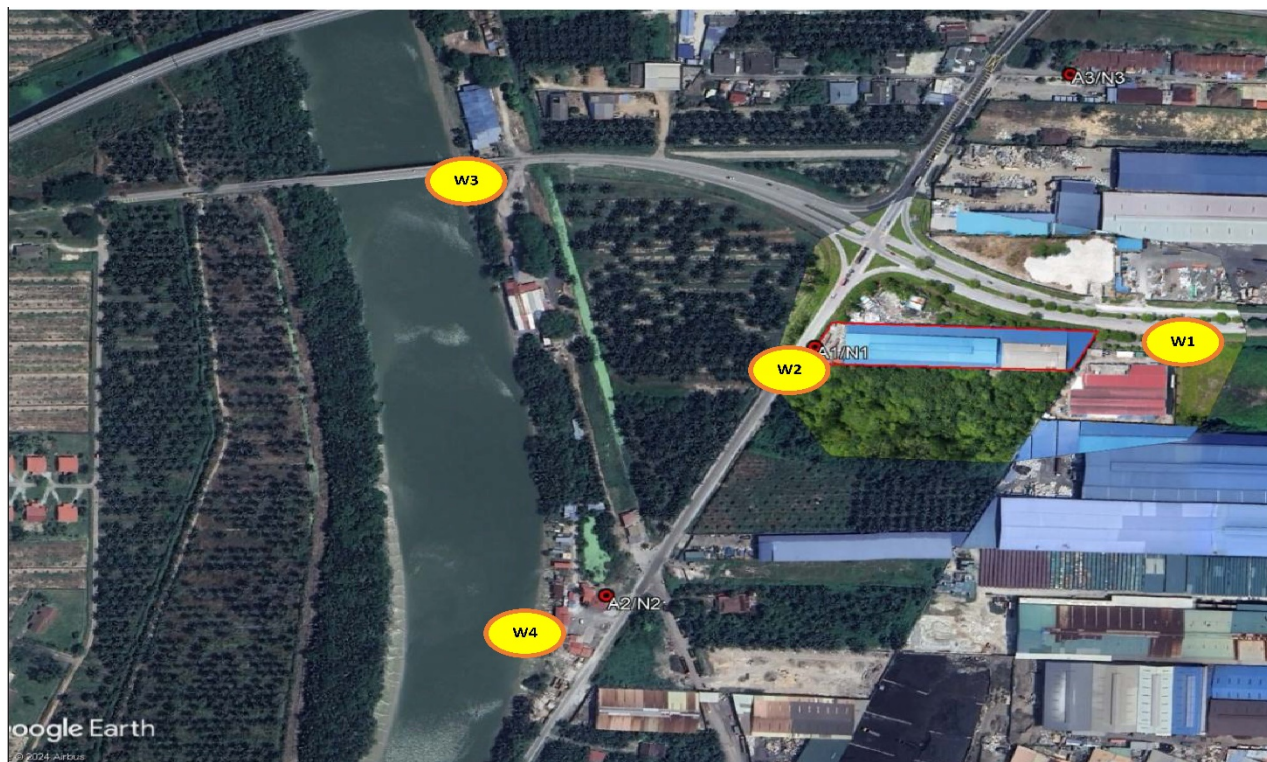
PROGRAM PEMANTAUAN KESAN (IM)

Program pemantauan kesan alam sekitar (IM) adalah untuk mengenalpasti perubahan kepada alam sekitar yang diramalkan dan tidak dijangka disebabkan oleh cadangan Projek akan dijalankan seperti yang dinyatakan di bawah.

Laporan Pemantauan Kualiti Alam Sekitar suku tahunan adalah disyorkan untuk dikemukakan kepada Jabatan Alam Sekitar berdasarkan data pemantauan yang diambil tiga bulan sekali, atau setiap tahun. Lokasi dan kekerapan pemantauan adalah ditunjukkan di dalam jadual di bawah.



STESEN PERSAMPELAN UNTUK KUALITI AIR



Lokasi	Deskripsi	Koordinat	
		Latitud	Longitud
W1	Hulu (Longkang Luaran - Sebelum tapak Projek)	2°53'21.16"N	101°27'28.60"E
W2	Hilir (Tapak Longkang Luaran Selepas Projek)	2°53'20.50"N	101°27'19.15"E
W3	Hulu (Sungai Langat)	2°53'26.07"N	101°27'10.31"E
W4	Hilir (Sungai Langat)	2°53'12.30"N	101°27'12.62"E

PENILAIAN IMPAK DAN LANGKAH-LANGKAH MITIGASI

PROGRAM PEMANTAUAN KESAN (IM)

STESEN PERSAMPELAN UNTUK KUALITI UDARA



Lokasi	Deskripsi	Koordinat	
		Latitud	Longitud
A1	Sempadan Projek	2°53'21.03"N	101°27'19.46"E
A2	Pengkalan Nelayan Simpang Telok	2°53'13.42"N	101°27'14.20"E
A3	Taman Perkasa	2°53'29.36"N	101°27'25.89"E

PENILAIAN IMPAK DAN LANGKAH-LANGKAH MITIGASI

PROGRAM PEMANTAUAN KESAN (IM)

STESEN PERSAMPELAN UNTUK KUALITI BUNYI



Lokasi	Deskripsi	Koordinat	
		Latitud	Longitud
N1	Sempadan Projek	2°53'21.03"N	101°27'19.46"E
N2	Pengkalan Nelayan Simpang Telok	2°53'13.42"N	101°27'14.20"E
N3	Taman Perkasa	2°53'29.36"N	101°27'25.89"E

PENILAIAN IMPAK DAN LANGKAH-LANGKAH MITIGASI

Impak	Punca Impak	Tahap Impak	P2M2 Disyorkan	Rujukan dalam Laporan EIA
Fasa Operasi				
1. Pencemaran air/tanah akibat pengendalian	Tumpahan dan pelepasan tidak sengaja	<ul style="list-style-type: none"> • Boleh Signifikan 	<ul style="list-style-type: none"> • Penyimpanan dan pengendalian buangan terjadual yang selamat • Gunakan beg jumbo dan palet untuk pembendungan. • Simpan semua bahan mentah dengan mematuhi garis panduan amalan baik. • Semak bahan mentah yang masuk untuk memastikan penerimaan berdasarkan kriteria penerimaan sisa. 	Seksyen 8.2.1
2. Pencemaran air/tanah akibat pengangkutan	Tumpahan atau pembuangan buangan terjadual secara tidak sengaja semasa pengangkutan	<ul style="list-style-type: none"> • Boleh Signifikan 	<p><u>Pengangkutan Buangan Terjadual</u></p> <ul style="list-style-type: none"> • Sediakan pelan logistik dan laluan. • Semua kenderaan hendaklah dilengkapi dengan kemudahan pembersihan • Periksa keadaan trak sebelum digunakan. <p><u>Tumpahan atau Pelepasan Secara Tidak Sengaja</u></p> <ul style="list-style-type: none"> • Gunakan peralatan perlindungan kakitangan (PPE) yang sesuai untuk memberi perlindungan kepada pekerja dalam mengendalikan sebarang tumpahan yang tidak disengajakan • Kontraktor/PP hendaklah membendung, membersihkan dan mengurangkan sebarang tumpahan atau pembuangan sisa yang tidak disengajakan secepat mungkin. • Laluan pengangkutan untuk mengelakkan kawasan berpenduduk padat, kawasan tadahan air dan kawasan sensitif alam sekitar yang lain. 	Seksyen 8.2.2

PENILAIAN IMPAK DAN LANGKAH-LANGKAH MITIGASI

Impak	Punca Impak	Tahap Impak	P2M2 Di syorkan	Rujukan dalam Laporan EIA
3. Bahaya kebakaran di loji	<ul style="list-style-type: none"> Pencucuhan bahan api secara tidak sengaja 	Boleh Signifikan	<ul style="list-style-type: none"> Mempunyai ERP yang telah dilatih dengan baik yang boleh dilaksanakan dalam masa yang singkat. Sistem pemadam kebakaran dengan siren akan dipasang. Sistem yang perlu diperiksa dan diselenggara secara berkala. Dilarang merokok dan larangan mancis, pemetik api dan alat penyalaan lain di Loji. Anggota bomba, apabila perlu, memakai peralatan perlindungan yang betul dan alat pernafasan serba lengkap. Untuk menghubungi balai bomba apabila diperlukan. Semua bilik tertutup hendaklah dipasang dengan pintu berkadar api sekurang-kurangnya satu jam. Alat pemadam api perlu diletakkan di pelbagai lokasi strategik untuk memudahkan akses. 	Seksyen 8.2.5
4. Buangan terjadual/ sisa-sisa/ enap cemar	<ul style="list-style-type: none"> Bahan ditolak daripada proses pemuliharaan 	Boleh Signifikan	<ul style="list-style-type: none"> Buangan terjadual yang dihasilkan daripada operasi kitar semula hendaklah disimpan dalam tempat yang sesuai, dilabel dan kemudian dilupuskan di Kualiti Alam (KA) Buangan yang terhasil daripada proses pemuliharaan sisa hendaklah disimpan dalam bekas yang sesuai dan kemudian dilupuskan di tapak pelupusan sampah yang diluluskan untuk sisa tidak terjadual. Kawasan penyimpanan mesti berbumbung untuk mengelakkan kemasukan air hujan dan mesti mempunyai pengudaraan yang mencukupi. . 	Seksyen 8.2.9
5. Sisa pepejal	<ul style="list-style-type: none"> Sisa domestik 	Tidak Signifikan	<ul style="list-style-type: none"> Sisa domestik akan diuruskan oleh pihak berkuasa tempatan dan dilupuskan di tapak pelupusan sampah yang ditetapkan 	Seksyen 8.2.9

PENILAIAN IMPAK DAN LANGKAH-LANGKAH MITIGASI

Impak	Punca Impak	Tahap Impak	P2M2 Di syorkan	Rujukan dalam Laporan EIA
6. Pencemaran bunyi	<ul style="list-style-type: none"> Disebabkan oleh kenderaan pengangkutan semasa operasi Operasi <i>polishing</i> dan <i>bailing</i> 	Boleh Signifikan	<ul style="list-style-type: none"> Pastikan semua peralatan operasi mempunyai sistem ekzos yang berfungsi baik. Kipas angin dan pam udara emparan hendaklah berfungsi dengan baik sepanjang operasi proses, dengan servis dan penyelenggaraan yang kerap. 	Seksyen 8.2.7
7. Pencemaran udara	<ul style="list-style-type: none"> Pembebasan zarah terampai daripada sistem kawalan pencemaran udara (APCS) 	Boleh Signifikan	<ul style="list-style-type: none"> Penyelenggaraan semua peralatan kawalan pencemaran udara (APCS) di loji 	Seksyen 8.2.3
8. Bahaya kesihatan dan keselamatan	<ul style="list-style-type: none"> Semasa Operasi 	Tidak Signifikan	<ul style="list-style-type: none"> Untuk menerima pakai prosedur keselamatan industri yang diberikan dalam Peraturan OSHA 1994. Helaian Data Keselamatan hendaklah disimpan di tapak untuk pemeriksaan. Prosedur kecemasan, pelan tindakan dan latihan tetap akan dilaksanakan. Dilarang merokok di dalam Loji. Pekerja hendaklah memakai sarung tangan pelindung, cermin mata keselamatan dan pakaian pelindung lain apabila diperlukan. Latihan kepada pekerja tertentu perlu disediakan seperti kursus memberikan pertolongan cemas. Peti pertolongan cemas perlu disediakan dengan mudah diakses. Latihan intensif mengenai prosedur keselamatan perlu disediakan untuk semua kakitangan. 	Seksyen 8.2.6

EXECUTIVE SUMMARY

PROPOSED PLASTIC WASTES RECYCLING FACILITIES AND SCHEDULED WASTES (SW 110 & SW 422) SORTING FACILITIES ON LOT 327, MUKIM TELUK PANGLIMA GARANG, TEMPAT TELOK 12TH MILE, DAERAH KUALA LANGAT, SELANGOR DARUL EHSAN BY WAN LIN TECHNOLOGY SDN. BHD

FIRST SCHEDULE ENVIRONMENTAL IMPACT ASSESSMENT (EIA)

EXECUTIVE SUMMARY

INTRODUCTION

This is an Environmental Impact Assessment (EIA) report prepared for Wan Lin Technology Sdn Bhd. (WLT), to be submitted to the Department of Environment (DOE) Selangor for approval. This EIA Project is herewith referred to as the “**PROPOSED PLASTIC WASTES RECYCLING FACILITIES AND SCHEDULED WASTES (SW 110 & SW 422) SORTING FACILITIES ON LOT 327, MUKIM TELUK PANGLIMA GARANG, TEMPAT TELOK 12TH MILE, DAERAH KUALA LANGAT, SELANGOR DARUL EHSAN.**”. Hereafter, it will be known as the Project.

PROJECT PROPONENT AND QUALIFIED PERSON



PROJECT PROPONENT

WAN LIN TECHNOLOGY SDN. BHD. (WLT)

Address : LOT 327, Mukim Teluk Panglima Garang,
Tempat Telok 12th Mile,
Daerah Kuala Langat, Selangor Darul Ehsan

Contact Person : Liu Junyi

Telephone No : 016-4050178

Email : wanlintechnologysb@gmail.com



EIA CONSULTANT

KESPRO CONSULTANTS SDN BHD



Address : No.A-07-09, Level 7, Block A, Sunway Geo Avenue,
Jalan Lagoon Selatan, Sunway South Quay,
Bandar Sunway,
47500 Subang Jaya, Selangor Darul Ehsan.

Contact Person : Chong Shiau Iun @ Abraham (EIA Team Leader)
(EIA Consultant: CEP-CS0111)

Telephone No : 019 - 820 1820

Email : chongsi@hotmail.com



EIA STUDY TEAM MEMBER

EIA Study Team Leader

1. Chong Shiau Iun @ Abraham

EIA Consultant (CEP-CS0111)

Waste Management; Water Quality; Quantitative Risk Assessment; Occupational Safety and Health

EIA Study Team Member

1. ChM Tang Ching Ching

EIA Consultant (CEP-C0073)

Air Quality; Noise Quality; Baseline Monitoring for Water Quality

2. Agatha Francis Nasin

Subject Consultant (CEP-SS0140)

Social Impact Assessment

EIA Study Supporting Personnel

1. Suzana Antasila Binti Kamalludin

Land Use, Socio-Economy

2.. Freddy Lee

GIS Mapping

LEGISLATIVE REQUIREMENTS

This Project which falls under First Schedule, Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order, 2015:

- First Schedule, Activity 14(b)(ii) Waste Treatment and Disposal: Solid Waste: Construction of Recovery Plant or Recycling Plant and Activity 14 (a)(i) Scheduled Waste: Construction of Recovery Plant (Off-Site)



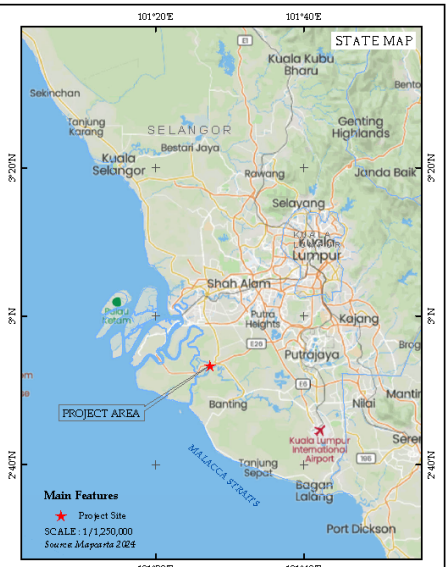
STATEMENT OF NEED

- The recyclable waste and scheduled waste facility will introduce a new dimension to the economics of the manufacturing sector.
- The economic activities directly created include collection, transportation and recycling wastes, and sales of recovered products. Indirect services created include environmental consultancy, impact assessment, management and monitoring services by professionals.
- These economic activities and benefits are derived from environmental awareness and consciousness in conservation of resources and responsibility of all waste generators in circular economy.
- The need for this Project is therefore justified from environmental and sustainability point of view besides offering economic benefits, business and job opportunities.

PROJECT LOCATION



LOCALITY MAP



LEGEND

Main Features

- ★ Project Centre
- Project boundary
- Project Site
- Major road
- Main river
- Minor road

SCALE: 1/50,000 [LOCALITY A4]

0 0.5 1 1.5 2 2.5
 Kilometers
 WGS84 Geographic Coordinates

BOUNDARY COORDINATES

A 02° 30' 21.7" N, 101° 27' 19.9" E
 B 02° 30' 21.9" N, 101° 27' 26.5" E
 C 02° 30' 20.8" N, 101° 27' 25.5" E
 D 02° 30' 20.5" N, 101° 27' 19.2" E
 X 02° 30' 21.0" N, 101° 27' 22.8" E

MAP NO: wtk-fl-locality DATE: 19-11-2024 Project Proponent: WAN LIN TECHNOLOGY SDN BHD

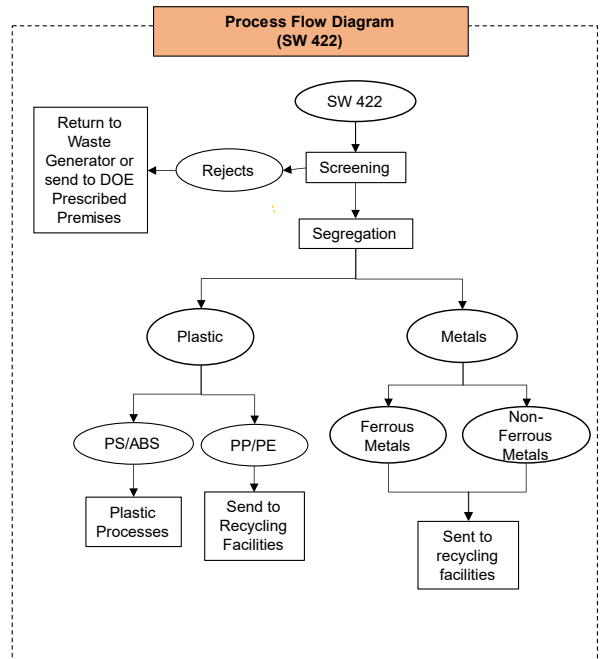
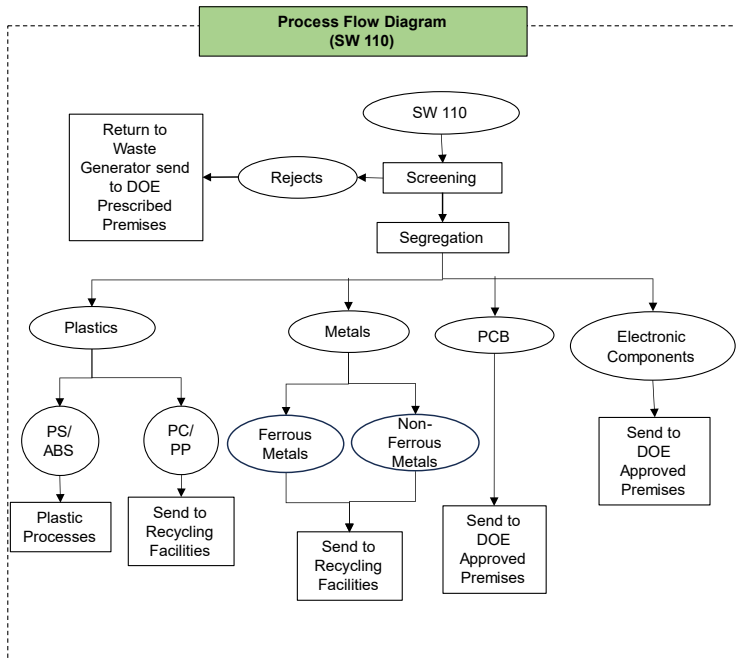
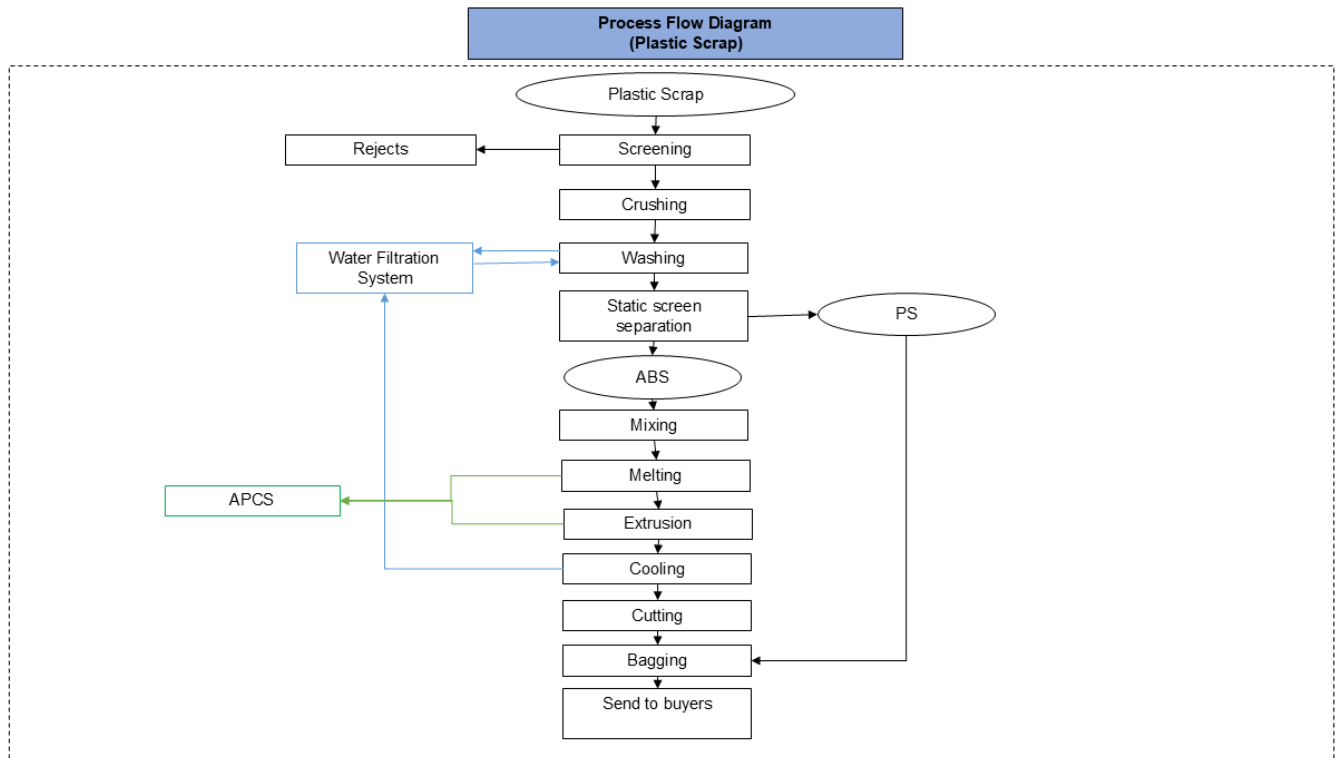


SITE MAP



PROJECT DESCRIPTION

The Project Proponent (PP) intends to operate a recycling facilities (Phase 1) for plastic scraps and sorting facility (Phase 2) for Scheduled Waste (SW110 and SW422)



PROJECT ACTIVITIES



OPERATION PHASE

- Operation of plastic recycling and scheduled waste sorting facilities (SW110 and SW422)
- Maintenance of building, facilities and utilities

EXISTING ENVIRONMENT



GEOLOGY

Quaternary
Marine and continental deposits (clay, silt, sand, peat with minor gravel)



TOPOGRAPHY

This Project will be sited on a piece of flat land area within Telok Panglima Garang



SOIL

Selangor-Kangkung soil series



CLIMATE

Climate Data except Wind Rose (2014- 2023): Subang Station
Climate Data for Wind Rose (2014-2023): Subang Station
Average Annual Rainfall: 3,067.4 mm
24-hr mean temperature: 27.3 °C to 28.6 °C
24-hr mean relative humidity: 73.1% to 82.1%
Surface winds often blow from northwest (17.7%), followed by west (12%) and then South (11.7%) and North (10.9%).



LAND USE

Within the Project site:

- The Project site is located within Telok Panglima Garang– an industrial area in Selangor.
- The immediate neighboring lots of the Project site are Castco Sdn Bhd and Ever Classic Plastic Industries Sdn Bhd.

Within 3-km Radius from the Boundary of the Project site:

- Land use within 1 km to 3 km radius from the boundary of the Project site area made up of industry, residential areas, institutions and amenities.

IMPACT MONITORING (IM) PROGRAM

An environmental impact monitoring (IM) program to identify the predicted and unanticipated changes to the environment brought about by the proposed Project will be carried out as stated below.

A quarterly Environmental Quality Monitoring Report is recommended for submission to DOE based upon monitoring data collected monthly, quarterly or annually. The locations and frequencies of monitoring are shown in the table below.



SAMPLING LOCATIONS FOR WATER MONITORING



Location	Description	Coordinate	
		Latitude	Longitude
W1	Upstream (External Drain) Before Project site)	2°53'21.16"N	101°27'28.60"E
W2	Downstream (External Drain Before Sungai Langat)	2°53'20.50"N	101°27'19.15"E
W3	Upstream (Sungai Langat)	2°53'26.07"N	101°27'10.31"E
W4	Downstream (Sungai Langat)	2°53'12.30"N	101°27'12.62"E

IMPACT ASSESSMENT AND MITIGATION MEASURES



IMPACT MONITORING (IM) PROGRAM

SAMPLING LOCATION FOR AIR QUALITY



Location	Description	Coordinate	
		Latitude	Longitude
A1	Project Boundary	2°53'21.03"N	101°27'19.46"E
A2	Pengkalan Nelayan Simpang Telok	2°53'13.42"N	101°27'14.20"E
A3	Taman Perkasa	2°53'29.36"N	101°27'25.89"E

IMPACT ASSESSMENT AND MITIGATION MEASURES



IMPACT MONITORING (IM) PROGRAM

SAMPLING LOCATION FOR NOISE QUALITY



Location	Description	Coordinate	
		Latitude	Longitude
N1	Project Boundary	2°53'21.03"N	101°27'19.46"E
N2	Pengkalan Nelayan Simpang Telok	2°53'13.42"N	101°27'14.20"E
N3	Taman Perkasa	2°53'29.36"N	101°27'25.89"E

IMPACT ASSESSMENT AND MITIGATION MEASURES

Impact	Sources of Impact	Degree of Impact	Proposed P2M2	Reference in EIA Report
Operation Phase				
1. Water/Soil pollution due to handling	Spillage and accidental discharge	Can be significant	<ul style="list-style-type: none"> • Safe Storage and handling of scheduled wastes • Use durable drums, boxes or jumbo bags for containment. • Store all raw materials in compliance with good practice guidelines. • Check incoming feedstock to ensure acceptance based on waste acceptance criteria. 	Section 8.2.1
2. Water/ Soil pollution due to transportation	Spillage or accidental discharge of scheduled wastes during transportation	Can be significant	<p><u>Transport of Scheduled Wastes</u></p> <ul style="list-style-type: none"> • Prepare a logistic and routing plan. • All vehicles to be equipped with cleaning up facilities • Check condition of the trucks before use. <p><u>Accidental Spillage or Discharge</u></p> <ul style="list-style-type: none"> • Use appropriate personnel protective equipment (PPE) to provide protection for workers in handling any accidental spillage. • The contractor/PP to contain, clean and abate any accidental spillage or discharge of the waste as soon as possible. • Transport route to avoid densely populated areas, water catchment areas and other environmentally sensitive areas. 	Section 8.2.2

IMPACT ASSESSMENT AND MITIGATION MEASURES

Impact	Sources of Impact	Degree of Impact	Proposed P2M2	Reference in EIA Report
3. Fire hazard in the plant	Accidental ignition of fuel used for furnace combustion	Can Be significant	<ul style="list-style-type: none"> • Have a well-rehearsed ERP that can be put into effect at short notice. • A central automatic fire-fighting system with sirens to be installed. • The system to be regularly inspected and maintained. • No smoking and prohibition of matches, lighters and other ignition devices in the Plant. • To call the fire stations when needed firefighters, when required, to wear proper protective equipment and self-contained breathing apparatus. • All enclosed rooms should be fitted with fire rated doors of at least one hour. • Fire extinguishers should be placed at various strategic locations for easy access. 	Section 8.2.5
4. Scheduled waste/ residual waste	Generated from recycling process	Can be Significant	<ul style="list-style-type: none"> • Scheduled wastes (if any) generated from the recovery operation shall be stored in suitable contained, labelled and then disposed at Kualiti Alam (KA) • Rejects/Residues (if any) from waste recycling process shall be stored in suitable container and then disposed at approved landfill for non-scheduled wastes • The storage area must be roofed to prevent entry of rainwater and must be ventilated adequately 	Section 8.2.9
5. Solid waste	Domestic waste	Insignificant	<ul style="list-style-type: none"> • Domestic waste will be managed by local authority and disposed at their designated landfill 	Section 8.2.9

IMPACT ASSESSMENT AND MITIGATION MEASURES

Impact	Sources of Impact	Degree of Impact	Proposed P2M2	Reference in EIA Report
6. Noise pollution	<ul style="list-style-type: none"> - Caused by transport vehicles during the operation - Polishing and bailing operations 	Can be significant	<ul style="list-style-type: none"> • Ensure that all operation equipment has functional exhaust systems. • Air fan and centrifugal air pumps shall function adequately throughout the smelting process operation, with regular service and maintenance. 	Section 8.2.7
7. Air pollution	Emission of hazardous gases and particulate matters from chimney (APCS)	Can be significant	<ul style="list-style-type: none"> • Maintenance of all APCS equipment in the Plant 	Section 8.2.3
8. Health and safety hazards	During operation	Insignificant	<ul style="list-style-type: none"> • To adopt industrial safety procedures given in the OSHA Regulation 1994. • Safety Data Sheets to be kept on site for inspection. • Emergency procedures, action plans and regular drills to be executed. • No smoking allowed within the Plant. • Workers, when necessary, to wear protective gloves, safety goggles and other protective clothing. • Train certain workers to provide first aid and have available easily accessible first aid kits. • Intensive training on safety procedures should be provided for all personnel. 	Section 8.2.6