



1. **Family name:** Lee
2. **Given names:** Kuok Chiang @ Terence
3. **Date of birth:** 3 July 1980
4. **Passport holder:** Malaysian
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
Universiti Teknologi Malaysia (UTM) 2009	Bachelor of Engineering (Hons) Civil (Environmental)

Other Training	
Year	Subject and place
2011	EIA Induction Course 4/2011 Department of Environment
2010	Certified Professional in Erosion and Sediment Control (CPESC) Department of Environment
2008	Seminar on Continuous Emission Monitoring Systems (CEMs) Department of Environment
2008	Sea Survival & Offshore Safety Procedures, Helicopter underwater Escape Training with EBS and Basic Fire Fighting & Self Rescue SMTC Global
2007	Latest Development on ESCP Requirement for Drainage Plan Submission Department of Irrigation and Drainage
2007	Waste Management Conference and Exhibition Environmental management & Research Association of Malaysia (ENSEARCH)
2007	In house training: Water Quality Modeling Chemsain Konsultant Sdn Bhd
2006	Workshop on How to Design Detention/sediment Basins and Culverts for Compliance with the "Urban Stormwater management Manula for Malaysia by DID Dr. Quek and Associates

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	2	2	2
Malay	2	2	2
Chinese	2	2	2

7. **Membership of professional bodies**

Board of Engineer Malaysia (BEM)
Institute of Engineer Malaysia (IEM)

8. **Registrations:**

Environment Protection Department (EPD), Sabah: Registration No.: **S0136**
Natural Resources Environment Board (NREB), Sarawak: Registration No.: **NREB/I/00702**
Department of Environment (DOE) Malaysia: Registration No.: **C0123**



Construction Industry Development Board Malaysia (CIDB): Registration No.: **W51041220030023**

9. **Present position:** Project Manager, Chemsain Konsultant Sdn Bhd:

10. **Years within the firm: 8**

11. **Professional experience**

Period	Employer	Position and Main Activities
March 2009 – Present	Chemsain Engineering Sdn. Bhd., Kota Kinabalu, Sabah	Project Manager Provide consultancy services in environmental and wastewater engineering aspects.
May 2004 – February 2009	Chemsain Engineering Sdn. Bhd. Kuching, Sarawak	Environmental Engineer Conduct and prepare EIA and EMP report, DOE permitting approval and wastewater treatment analysis study
2003-2004	Tripoly Environmental Engineering Sdn. Bhd.	Project Engineer Design works in sewage treatment and wastewater treatment system and unit processes to comply with authorities' guidelines and requirement.

Environmental Impact Assessment (EIA) Undertaken:

No	Project Title and Location	Client	Task	Year
1	EIA for the Whole Papar Quarry Life Plan at Benoni, Papar, Sabah	Hap Seng Building Materials Sdn Bhd	Hydrology	Ongoing
2	EIA for the Proposed Replanting of Oil Palm Plantation at Bt. Sekong Estate, Kinabatangan District, Sabah	Abedon Sdn Bhd	Hydrology	Ongoing
3	EIA for the Proposed Replanting of Oil Palm Plantation at Bumiwealth / Inobong / Kolopis / Tanaki Estates, Kinabatangan District, Sabah	Abedon Sdn Bhd	Hydrology	Ongoing
4	EIA for the Proposed Harbour City (Lot 37) at Tanjung Aru, Sembulan, Jalan Pantai Baru, Kota Kinabalu City, Sabah, Malaysia	Capitol Avenue Development Sdn Bhd	Hydrology	Ongoing
5	EIA for "Projek Bekalan Air Luar Bandar (BALB) Sistem Retikulasi Negeri Sabah Tahun 2011/2012 – Zon 12C (Cadangan Pembinaan Empangan Di Pulau Lihak-Lihak, Semporna)"	Kementerian Kemajuan Luar Bandar & Wilayah	Hydrology	Ongoing
6	EIA for the Proposed 13 & 14-Storey Apartments on NT.213101921, NT.213089297 & PL.216170740, Jalan Minintod, Penampang	Isratama Sdn Bhd	Hydrology	Ongoing
7	EIA for the Proposed Development of Fishery Low-Cost Apartment (Ph 1) – 1,000 Units 5-Storey Walk-Up Low-Cost Apartment at Mile 3, Jalan Bomba, Off Jalan Utara, Sandakan, Sabah	Integral Acres Sdn Bhd	Hydrology	Ongoing
8	PEIA for the 300MW Gas-Fired Combined Cycle Power Plant Project at POIC Lahad Datu Phase 3, Sabah	Eastern Sabah Power Consortium Sdn Bhd	Assistant to Air Quality	Ongoing
9	EIA for Proposed Establishment of Oil Palm Plantation (OPP) within Desa Tea Sdn Bhd Area, District of Ranau, Sabah	Desa Tea Sdn Bhd	Hydrology	Ongoing



No	Project Title and Location	Client	Task	Year
10	EIA for the Proposed Quarry Activities for Jesselton Hills Development at Menggatal, Kota Kinabalu, Sabah	Hap Seng Building Materials Sdn Bhd	Hydrology	Ongoing
11	EIA for Proposed Oil Palm Plantation (OPP) in Lot 5, Bonggaya Forest Reserve, Sabah	Satria Eramaju Sdn Bhd	Hydrology	Ongoing
12	EIA for Proposed Oil Palm Plantation (OPP) in Lot 4, Bonggaya Forest Reserve, Sabah	Aspirasi Kristal (M) Sdn Bhd	Hydrology	Ongoing
13	EIA for Proposed Karambunai Integrated Resort City (Phase 1), Golf Course and Waterfront Community On CL.045091174 at Karambunai, Menggatal, Kota Kinabalu, Sabah	Karambunai Resorts Sdn Bhd	Hydrology	Ongoing
14	SEIA for the Proposed Dam Upstream of Cinta Mata Treatment Plant, Tawau, Sabah	Jurutera Perunding Campo Sdn Bhd	Project Coordinator, Hydrology & ESCP	Ongoing
15	EIA for the Proposed New Road From Kg. Kapitangan to Kg. Dogoton at Pulau Banggi, District of Kudat, Sabah	Perunding Shahelmey & Rakan-Rakan Sdn Bhd	Hydrology	Ongoing
16	EIA for the Proposed Condominium Development on L2723 & L015395196 Mile 3½, Off Jalan Tuaran, Kota Kinabalu	Country View Development Sdn Bhd	Hydrology	May 2012
17	PEIA and QRA for Proposed Oil Waste Recycling Plant at Innatech Waste Management (L) Sdn Bhd, Asian Supply Base, Labuan	Innatech Waste Management (L) Sdn Bhd	Hydrology, Wastewater, Erosion & Sediment Control, General Environmental Management	May 2012
18	EIA for the Proposed River Sand Mining on Lot CL.2400, Kg. Melulugus, Beaufort, Sabah	Fung Kim Soo	Hydrology	May 2012
19	EIA for "Cadangan Pembinaan Terminal Bas Bersepadu Batu 3½, Jalan Lintas Utara, Sandakan, Sabah"	Majlis Perbandaran Sandakan	Hydrology	April 2012
20	EIA for the Proposed Resort Hotel and Resort Real Estate in Dalit Bay, Tuaran, Kota Kinabalu, Sabah	Tekun Cemerlang Sdn Bhd	Hydrology	March 2012
21	EIA for "Cadangan Pembinaan Kediaman Koums Asrama UMS di Atas Tanah Lot NT.013087459 & NT.013087440 di Kg. Numbak, Kuala Menggatal, Kota Kinabalu"	Likas Bay Precint Sdn Bhd	Hydrology	December 2011
22	EIA for Proposed Condominium Development on Lot 1465, 015395203 & 015358899 at Mile 3 ½, Tuaran Road, Kota Kinabalu (with Subsidiary Strata Titles to be Applied For)	Setiajati Development Sdn Bhd	Hydrology	November 2011
23	EIA for Replanting of Oil Palm Plantations at Ladang Sg. Tenegang and Ladang Sg. Koyah, District of Kinabatangan, Sabah	THP Sabaco Sdn Bhd	Hydrology	November 2011



No	Project Title and Location	Client	Task	Year
24	EIA for Proposed River Sand Dredging on PT.20-10080872 at Sg. Klagan, Beluran, Sabah	Hidayah Mewah Sdn Bhd	Hydrology	September 2011
25	EIA for Replanting of Oil Palm Plantations at Desa Talisai Estates, Mile 54, Jalan Sandakan–Telupid	IJM Plantations Berhad	Hydrology	August 2011
26	EIA for Proposed River Sand Dredging on PT.20-06040448 at Kg. Kosusu/Kionsom, Topokon, Tuaran, Sabah	Dynamic Visa Sdn Bhd	Hydrology	August 2011
27	EIA and Social Responsibility (SR) Scoping for Belud Field Development	HESS (Malaysia-SB302) Limited	Project Coordinator	August 2011
28	EIA for the Proposed Development on CL.175331012 at Kg. Binsulok, Beaufort, Sabah	Visage Evergreen Sdn Bhd	Hydrology	August 2011
29	EIA for the Proposed Development on CL.175330980 and CL.175320957 at Kg. Binsulok, Beaufort, Sabah	Amity Estates Sdn Bhd	Hydrology	May 2011
30	EIA for “Cadangan Membina Jeti Kargo di Timbang Dayang, Pulau Banggi, Daerah Kudat, Sabah”	Perunding Shahelmey dan Rakan-Rakan Sdn Bhd / Felcra Berhad	Hydrology	April 2011
31	PEIA for the Proposed Stockyard On Lot 205314307, Sg. Keling Off Jalan Ranche-Ranche, Wilayah Persekutuan Labuan	AB Enterprise	Infrastructure, Utilities and Transportation	March 2011
32	EIA for Proposed “Pembinaan Taman Rekreasi Offshore (Padang Golf) Di Kiamsam, Wilayah Persekutuan Labuan”	Saujana Scape & Greens Sdn Bhd	Hydrology	December 2010
33	PEIA for the Proposed Mobile Incinerator at Institut Penyelidikan Bioteknologi (IPB)	Ekovest Construction Sdn Bhd	Hydrology and Drainage	December 2010
34	EIA for the Proposed Puncak Menggatal Development (9.974 acres) at Menggatal, Sabah	Chang Cheng Realty Sdn Bhd	Hydrology	February 2011
35	PEIA & QRA for the Proposed Scheduled Waste Treatment and Storage Facility at Ranche-Ranche Industrial Area, Labuan	Beyond Status Sdn Bhd	Hydrology, Infrastructure, Utilities and Transportation	January 2011
36	EIA for the Proposed Jesselton Hill Development at Menggatal, Sabah	Hap Seng Land Development (Jesselton Hill) Sdn Bhd	Hydrology	January 2011
37	DEIA for the Proposed Waste Incinerator Plant at Sabah	Faber Medi-Serve Sdn Bhd	Hydrology	December 2010
38	EIA for Proposed 148 Units of 14-Storey High-End Condominium on CL.015101461 at Jalan Bantayan, Kota Kinabalu	Sara-Timur Realty Sdn Bhd	Hydrology	April 2010
39	EIA for the Additional Site Preparation Works for the Proposed Sabah Oil & Gas Terminal (SOGT) Project in Kimanis Bay, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Project Coordinator, Hydrology and Drainage	January 2010
40	Provision of Drilling Environmental Study	BHP Billiton Petroleum (Sabah) Corporation	Project Coordinator	October 2009
41	EIA for “Projek Cadangan Pembinaan Kompleks Sukan Sipitang, Sabah”	Jeramaju Sdn Bhd	Hydrology	July 2009



No	Project Title and Location	Client	Task	Year
42	PEIA and QRA for the Proposed Kimanis Power Project at Kimanis Bay, District of Papar, Sabah	Petronas Gas Berhad	Hydrology and Bathymetry	July 2009
43	EIA for the "Proposed Sports School At Kota Kinabalu, Sabah"	B.H.O. Sdn Bhd	Hydrology	May 2009
44	EIA for "Site Preparation Works for the Proposed Kimanis Power Project at Kimanis Bay, District of Papar, Sabah"	Petronas Gas Berhad	Hydrology	April 2009
45	EIA for the Existing Teluk Sepangar Quarry at Kilometre 25, Jalan Teluk Sepangar, Sabah	Teluk Sepangar Quarry Sdn Bhd	Project Coordinator, Traffic Management	March 2009
46	EIA for the Proposed Sand Dredging & Processing On NT.043166909, NT.043078691, NT.043166892 and NT.04316688 at Sg. Tuaran, Tuaran District, Sabah	Juta Segi Sdn Bhd	Hydrology	February 2009
47	EIA for Kumang Cluster Development Project (Phase 1)	Petronas Carigali Sdn Bhd	Project Coordinator	February 2009
48	EIA for "Cadangan Pembinaan dan Menyiapkan PPMS (Program Penempatan Masyarakat Setempat) di Pulau Banggi, Daerah Kudat, Sabah"	Felcra Berhad	Hydrology	January 2009
49	EIA for D1 Cluster Oil Fields (D30 and Dana) Development Project, Block SK305	PCPP Operating Co. Sdn Bhd	Assistant Project Coordinator	December 2008
50	PEIA for the Proposed Organic Wastes Bio-recovery Plant on NT 9180 and NT 9322 in Kimanis, Papar District, Sabah	AGSB Bio-Recovery (M) Sdn Bhd	Hydrology and Drainage	December 2008
51	EIA for the Proposed Biomass Fired Combined Heat & Power Plant Project at POIC Phase II, Lahad Datu, Sabah	Eco Biomass Power Sdn Bhd	Hydrology & Wastewater	November 2008
52	EIA for the Proposed 132 Units Terrace Houses on CL.025362547 at Kinarut South, Papar, Sabah	LPPB	Hydrology	November 2008
53	EIA for the Proposed Residential Development on CL 16913 At Bukit Padang, Kota Kinabalu, Sabah	Saturn Development Sdn Bhd	Hydrology	November 2008
54	EIA for the Proposed Borrow Pit 5 (NT.213096906) for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Project Coordinator, Hydrology	November 2008
55	EIA for the Aggregate Quarry Operation at Bukit Benoni, Papar, Sabah	Hap Seng Building Materials Sdn Bhd	Hydrology	November 2008
56	EIA for Proposed 4-Storey Hotel (106-Rooms) and 2-Block 4-Storey Condotels (144-Units) with Strata Titles to be Applied on NT.1410 & NT.1411 at Jalan Tamparuli-Ranau, Kundasang, District of Ranau, Sabah	Kinsabina Sdn Bhd	Hydrology	October 2008
57	Detailed EIA for the Proposed Projek Aluminium Smelting Plant and Supporting Facilities, Mukah Land District	Press Metal Sarawak Sdn Bhd	Hydrology	October 2008



No	Project Title and Location	Client	Task	Year
58	EIA for the Proposed Oil Palm Plantation (OPP) On Lot 2 (10,000 Hectares), Labuk and Sugut District, Sabah	Kelola Maju Sdn Bhd	Hydrology	September 2008
59	EIA for Replanting of Oil Palm Plantation at Baturong 1 Estate (2,822 Ha), Lahad Datu, Sabah	IOI Corporation Berhad	Hydrology	August 2008
60	EIA for "Cadangan Menaiktaraf, Membina & Menyiapkan Institut Pendidikan Guru (IPG) Kent, Tuaran, Sabah"	PSM Supplier Sdn Bhd	Hydrology	August 2008
61	EIA for the Proposed Oil Palm Plantation at Sg. Semawang, Sandakan District, Sabah	Metro Tulus Sdn Bhd	Project Coordinator & Land Use	July 2008
62	EIA for the Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110KM) – Pakej 2 (Marak Parak-Togop (30KM)	Jabatan Kerja Raya, KK	Project Coordinator, Hydrology, Traffic Management, Infrastructure & Utilities	June 2008
63	EIA for Proposed Site Preparation Works for Stage 1 of Phase 1 of the Proposed Aluminium Smelting Plant in Mukah Land District, Mukah Division, Sarawak	Press Metal Sarawak Sdn Bhd	Project Coordinator, Hydrology	June 2008
64	EIA for the Proposed Multi-Storey Office Cum Commercial Complex and Hotel Apartment for LPPB On CL 017547161 & CL 01546918 At Jalan Istana, Kota Kinabalu, Sabah	Benteng Pulangan Sdn Bhd	Project Coordinator, Traffic & Waste Management	May 2008
65	EIA for Cadangan Pembinaan Kolej Kesihatan Fasa II, Bukit Padang, Sabah Secara Rundingan Terus 'Design & Build'	Empangan Emas Sdn Bhd	Hydrology	April 2008
66	EIA for the Proposed Site Preparation Work for Stage 1 of Phase 1 of the Proposed Aluminium Smelting Plant in Mukah Land District, Mukah Division, Sarawak.	Press Metal Berhad	Project Coordinator and Hydrology	March 2008
67	EIA for Proposed Land Disposal Area for Sabah Oil and Gas Terminal (SOGT) Project at Kimanis Bay, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Project Coordinator, Hydrology & Drainage	March 2008
68	EIA for the Proposed 12 Units Chalets and Hanging Bridge (Future 12 Units VIP Chalets & Multi Purpose Hall) On CL 065313662 At Kundasang, Ranau, Sabah	Perkasa Hotel Holdings Sdn Bhd	Project Coordinator, Traffic & Waste Management	January 2008
69	EIA for the Proposed Causeway-Bridge Linking Mainland to Pulau Udar Kecil at Sepangar Bay, Kota Kinabalu, Sabah	Trans Resources Corporation Sdn Bhd	Project Coordinator, Traffic, Infrastructure & Utilities	January 2008



No	Project Title and Location	Client	Task	Year
70	EIA for the Proposed Resort Development Consisting Reception Complex, Spa Village, 37 Units of hill Villas and 25 Units Mangrove Villas at Malohom Bay, Pulau Gaya, Sabah	Magna Boundary Sdn Bhd	Project Coordinator, Traffic Management, Infrastructure & Utilities	January 2008
71	EIA for Proposed Earth Disposal at Industrial Zone 8 (IZ8) Phase 2 at Kota Kinabalu Industrial Park (KKIP), Tuaran District, Sabah	KKIP Sdn Bhd	Project Coordinator & Traffic	November 2007
72	EIA for the Proposed Commercial and Housing Development on CL.025319401 Kinarut South, Level 2, Centre Papar, Sabah	Lembaga Pembangunan Perumahan Dan Bandar	Project Coordinator, Waste Management, Drainage & Hydrology	November 2007
73	EIA for Proposed Mixed Development Consisting of 1 Block of 27 Storeys Condominium, 2 Blocks of 18 Storeys Condominium, 1 Block of 29 Storeys Hotel & Service Apartments with 8 Units Retail Space & 3 Levels of Carparking Facilities at Lower Ground on Title No. 017544366, Lot 2 (017546495) & Lot 3 (017546486) (with Subsidiary Strata Title to be Applied For) at Tanjung Lipat, Kota Kinabalu, Sabah, Malaysia	South-East Best Sdn Bhd	Project Coordinator, Traffic & Waste Management	October 2007
74	EIA for the Proposed Crushing Activities at Bandar Sierra Development Site, Menggatal, Sabah	Ready Impact Sdn Bhd	Project Coordinator, Traffic & Waste Management	October 2007
75	EIA for the Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110km) – Pakej 1 (Kota Marudu-Marak Parak 30km)	Jabatan Kerja Raya, KK	Project Coordinator, Hydrology, Traffic Management, Infrastructure & Utilities	October 2007
76	EIA for Projek Cadangan Pembinaan Kompleks Sukan Ranau Di Atas Lot No. 06124204 dan 06125995, Kampung Lohan Ulu, Ranau, Sabah	Nadi Communication Sdn Bhd	Project Coordinator & Traffic Management	September 2007
77	EIA for the Proposed Spoils Disposal Area Onshore of Sabah for Unsuitable Material Obtained from Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Project Coordinator, Waste Management, Infrastructure & Utilities	September 2007
78	EIA for the Proposed Borrow Pit for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Project Coordinator, Waste Management, Infrastructure & Utilities	September 2007



No	Project Title and Location	Client	Task	Year
79	EIA for the Proposed Sand Borrow Area for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Project Coordinator, Traffic Management	September 2007
80	Proposed Upgrading of Jalan Putatan-Kepayan and Proposed Flyover at Jalan Lintas and Jalan Mat Salleh Junction, Kota Kinabalu, Sabah	Global Upline Sdn Bhd	Project Coordinator, Infrastructure & Utilities	August 2007
81	EIA for the Proposed Sand Extraction at Sg. Kimanis, Papar, Sabah	Papar Maju Sdn Bhd	Project Coordinator, Traffic Management	August 2007
82	PEIA for the Proposed Biodiesel Facility at Lahad Datu (Phase 2) and Proposed Pipelines to Kwantas Jetty, Sabah	Global Bio-Diesel Sdn Bhd	Waste Management, Infrastructure & Utilities, Technical Review	July 2007
83	Environmental Impact Assessment (EIA) and Quantitative Risk Assessment (QRA) for the Proposed Urea Formaldehyde, Phenol Formaldehyde, Melamine Formaldehyde and Phenolic Foam Plants at L.43789 (Lot 497), L.43892 (Lot 425) & L.43791 (Lot 426), Tanjong Bidut, Sibul, Sarawak.	Aldehyde Chemicals Sdn Bhd	Project Coordinator	November 2004
84	Environmental Impact Assessment (EIA) and Quantitative Risk Assessment (QRA) for the Melamine Plant Relocation Project in Bintulu, Sarawak.	ASEAN Bintulu Fertiliser (ABF) Sdn Bhd	Project Coordinator/ Engineering Aspects and Soil Erosion	December 2004

Environmental Impact Statement (EIS) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	Preliminary Site Assessment (PSA) for the Proposed Palm Oil Mill at Jalan Kalabakan, Tawau	Serijaya Industri Sdn Bhd	Hydrology, Wastewater and General Environmental Management	August 2010
2.	Preliminary Site Assessment (PSA) for the Proposed 3.20MW Biomass Based Power Plant within TSH Bio Energy and Eko Pulp & Paper Complex, Tawau, Sabah	Polar Vertex Sdn Bhd	Hydrology, Wastewater and General Environmental Management	April 2010
3.	Preliminary Site Assessment (PSA) for the Proposed 25MW Biomass Power Plant at Lahad Datu, Sabah	SD Resources Sdn Bhd	Hydrology, Wastewater and General Environmental Management	September 2009
4.	Preliminary Site Assessment Report (PAT) for Proposed 120MT/Hr Palm Oil Integrated Complex in Lahad Datu, Sabah	SD Resources Sdn Bhd	Hydrology, Wastewater and General Environmental Management	May 2009
5.	Preliminary Site Assessment Report (PAT) for Proposed 60MT/Hr Palm Oil Mill at Sukau, Kinabatangan District, Sabah	Sukau Palm Oil Mill Sdn Bhd	Hydrology	January 2009



No	Project Title and Location	Client	Task	Year
6.	EIS for Proposed 12MW Biomass Power Plant and 3MW Biogas Power Plant at Prolific Yield Oil Palm Mill in Sandakan, Sabah	Cepat Wawasan Group Berhad	Hydrology & Wastewater	August 2008

Environmental Management Plan (EMP) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	EMP for the Proposed Aluminium Smelting Plant and Supporting Facilities, Mukah Land District, Mukah Division, Sarawak	Press Metal Sarawak Sdn Bhd	Project Coordinator	Ongoing
2.	EMP for the Proposed Gumusut – Kakap Oil Export Pipeline to Sabah Oil & Gas Terminal (SOGT) in Kimanis, Sabah	Sabah Shell Petroleum Company Limited (SSPC)	Technical Review	July 2009
3.	EMP for the Proposed Integrated Pulp and Paper Mill at KM56, Tawau-Kunak Road, Tawau, Sabah	Eko Pulp & Paper Sdn Bhd	Technical Review & Environmental Management	April 2008
4.	Environmental Management Plan (EMP) for the Proposed 5-Storey Shopping Complex Cum 2-Storey Basement Car-Park on Lot 9324, Phase 9, Block 16, K.C.L.D at Jalan Datuk Tawi Sli, Kuching, Sarawak.	Pekerjaan Piasau Konkerit Sdn Bhd	Asst. Project Coordinator/ Hydrology and Drainage, Waste Management, Utilities & Infrastructure	April 2004
5.	Environmental Management Plan for the Proposed Jalan Mulukun/Ng. Gaat, Phase I, Kapit Division, Sarawak.	PPES Works Sdn Bhd	Asst. Project Co-ordinator/ Air Quality, Waste Management, Utilities & Infrastructure	August 2004
6.	Environmental Management Plan for the Proposed Sand Extraction And Channel & Turning Basin Dredging At Miri, Sarawak.	Inai Kiara Sdn Bhd	Asst. Project Co-ordinator/ Coastal Management	September 2004

Proposal for Mitigation Measures (PMM) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	PMM for the Proposed Commercial Development at Shahrul Pantai Area, Lahad Datu, Sabah	Tamaco Development Sdn Bhd	Hydrology	Ongoing
2.	PMM for Proposed Oil Palm Plantation on CL.11517 3978 (344.4Ha) in Tanjong Labian, Tungku, District of Lahad Datu, Sabah	SCT Resources Sdn Bhd	Hydrology	December 2011
3.	PMM for Proposed 8 to 9 Storey Apartment (Consist of Phase 1A = 640 Units Medium Cost Apartment, Phase 1B = 640 Units Medium Cost Apartment & Phase 2 = 384 Units Student Hostel Apartment) With Strata Titles to be Applied on CL.015392248, NT.013091855, CL.015392266 & NT.013073124 at Darau, Menggatal, District of Kota Kinabalu	Kinsanuri Sdn Bhd	Hydrology	May 2008
4.	PMM for the Proposed Construction of Palm Oil Jetty at POIC Sandakan, Sabah	SCHB Engineering Services Sdn Bhd	Project Coordinator, Land Use & Traffic	February 2008



No	Project Title and Location	Client	Task	Year
5.	PMM for the Proposed Resort Development Consisting Reception Complex, Spa Village, 61 Units of "Kampung' Villas on Lot D (20 Acre) at Pulau Tiga, Sabah	Borneo Cosmeceutical Sdn Bhd	Project Coordinator, Traffic Management	January 2008
6.	PMM for Proposed Development of Quarters for the Army, Police and Ranger's, Resting Facilities and Public Toilet at Pulau Sipadan, Semporna District, Sabah	Syarikat AKS Construction	Project Coordinator, Land Use & Social Impact	December 2007

Emergency Response Plan (ERP) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	ERP for the Proposed Integrated Pulp and Paper Mill at KM 56, Tawau-Kunak Road, Tawau, Sabah	Eko Pulp and Paper Sdn Bhd	Project Coordinator	January 2009
2.	ERP for the Biodiesel Plant at POIC Lahad Datu, (Phase 1), Sabah	SPC Biodiesel Sdn Bhd	Project Coordinator	July 2007
3.	Emergency Response Plan for Smokeless Incinerator at the State Veterinary Diagnostic Laboratory (SVDL), Lot 993, Block 24, Muara Tuang Land District, 1 st Mile, Jalan Datuk Mohd. Musa, Kota Samarahan, Sarawak.	Department of Agricultural	Asst. Project Co-ordinator/ Data Gathering and Collation	January 2005
4.	Emergency Response Plan for Smokeless Incinerator at the Divisional Veterinary Office and Diagnostic Laboratory, Jalan Kapur, Sarikei Division, Sarawak.	Department of Agricultural	Asst. Project Co-ordinator/ Data Gathering and Collation	January 2005
5.	Emergency Response Plan for Smokeless Incinerator at the Animal Quarantine Station, Mile 8 ¾, Bintulu-Miri Road, Bintulu, Sarawak.	Department of Agricultural	Asst. Project Co-ordinator/ Data Gathering and Collation	January 2005

Special Study (SS) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	ESCP for the Proposed Clinical Waste Thermal Treatment Facility in Sabah	Faber Medi-Serve Sdn Bhd	Project Coordinator	Ongoing
2.	Enhancing Environmental Management by Way of Strengthening the Compliance of Logging Operators to the Environmental Conditions in Sabah	Environment Protection Department	Engineering, Soils/Geotechnical	November 2011
3.	Development of Oil Spill Response Preparedness and Capability for Sabah Oil and Gas Terminal (SOGT)	Petronas Maritime Services Sdn Bhd	Project Coordinator	October 2011
4.	Water Quality Sampling for Persistent Organics Pollutants (POPs) for Sungai-Sungai di Tadahan Liwagu Hulu Untuk Kajian "Best Management Practices"	Jabatan Pengairan dan Saliran (DID)	Technical Review	September 2011
5.	Best Management Practices (BMP) for "Pelaksanaan Pengurusan Sumber Air Bersepadu (IWRM) di Malaysia: Sungai Liwagu, Kundasang, Ranau"	Jabatan Pengairan dan Saliran (DID)	Technical Review	December 2010



No	Project Title and Location	Client	Task	Year
6.	ESCP for "Cadangan Pembangunan Kawasan Perumahan Resort at Lot No. 18231 & 18232, Genting Highlands, Mukim Betong, Daerah Bentong, Pahang Darul Makmur"	Emerald Hectares Sdn Bhd	Project Coordinator	August 2010
7.	Supplementary Report for the New Sabah Oil and Gas Terminal (SOGT) Layout in Kimanis Bay, Papar District, Sabah	Petronas Carigali Sdn Bhd	Project Coordinator, Compilation of Data and Report Preparation	January 2010
8.	Water Flow Measurement at Sg. Pang Burong, KM 56, Tawau-Lahad Datu Highway, Kunak, Sabah	Eko Pulp & Paper Sdn Bhd	Project Coordinator	June 2009
9.	Additional Information / Supplementary Report for the Reassessment of Quarry Operation on NT.043121679, NT.043121688, NT.043121651, NT.043121633 and CL.045312776 at Kg. Kebayau, Telipok, Sabah for Capricorn Resources Sdn Bhd	Capricorn Resources Sdn Bhd	Project Coordinator	May 2009
10.	Supplementary Report for the Proposed Dumping Site at Telipok Quarry, Sabah	Hap Seng Building Materials Sdn Bhd	Technical Review	May 2009
11.	Solid Waste Management Study in Sabah-Waste Composition Study at Sandakan	Kementerian Kerajaan Tempatan dan Perumahan	Assistant Project Coordinator	2008
12.	Earth Source Study for Sabah Oil & Gas Terminal Project	Petronas Carigali Sdn Bhd	Project Coordinator	May 2008
13.	Sand Source Study for Sabah Oil & Gas Terminal Project	Petronas Carigali Sdn Bhd	Project Coordinator	May 2008
14.	Design, Supply, Delivery, Construction, Installation, Testing and Commissioning of 5,000 birds x 2 Modules of Sequential Batch Reactor Wastewater Treatment Plant for Telipok Chicken Processing Plant in Sabah	Pertanian Tuaran Marketing	Project Engineer	June 2007
15.	ECOSAN Pilot Project-Biogas Tank and Canal Toilet System at SMK Tebakang and SMK Padawan	NREB/DANIDA	Asst. Project Co-ordinator	Nov 2005
16.	Preliminary Cost Estimate for Integrated Wastewater Management for Kuching City.	NREB/DANIDA	Asst. Project Co-ordinator	April 2004
17.	Ecological Sanitation (ECOSAN) Pilot Project at Hui Sing Garden, Kuching.	NREB/DANIDA	Asst. Project Co-ordinator	September 2004
18.	Proposed Ecological Sanitation (ECOSAN) Treatment System for Sebangkoi Country Resort, Sarikei	NREB/DANIDA	Asst. Project Co-ordinator	November 2004



1. **Family name:** Chong
2. **Given names:** Chong Sin Hian @ Brian
3. **Date of birth:** 9 July 1966
4. **Passport holder:** Malaysian
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
Virginia Polytechnic Institute and State University (VIP&SU), USA March 1990	Master of Science in Environmental Engineering
University of Southwestern Louisiana, USA December 1987	Bachelor of Science in Civil Engineering

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Malay	1	1	1
Chinese	1	1	1

7. **Registrations:**

Environment Protection Department (EPD), Sabah: Registration No.: **S0002**

Department of Environment (DOE) Malaysia: Registration No.: **C0089**

Natural Resources Environment Board (NREB), Sarawak: Registration No.: **NREB/I/00588**

Professional Engineer (P.E.), California, USA [No. C53161]

Professional Engineer (P.Eng.), Malaysia [No. 9975]

Asean Engineer, Malaysia [No. 02087]

Association of Environmental Consultants Sarawak [AECS/I/0013]

8. **Professional Affiliations**

WEF - Water Environment Federation

ASCE - American Society of Civil Engineers

BEM - Board of Engineers, Malaysia

IEM - Institute of Engineers, Malaysia (Corporate Member)

9. **Present position:** Director, Chemsain Konsultant Sdn Bhd

10. **Years within the firm:** 16

11. **Professional experience**

Chemsain Konsultant Sdn Bhd (September 1995 - Present)

Project Director for Detailed and Preliminary Environmental Impact Assessment (EIA) Studies

Project Director / Team Leader for over 100 EIA and 15 Detailed EIA Studies. Responsibilities include cost management, ensuring datelines are met, supervision of study team members from different areas of expertise, liaison with client, review technical reports and conduct technical presentations to DEIA review panel and relevant governmental agencies. Familiar with the requirements of DOE, NREB (Sarawak) and EPD (Sabah). The DEIA / EIA projects undertaken to-date are as follows:

<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
Belud Field Development EIA & Scoping Study	Scoping / Facilitator	August 2011
EIA for "Cadangan Membina Jeti Kargo di Timbang Dayang, Pulau Banggi, Daerah Kudat, Sabah"	Team Leader, Hydrology & Waste Management	April 2011



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
PEIA for the Proposed Stockyard On Lot 205314307, Sg. Keling Off Jalan Ranche-Ranche, Wilayah Persekutuan Labuan	Engineering Aspects, Hydrology and Drainage	March 2011
EIA for the Whole Kukusan Quarry at Tawau, Sabah	Team Leader, Hydrology & Waste Management	March 2011
EIA for the Proposed Puncak Menggatal Development (9.974 acres) at Menggatal, Sabah	Team Leader, Hydrology & Waste Management	February 2011
PEIA & QRA for the Proposed Scheduled Waste Treatment and Storage Facility at Ranche-Ranche Industrial Area, Labuan	Wastewater, Solid Waste Management, Scheduled Waste Management and Hydrology	January 2011
EIA for the Proposed Jesselton Hill Development at Menggatal, Sabah	Team Leader, Hydrology & Waste Management	January 2011
EIA for Proposed "Pembinaan Taman Rekreasi Offshore (Padang Golf) Di Kiamsam, Wilayah Persekutuan Labuan"	Wastewater, Solid Waste Management, Scheduled Waste Management and Hydrology	December 2010
PEIA for the Proposed Mobile Incinerator at Institut Penyelidikan Bioteknologi (IPB)	Engineering Aspects, Hydrology and Drainage, Waste Management & Process Review	December 2010
EIA for "Cadangan Pembinaan Pejabat Daerah Agensi Penguatkuasaan Maritim Malaysia di Sandakan, Sabah"	Team Leader, Hydrology & Waste Management	December 2010
DEIA for the Proposed Waste Incinerator Plant at Sabah	Hydrology & Waste Management	December 2010
EIA for the Proposed Quarry Operation on CL.215305623 and Overburden Disposal on NT.213093513 & NT.213100479, Kg. Madziang, Penampang, Sabah	Team Leader, Hydrology & Waste Management	December 2010
SEIA for the Proposed Upper Padas Hydro Electric Project	Project Manager and Waste Management	June 2010
EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Team Leader, Hydrology & Waste Management	June 2010
EIA for the Earthwork Activities for the Project "Cadangan Membina dan Menyiapkan Kem Program Latihan Khidmat Negara di Mesapol, Sipitang, Sabah untuk Kegunaan Kementerian Pertahanan Malaysia"	Team Leader, Hydrology & Waste Management	May 2010
EIA for the Existing Quarry Operation in Beaufort, Sabah	Team Leader, Hydrology & Waste Management	May 2010
EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Team Leader, Hydrology & Waste Management	May 2010
EIA for Proposed 148 Units of 14-Storey High-End Condominium on CL.015101461 at Jalan Bantayan, Kota Kinabalu	Team Leader, Hydrology & Waste Management	April 2010
EIA for the Additional Site Preparation Works for the Proposed Sabah Oil & Gas Terminal (SOGT) Project in Kimanis Bay, District of Papar, Sabah	Team Leader, Hydrology & Waste Management	January 2010
EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Team Leader, Hydrology & Waste Management	December 2009
EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Team Leader, Hydrology & Waste Management	December 2009
EIA for "Projek Naiktaraf Jalan Pukak-Mantob, Kiulu, Tuaran, Sabah"	Team Leader, Hydrology & Waste Management	November 2009



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for “Cadangan Membina dan Menyiapkan Sekolah Menengah Kebangsaan Agama Datu Mustapha yang Mengandungi 36 Bilik Darjah dan Kemudahan Berkaitan di Daerah Papar, Sabah”	Team Leader, Hydrology & Waste Management	October 2009
Provision of Drilling Environmental Study	Team Leader	October 2009
EIA for Proposed Condominium Development Near Bayshore, Likas, Sabah	Team Leader, Hydrology & Waste Management	October 2009
EIA for the Quarry Operation on Part of CL.125318354 at Bukit Siagil, Semporna, Sabah	Team Leader, Hydrology & Waste Management	July 2009
EIA for “Projek Cadangan Pembinaan Kompleks Sukan Sipitang, Sabah”	Team Leader, Hydrology & Waste Management	July 2009
PEIA and QRA for the Proposed Kimanis Power Project at Kimanis Bay, District of Papar, Sabah	Environmental Management Plan, Waste Management, Hydrology and Bathymetry	July 2009
EIA for the Proposed Industrial Tree Plantation (ITP) in Kota Marudu/Pitas Districts, Sabah	Team Leader, Hydrology & Waste Management	May 2009
EIA for “Cadangan Projek Pembangunan KD Sri Sandakan Fasa 3, Sandakan, Sabah”	Team Leader, Hydrology & Waste Management	May 2009
EIA for “Aktiviti Kerja-Kerja Tanah dan Pembinaan Sekolah Sukan Sabah dan Kemudahan Berkaitan untuk Kementerian Pelajaran Malaysia”	Team Leader, Hydrology & Waste Management	May 2009
EIA for “Site Preparation Works for the Proposed Kimanis Power Project at Kimanis Bay, District of Papar, Sabah”	Team Leader, Hydrology & Waste Management	April 2009
EIA for Proposed Earthworks at IZ7 Phase 2, IZ8 & IZ9 at Kota Kinabalu Industrial Park (KKIP), Tuaran District, Sabah	Team Leader, Hydrology & Waste Management	March 2009
EIA for the Existing Teluk Sepangar Quarry at Kilometre 4, Jalan Teluk Sepangar, Sabah	Team Leader, Hydrology & Waste Management	March 2009
EIA for the Proposed Sand Dredging On NT.043166909, NT.043166892 and NT.043078691 at Sg. Tuaran, Tuaran District, Sabah	Team Leader, Hydrology & Waste Management	February 2009
EIA for “Cadangan Pembinaan dan Menyiapkan PPMS (Program Penempatan Masyarakat Setempat) di Pulau Banggi, Daerah Kudat, Sabah”	Team Leader, Hydrology & Waste Management	January 2009
PEIA for the Proposed Organic Wastes Bio-recovery Plant on NT 9180 and NT 9322 in Kimanis, Papar District, Sabah	Team Leader, Engineering Aspects, Hydrology & Drainage, Waste Management & Process Review	December 2008
EIA for the Proposed Biomass Fired Combined Heat & Power Plant Project at POIC Phase II, Lahad Datu, Sabah	Wastewater, Solid Waste Management, Drainage & Hydrology	November 2008
EIA for the Proposed 132 Units Terrace Houses on CL 025362547 at Kinarut South, Papar, Sabah	Team Leader, Waste Management	November 2008
EIA for the Proposed Residential Development on CL 16913 At Bukit Padang, Kota Kinabalu, Sabah	Team Leader, Waste Management	November 2008
EIA for the Proposed Borrow Pit 5 (NT.213096906) for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Team Leader, Waste Management, Infrastructures & Utilities	November 2008
EIA for the Reassessment of Aggregate Quarry Operation at CL. 025317444, NT. 023163484, NT. 023163493, NT. 023163519, NT. 025348725 and NT. 8263 at Bukit Benoni Papar, Sabah	Team Leader, Hydrology & Waste Management	November 2008



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
DEIA for the Proposed SFI Pulp and Paper Mill Expansion at SFI Complex, Sipitang District, Sabah	Project Coordinator, Engineering Aspects and Solid/Scheduled Waste Management	October 2008
EIA for Proposed 4-Storey Hotel (106-Rooms) and 2-Block 4-Storey Condotels (144-Units) with Strata Titles to be Applied on NT.1410 & NT.1411 at Jalan Tamparuli-Ranau, Kundasang, District of Ranau, Sabah	Team Leader, Waste Management	October 2008
EIA for the Proposed Oil Palm Plantation (OPP) On Lot 2 (10,000 Hectares), Labuk and Sugut District, Sabah	Team Leader, Hydrology & Waste Management	September 2008
EIA for Proposed Development of Oil Palm Extension Project for Roban North Oil Palm Estate, Saratok, Sarawak	Civil Engineering, Hydrology & Waste Management	August 2008
EIA for Replanting of Oil Palm Plantation at Baturong 1 Estate (2,822 Ha), Lahad Datu, Sabah	Hydrology and Waste Management	August 2008
EIA for "Cadangan Menaiktaraf, Membina & Menyiapkan Institut Pendidikan Guru (IPG) Kent, Tuaran, Sabah"	Team Leader, Hydrology, Drainage and Engineering Aspects	August 2008
EIA for Proposed Development of Oil Palm for Saribas Estate Extension Area of Betong Land District, Betong, Sarawak	Civil Engineering, Hydrology & Waste Management	July 2008
EIA for Proposed Development of Oil Palm for Entulang & Replanting of Pakit Phase 1 & 2 of Pakit Oil Palm Estate, Sri Aman, Sarawak	Civil Engineering, Hydrology & Waste Management	July 2008
EIA for Proposed Development of Oil Palm for Grogo, Suba Buan of Bratak Oil Palm Estate Extension, Bau, Sarawak	Civil Engineering, Hydrology & Waste Management	July 2008
DEIA for the Proposed Aluminium Smelting Plant and Supporting Facilities (Mukah Land District) Mukah Division, Sarawak	Technical Advisor, Solid Waste Management	July 2008
PEIA for the Proposed Waste Oil Recovery Plant at Lot 13042 Along Jalan Tuaran-Kota Belud, Sabah.	Team Leader, Wastewater and Waste Management	July 2008
EIA for the Proposed Oil Palm Plantation at Sg. Semawang, Sandakan District, Sabah	Team Leader, Hydrology, Drainage and Engineering Aspects	July 2008
EIA for the Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110KM) – Pakej 2 (Marak Parak-Togop (30KM)	Team Leader and Engineering Aspects	June 2008
EIA for the Proposed Multi-Storey Office Cum Commercial Complex and Hotel Apartment for LPPB On CL 017547161 & CL 01546918 At Jalan Istana, Kota Kinabalu, Sabah	Team Leader, Hydrology, Drainage and Engineering Aspects	May 2008
EIA for the Proposed Murum Hydroelectric Project, Belaga District, Sarawak	Project Manager/ Team Leader, Waste Management	April 2008
EIA for Jalan Takan/Ng. Tekalit (12km), Song, Kapit, Sarawak	Project Director, Civil Engineering Aspects, Waste Management	April 2008
EIA for Proposed Oil Palm Plantations at Sg. Aya-Tinjar, Lot 20, Dulit District, Miri, Sarawak	Civil Engineering, Waste Management & Air Quality	April 2008
EIA for Cadangan Pembinaan Kolej Kesihatan Fasa II, Bukit Padang, Sabah Secara Rundingan Terus 'Design & Build'	Team Leader, Hydrology, Drainage and Engineering Aspects	April 2008
EIA for Proposed Site Preparation Work on 150 acres for Stage 1 of Proposed Aluminium Smelting Plant, in Mukah Land District, Mukah Division, Sarawak	Team Leader, Engineering Aspects, Traffic and Waste Management	March 2008
EIA for Proposed Land Disposal Area for Sabah Oil and Gas Terminal (SOGT) Project at Kimanis Bay, District of Papar, Sabah	Team Leader, Waste Management, Infrastructure & Utilities	March 2008



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for Jalan Nanga Buai/Merinjau/Ulu Spak (22km), Betong, Sarawak	Project Director, Civil Engineering Aspects, Waste Management	February 2008
EIA for Upgrading of Jalan Tg. Genting/Paradom (21km), Sarikei/Sibu, Sarawak	Project Director, Civil Engineering Aspects, Waste Management	February 2008
EIA for Jalan Selalang/Mudong (5km), Betong, Sarawak	Project Director, Civil Engineering Aspects, Waste Management	February 2008
EIA and Drainability Study for the Proposed Oil Palm Plantations at Lot 1, Block 194, Oya-Dalat L.D. and Lot 3, Block 2, Baoh L.D., Mukah Division, Sarawak	Civil Engineering, Hydrology & Soil Erosion	January 2008
EIA for Proposed Mixed Development (Commercial and Residential) on Lots 4230-4235, 4238, 4239, 4254-4256, 4258-4266, 4268, 4270, 4273-4275, 4282-4289, 4294-4300, 4474, 4476, 4495, 4500, 4503, 4506 & 4511, Block 225, Kuching North Land District, Kuching, Sarawak	Team Leader, Civil Engineering Aspects, Drainage & Slope Stability	January 2008
EIA for the Proposed 12 Units Chalets and Hanging Bridge (Future 12 Units VIP Chalets & Multi Purpose Hall) On CL 065313662 At Kundasang, Ranau, Sabah	Team Leader, Hydrology, Drainage and Engineering Aspects	January 2008
EIA for the Proposed Resort Development Consisting Reception Complex, Spa Village, 37 Units of hill Villas and 25 Units Mangrove Villas at Malohom Bay, Pulau Gaya, Sabah	Team Leader, Waste Management, Hydrology and Engineering Aspects	January 2008
EIA for the Proposed Causeway-Bridge Linking Mainland to Pulau Udar Kecil at Sepangar Bay, Kota Kinabalu, Sabah	Team Leader, Hydrology, Drainage and Engineering Aspects	January 2008
Preliminary EIA and QRA for the Proposed Urea Formaldehyde, Melamine Formaldehyde and Phenol Formaldehyde Plants at Lot 1103, Plot 4, Jepak Industrial Estate, Bintulu Division, Sarawak	Team Leader, Waste Water, Solid Waste/Scheduled Wastes Management	2008
Provision of EIA for Layang Development Project	Waste Management / Oil Spill	2008
EIA for Proposed Oil Palm Plantations at Sg. Aya-Tinjar, Lot 20, Dulit District, Miri, Sarawak	Civil Engineering, Waste Management & Air Quality	2007
EIA for Proposed Site Preparation Work on 150 acres for Stage 1 of Proposed Aluminium Smelting Plant, in Mukah Land District, Mukah Division, Sarawak	Team Leader, Engineering Aspects, Traffic and Waste Management	2007
DEIA for Greenfield Aluminium Smelter, Sarawak	Project Director, Solid Waste Management	2007
EIA for the Proposed Usaha Wawasan Oil Palm Plantation on Lot 172 and Lot 173, Suai Land District, Miri Division, Sarawak	Team Leader, Agronomy & Plantation Management & Ecology	2007
EIA for Projek Pembinaan Jambatan Loba Pulau dan Jambatan Batang Belawai, Bahagian Mukah, Sarawak	Project Director, Civil Engineering Aspects and Wastes Management (Sewage, Solid and Hazardous)	2007
EIA for Proposed Jalan Takan/Ng. Tekalit, Song, Kapit Division Sarawak	Project Director, Civil Engineering Aspects, Waste Management	2007
EIA for Construction and Completion of Proposed Semariang Riverine Loop Road, Kuching, Sarawak	Team Leader, Civil Engineering Aspects, Drainage and Traffic	2007
EIA for Proposed Upgrading of Jalan Tg. Genting/Paradom, Sarikei, Sarawak	Project Director, Civil Engineering Aspects, Waste Management	2007
EIA for Proposed Jalan Selalang/Mudong, Betong Division, Sarawak	Project Director, Civil Engineering Aspects, Waste Management	2007
EIA for Proposed Jalan Ng. Buai/Merinjau/Ulu Spak (22km), Betong Division, Sarawak	Project Director, Civil Engineering Aspects, Waste Management	2007



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for Upgrading of Jalan Rundim/Kuap, Kuching, Sarawak	Project Director, Civil Engineering Aspects and Wastes Management	2007
EIA for Proposed Mixed Development (Commercial & Residential) on Lot 1097, Block 5, Miri City Land District, Miri Division, Sarawak	Team Leader, Civil Engineering Aspects, Drainage & Slope Stability	2007
EIA for Proposed Murum Dam Hydroelectric Project (MDHEP), Belaga District, Kapit Division, Sarawak	Project Manager/ Team Leader, Waste Management	2007
EIA for Proposed Construction of Coastal Protection Works for Miri Crude Oil Terminal and Adjacent Coastline, Miri Division, Sarawak	Team Leader, Traffic & Wastes Management	2007
EIA for the Projek Pembangunan Infrastruktur dan Penggalakan Kapal-Kapal Rekreasi di Sarawak (Marina Kuching), Kuching Division, Sarawak	Project Director & Civil Eng. Aspects, Hydrology & Riverine Traffic	2007
Proposed Oil Palm Plantations on Lot 349, 478, 480 & 481 (Trusan L.D.), Lot 1519, 1521, 477, 1523, 1522 & 1520 (Lawas L.D.) and Lot 522 (Merapok L.D.), Limbang Division, Sarawak	Engineering Aspects, Hydrology & Soil Erosion	2007
EIA and Peat Drainability Study for the Proposed Sago Satellite Estate Development at Mukah Division, Sarawak	Civil Engineering, Drainability Study & Waste Management	2007
Proposed Kuching City Central Wastewater Management System, Package 1	Team Leader, Wastewater Treatment, Waste Management, Bio-solids Management and Sedimentation	2007
Preliminary EIA for J4 and D21 Fields Development Project, Offshore Bintulu, Sarawak	Waste Management	2007
EIA for Proposed Slipway, Premises, Loading and Mooring Facilities for Beladin RGC Service Centre, Betong Division, Sarawak	Project Director & Civil Eng. Aspects, Hydrology & Riverine Traffic	2007
Cadangan Merekabentuk, Membina, Menyiapkan dan Menguji Tauliah Projek Pembangunan Semula Kem Batalion 12, Pasukan Gerak Am (PGA) Miri dan Balai Polis Trafik Miri, di atas Lot 633, 2363, 141 dan 314, Miri Concession Land, Miri, Sarawak	Team Leader, Engineering Aspects, Drainage & Waste Management	2007
Supplementary EIA for 10,000 metric tons of Scheduled Wastes Storage Facility in KIWMP, Mambong, Kuching, Sarawak	Team Leader, Traffic & Wastes Management	2007
EIA for Proposed Mixed Development (Commercial and Residential) on Lots 4230-4235, 4238, 4239, 4254-4256, 4258-4266, 4270, 4273-4257, 4282-4289, 4294-4300, 4474, 4476, 4495, 4500, 4503, 4506 & 4511, Block 225, Kuching North Land District, Kuching Division, Sarawak	Team Leader, Civil Engineering Aspects, Drainage & Slope Stability	2007
Preliminary EIA and QRA for the Bintulu Onshore Receiving Facilities (BORF - New Site) Project in Bintulu, Sarawak	Team Leader, Waste Management	2007
EIA for the Saribas Extension of Saribas Oil Palm Estate, Betong, Sarawak	Civil Engineering, Hydrology & Waste Management	2007
EIA for Proposed Roban North Extension of Roban North Oil Palm Estate, Saratok, Betong Division, Sarawak	Civil Engineering, Hydrology & Waste Management	2007
EIA for Replanting of Pakit Oil Palm Estate and New Development of Entulang Area of Pakit Oil Palm Estate, Sri Aman Division, Sarawak	Civil Engineering, Hydrology & Waste Management	2007



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for Proposed Development of Oil Palm Plantation in Bratak Oil Palm Estate (Extension), Bau Land District, Kuching Division, Sarawak	Civil Engineering, Hydrology & Waste Management	2007
EIA for Proposed Oil Palm Plantation at Lot 1, Block 194, Oya-Dalat Land District and Lot 3, Block 2, Baoh Land District, Mukah Division, Sarawak	Civil Engineering, Hydrology & Soil Erosion	2007
EIA for Proposed River Dredging at Batang Seredeng, Sarikei Division, Sarawak	Team Leader/ Engineering Aspects, Drainage & Riverine Traffic	2006
EIA for Provision of 2D Land Seismic Data Acquisition for Baram Delta (Block SK333), Sarawak	Team Leader, Hydrology	2006
EIA for Existing Crushing Activities at Bandar Sierra Development Site, Menggatal, Sabah	Team Leader, Hydrology & Drainage, Engineering Aspects	2006
EIA for Proposed Development of Lot 790, Block 20, Kemena Land District, Jalan Saberka, Bintulu into a Mixed Development of Housing and Commercial Buildings	Team Leader, Civil Engineering Aspects, Drainage & Slope Stability	2006
EIA for Proposed River Dredging at Batang Seredeng, Sarikei Division, Sarawak	Team Leader/ Engineering Aspects, Drainage & Riverine Traffic	2006
EIA for Construction and Completion of Proposed Semariang Riverine Loop Road, Kuching, Sarawak	Team Leader, Civil Engineering Aspects, Drainage and Traffic	2006
EIA for Construction and Completion of The Proposed New Access Road Linking Technology Park to Kpg. Tanjong Bako, on a "Design and Build" Basis, Samarahan Division, Sarawak	Project Director, Civil Engineering Aspects and Drainage	2006
EIA for Proposed Construction of the Sibuga – POIC Road, Sandakan, Sabah	Team Leader, Engineering Aspects, Hydrology, Drainage & Waste Management	2006
EIA for Proposed Sea Reclamation for the Redevelopment of Kota Kinabalu International Airport (KKIA), Penampang, Sabah	Team Leader, Engineering Aspects, Wastewater & Solid Waste Management	2006
EIA for Proposed Obstruction Clearance for the Redevelopment of kota Kinabalu International Airport (KKIA), Penampang, Sabah	Team Leader, Engineering Aspects, Wastewater & Solid Waste Management	2006
EIA for Resettlement Scheme at Kinarut, Papar District, Sabah	Team Leader, Hydrology & Drainage, Engineering Aspects & Waste Management	2006
EIA for Cadangan Merekabentuk, Membina dan Menyiapkan Kem Kompeni, Batalion 10, Pasukan Gerakan Am di atas Lot 531 dan 532, Blok 5, Klauh Land District, Sri Aman, Sarawak	Team Leader, Civil Engineering Aspects, Drainage, Waste Management & Traffic	2006
EIA for Proposed Infrastructure Works at Kidurong Industrial Area (KINDA) II, Bintulu Division, Sarawak	Team Leader, Civil Engineering Aspects, Drainage, Wastes Management & Traffic	2006
EIA for Proposed Bintulu Onshore Receiving Facilities (BORF) Project, Bintulu, Sarawak	Field survey, Report Write-up	2006
EIA for the Proposed Riverfront Esplanade at Song (Phase 1), Kapit Division, Sarawak	Team Leader, Civil Engineering Aspects & Hydrology	2006
EIA for Proposed Quarry to Remove Stone at Bukit Lumut, Tubau/Belaga, Jalan Bintulu/Bakun, Bintulu Division, Sarawak	Team Leader, Engineering Aspects, Hydrology, Drainage & Traffic	2006
PEIA for the Upgrading of Labuan Airport, W.P. Labuan	Civil Engineering Aspects	2006
PEIA for the Proposed Sabah Sarawak Gas Pipeline Project	Project Director & Waste Management	2006



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
PEIA for Proposed Sabah Oil and Gas Terminal (SOGT) at Kimanis, Sabah	Team Leader & Waste Management	2006
EIA for Construction and Completion of Proposed Phase 3 Improvement Works to Ulu Layar / Ng. Tiga Road, Betong Division on a "Design and Build" Basis	Project Director, Hydrology & Civil Engineering Aspects	2006
EIA for the Proposed New Express Boats Passenger Terminal, Kuching, Sarawak	Team Leader, Civil Engineering Aspects & Drainage, Traffic, Hydrology	2006
PEIA for Proposed Biodiesel Plant at POIC Lahad Datu, Sabah	Team Leader, Traffic & Process Review	2006
PEIA for Proposed Biodiesel Plant at POIC Lahad Datu (Phase 1), Sabah	Team Leader, Traffic & Waste Management	2006
EIA for Proposed Integrated Agricultural Development on Lot 74, Block 11, Lambir Land District, Miri Division, Sarawak	Team Leader, Drainage and Slope Stability	2006
EIA for Proposed Palm Oil Industrial Cluster (POIC), Phase 2 at Lahad Datu, Sabah	Team Leader, Hydrology & Drainage	2006
EIA for Proposed Upgrading of Jalan Sukau, Sandakan, Sabah	Team Leader, Hydrology & Drainage	2006
EIA for Sandakan Palm Oil Industrial Cluster (POIC) Phase 1, Sandakan District, Sabah	Team Leader, Engineering Aspects, Wastewater & Solid Waste Management	2006
EIA for Proposed Earthworks for the Construction of 30 MT FFB/hr Palm Oil Mill at CL. 095330724, Asiatic Indah Estate, Tongod District, Sabah	Team Leader, Hydrology & Geology & Soil Erosion	2006
EIA for Proposed Urea Formaldehyde, Phenol Formaldehyde, Melamine Formaldehyde and Phenolic Foam Plants At Lots 42344, 26311, 43837, 43821, 43791, & 43792, Tanjung Bidut, Sibiu, Sarawak	Team Leader, Soil Erosion, Environmental Management	2006
EIA for Reassessment of Quarry Operation on NT 043121679, NT 043121688, NT 043121651, NT 043121633 and CL 045312776 at Kpg. Kebayau, Telipok, Sabah	Team Leader, Hydrology & Engineering Aspects	2006
EIA for Proposed Semporna Sewerage Scheme Phase 1, Semporna, Sabah	Team Leader, Engineering, Traffic & Waste Management	2006
EIA for the Proposed Affordable Housing Development on Lot 3625, Block 14, Salak Land District, Kuching Division, Sarawak	Team Leader, Civil Engineering Aspects, Hydrology & Drainage	2006
PEIA and QRA for Proposed Formaldehyde Plant/Resin Plant at Kidurong Industrial Area, Bintulu, Sarawak	Process Wastewater, Solid Waste and Scheduled/ Hazardous Wastes Management	2006
EIA for Proposed Upgrading of Access Road to Mukah from Sibiu/Bintulu Junction to Matadeng Junction, Mukah Division, Sarawak	Team Leader, Engineering Aspects, Hydrology and Drainage, Wastes Management and Soil Erosion	2005
EIA for Proposed Pom Pom Island Resort Development, Semporna District, Sabah	Team Leader, Engineering Aspects, Traffic & Waste Management	2005
EIA for Proposed Tawau Sewerage Phase 2 Works, Tawau, Sabah	Team Leader, Traffic & Waste Management	2005
PEIA for Utilisation of Used Oil for Burner in a Tile Manufacturing Factory, Lot 9252, Section 27, Bau Land District, Jalan Batu Kitang, Bau, Sarawak	Team Leader, Engineering Aspects, Drainage & Traffic	2005



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for Proposed Quarry at G. Rumbang, Bengoh, Padawan District, Sarawak	Team Leader, Engineering Aspects, Hydrology, Drainage & Traffic	2005
EIA for Proposed 306 Acres of Agro-Tourism Development on PL.176134544, PL.176132898 and CL. 175053675 at Beaufort, Sabah	Team Leader, Engineering Aspects, Hydrology & Geology	2005
EIA for Proposed Hotel Condominiums & Service Apartment on Lots 3218, 3630 & 3631, Tg. Batu Road, Kemena Land District, Bintulu Division, Sarawak	Team Leader, Civil Engineering Aspects & Drainage	2005
EIA for Planted Forests (Pulp and Paper) Project in Bintulu, Sarawak	Wastes Management	2005
EIA for Proposed Kuching Isthmus Development Plan, Kuching, Sarawak	Team Leader, Civil Engineering Aspects, and Drainage	2005
EIA for Proposed Bandar Sierra Mixed Development on CL. 015414972 at Bukit Sierra, Off Mile 13.5, Jalan Tuaran, Menggatal, Kota Kinabalu, Sabah	Team Leader, Engineering Aspects, Hydrology & Geology	2005
EIA for Proposed Construction and Completion of Maktab Rendah Sains MARA (MRSM), Mukah Division, Sarawak	Team Leader, Civil Engineering Aspects, Hydrology, Drainage & Traffic	2005
EIA for Proposed Teo Tze Hian Garden, Lot 138, Block 9 & Lot 3560, 3561, 3562 and 4777, Batu Api Land District, Betong Division, Sarawak	Team Leader, Civil Engineering Aspects, Drainage and Traffic	2005
EIA for Proposed Dumping Ground for Dredged Materials Offshore of Labuan F. T. Malaysia	Team Leader, Hydrology, Engineering Aspects & Traffic	2005
EIA for Proposed Bulking Installation at NT. 02312804 Kg. Lanas, Kimanis, Papar, Sabah	Team Leader, Drainage, Hydrology, Waste Management & Traffic	2005
EIA for Proposed Pakan/ Jalan Ulu Julau/ Ulu Kota, Pakan, Sarikei Division, Sarawak	Team Leader, Engineering Aspects, Traffic and Hydrology	2005
EIA for the Proposed Commercial and Housing Development on Lot 3147, Block 26, Jalan Tanjung Kidurong, Bintulu, Sarawak	Team Leader, Civil Engineering Aspects, Hydrology & Drainage	2005
EIA for Proposed Dredging Works of Seabed in the Vicinity of Asian Supply Base Sdn. Bhd. Jetty at Labuan F.T. Malaysia	Team Leader, Hydrology, Engineering Aspects & Traffic	2005
EIA for Proposed Residential and Commercial Development at Lot 531, Block 14, Muara Tuang Land District, Samarahan Division, Sarawak	Team Leader, Engineering Aspects, Hydrology and Wastes Management	2005
EIA for Proposed Housing Project on Lots 502-505, 131, 389 & 537, Batu Kitang, Kuching, Sarawak	Team Leader, Civil Engineering Aspects, Hydrology & Drainage	2005
EIA for Proposed Igan & Seredeng Oil Palm Estate in Igan Area, Mukah Division, Sarawak	Civil Engineering, Drainage & Soil Erosion	2005
EIA for The Proposed Commercial Development on TL 017533505 at Coastal Highway, Kota Kinabalu, Sabah	Engineering Aspects, Hydrology, Drainage & Traffic	2005
EIA for Proposed Pig Farming Area (PFA) at Telipok District, Sabah	Team Leader, Engineering Aspects, Hydrology & Geology	2005
PEIA for the Upgrading Works at Sibul Airport, Sibul Division, Sarawak	Team Leader, Hydrology and Engineering Aspects	2005
PEIA for the Proposed Use of Pulverized Fly Ash (PFA) in Concrete Batching Plants at Bakun Hydroelectric Project (BHEP), Belaga, Kapit Division, Sarawak	Team Leader, Solid Waste, Scheduled & Hazardous Wastes Management	2005
EIA for Proposed Crushing Activities to Supply Aggregates for the Mixed Development at Bandar Sierra, Menggatal, Sabah	Team Leader, Drainage and Hydrology	2005



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for the Proposed Integrated Commercial and Residential Development on CL. 015561878 and Joint Venture Land Parcel at Tg. Aru and Sembulan Urban Renewal Scheme at Jalan Pantai Baru (Phase 1B), Kota Kinabalu, Sabah	Team Leader, Hydrology, Waste Management & Traffic	2005
EIA for Proposed Mixed Development of Land CL 075477584 At Mile 5, Jalan Utara, Sandakan, Sabah	Team Leader, Drainage, Hydrology, Traffic Management, Infrastructures and Utilities	2005
EIA for Proposed Development of 5 Storey Shopping Podium, with Bus Station at Ground Floor, 1 Level Basement Carpark and 2 Levels Carpark at Roof, 1 Block of 4 Storey Hotel on G.N. 1049-79 at Jalan Kemajuan, Kota Kinabalu, Sabah	Team Leader, Drainage, Hydrology, Traffic Management, Infrastructures and Utilities	2005
EIA for The Proposed Earth Extraction for the Commercial Development on G.N. 247/16 at Jalan Sharif Osman, Kota Kinabalu, Sabah	Drainage, Hydrology, Waste Management and Traffic	2005
EIA for Extraction of Earth Materials for the Proposed Housing Development on PL 066174409, Kpg. Pasir Putih, District of Ranau, Sabah	Team Leader, Drainage, Hydrology, Traffic Management, Infrastructures and Utilities	2004
EIA for Proposed Federal Administrative Centre (FAC) Rambungan District, Kuching Division, Sarawak	Coastal Hydraulic, Hydrology & Civil Engineering	2004
DEIA for the Proposed Integrated Pulp and Paper Mill at Kunak, Tawau, Sabah	Project Director, Wastewater Mgmt, Hydrology	2004
EIA for the Proposed Subdivision / Development on NT 023178743 & NT 023178752 at Jalan Kinarut, District of Papar, Sabah	Drainage, Hydrology, Waste Management, Traffic and Utilities	2004
SEIA for The Proposed Oil Palm Plantation (OPP) and Industrial Tree Plantation (ITP) Development at Benta Wawasan I and Benta Wawasan IIC, Yayasan Sabah Forest Management Area, Kalabakan and Gunung Rara Forest Reserves, Tawau District, Sabah	Project Director & Waste Management	2004
EIA for Proposed 1 Borneo Development at Sepanggar Bay Road, Near Kampung Pulau Penampang Reserve, Suang Parai, District of Kota Kinabalu, Sabah	Team Leader, Drainage, Hydrology	2004
EIA for Proposed Borrow Pit at Utak Sebuak, Off Jalan Landeh, 10 th Mile, Jalan Kuching/Serian, Kuching, Sarawak	Engineering Aspects, Traffic, Hydrology, Drainage	2004
EIA for Proposed Oil Palm Plantation at Lot 1, Block 6, Kemena Land District, Bintulu Division, Sarawak	Civil Engineering & Hydrology	2004
PEIA for The Proposed Solvent Recovery Facility at Bukit Minyak Industrial Park, Penang, Malaysia	Team Leader	2004
EIA for Proposed Oil Palm Plantation on Lot 1492, Jemoreng Land District, Kampung Tebaang, Batang Lassa, Daro, Mukah Division, Sarawak	Civil Engineering, Hydrology & Soil Erosion	2004
EIA for the Proposed Development of Granary Area at Paloh, Mukah Division, Sarawak	Team Leader, Hydrology & Drainage, Drainability Review	2004
EIA & QRA for Melamine Plant Relocation Project in Bintulu, Sarawa	Process Wastewater, Wastes Management & Flooding	2004
EIA for Proposed 2-Storey Shop/Offices on TL 197501367 at Sipitang Town, Sipitang, Sabah	Team Leader, Engineering Aspects, Drainage, Hydrology	2004
EIA for the Proposed 1400 MW Coal-Fired Independent Power Plant Project – Volume 3: Proposed 500kV Transmission Line	Team Leader	2004



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
PEIA for the Proposed Upgrading of Bintulu Cement Grinding Plant for the Production of Pulverized Fly Ash Cement, Bintulu Division, Sarawak	Team Leader, Process Wastewater, Solid Waste, Scheduled, Hazardous Wastes Management, Flooding	2004
PEIA for Proposed Palm Oil Refinery & Kernel Crushing Plant (Part of Lot 607, Kidurong Industrial Estate) in Bintulu, Sarawak	Project Director, Hydrology, Waste Generation & Management	2004
EIA for Proposed Mixed Development On CL 115412149, Mile 3, Jalan Tengah Nipah, Lahad Datu District, Sabah	Team Leader, Drainage, Hydrology	2004
EIA for Proposed River Sand Extraction at Sg. Tuaran, Kg. Simpangan, Tuaran District, Sabah	Drainage, Hydrology, Waste Management & Traffic, Team Leader	2004
EIA for Proposed Agroforestry Plantation Development On YT1/02, YT2/03 and YT4/04 At Luasong, Tawau District, Sabah	Waste Management, Drainage & Hydrology, Utilities & Infrastructure	2004
PEIA for Bokor Redevelopment Project, Offshore Miri, Sarawak	Waste Management	2004
EIA for the Proposed Singgah Mata Development Project on TL 017546940, TL 017544713, TL 017544642, TL 017544651 and TL 017544660 at Kampung Air, Kota Kinabalu, Sabah	Team Leader, Drainage & Waste Management	2004
EIA for Development of Sabah INTAN (Institut Tadbiran Awam Negara) Campus At KKIP, District of Tuaran, Sabah	Team Leader, Waste Management, Drainage & Hydrology, Utilities & Infrastructure	2004
EIA for the Proposed Permanent Sewage Treatment Plant for Jalan Tun Hussein Onn, Bintulu, Sarawak	Team Leader, Engineering Aspects, Hydrology & Drainage	2004
EIA for Existing Quarry Operation on PL 106291605, PL 106177164, CL 105169015 and PL 106291178 at Mile 5, Jalan Sin On, District of Tawau, Sabah	Drainage, Hydrology, Waste Management & Traffic	2004
EIA for the Proposed Development of Oil Palm Plantation in Marup Land District, Sedarat Oil Palm Estate, Sri Aman, Sarawak	Civil Engineering, Hydrology & Soil Erosion	2004
EIA for the Proposed Development of Oil Palm Plantation in Marup Land District, Lemanak Oil Palm Estate, Sri Aman, Sarawak	Civil Engineering, Hydrology & Soil Erosion	2004
EIA for Proposed Development of Oil Palm Plantation in Bukit Besai Land District, Batu Kaya Oil Palm Estate, Sri Aman, Sarawak	Civil Engineering, Hydrology & Soil Erosion	2004
EIA for the Proposed Development of Oil Palm Plantation in Silantek & Melikin Land District, Melikin Oil Palm Estate, Serian, Sarawak	Civil Engineering, Hydrology & Soil Erosion	2004
EIA for Proposed Small Hydroelectric Scheme At Sg. Mokodou, District of Ranau, Sabah	Team Leader, Hydrology, Flooding & Drainage, Infrastructure & Utilities	2004
EIA for Proposed New Dewan Undangan Negeri Sarawak (DUN) Complex at Petra Jaya, Kuching, Sarawak	Team Leader, Engineering Aspects, Hydrology & Drainage	2004
EIA for Proposed Sungai Bidut Road (Phase 1) in Sibul Division, Sarawak	Engineering Aspects, Traffic, Hydrology, Drainage	2004
EIA for the Proposed Singgah Mata Development Project on TL 017546940, TL 017544713, TL 017544642, TL 017544651 and TL 017544660 at Kampung Air, Kota Kinabalu, Sabah	Team Leader, Drainage & Waste Management	2004



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for Proposed Livestock Farming Area (LFA) at Pasir Puteh, Samarahan Division, Sarawak	Project Director, Engineering Aspects, Wastewater Engineering	2004
EIA for Sugud Islands Marine Conservation Area: Pulau Lankayan, Pulau Billean and Pulau Tegaipil Labuk-Sugud District, Sandakan, Sabah	Team Leader, Hydrology, Waste Management, Utilities & Infrastructure	2004
EIA for Proposed Upgrading, Construction and Completion of Coastal Road From Kpg. Selamat to Kpg. Mentelitip, Semporna, Sabah	Waste Management, Drainage & Hydrology, Traffic, Utilities & Infrastructure	2004
EIA for Proposed Oil Palm Plantation on CL 095325714 at Tenegang, District of Kinabatangan, Sabah	Hydrology, Waste Management	2003
EIA for the Proposed Integrated Commercial and Residential Development on CL. 015561878 and Joint Venture Land Parcel at Tg. Aru and Sembulan Urban Renewal Scheme Phase 3 at Jalan Pantai Baru, Kota Kinabalu, Sabah	Team Leader, Hydrology, Waste Management & Traffic	2003
EIA for the Existing Quarry Operation on Lot 015346353 and 9 others at Kpg Kironnggo, Inanam, Sabah	Drainage, Hydrology, Waste Management & Traffic	2003
EIA for Extended Study for Proposed Quarrying Activities at Sepanggar, Kota Kinabalu, Sabah	Waste Management, Drainage, Traffic Impact, Infrastructure	2003
EIA for the Proposed Forest Harvesting Within Luasong Project Area (Block YT2/03) At Kalabakan Forest Reserves, Tawau District, Sabah	Hydrology, Waste Management, Infrastructure, Traffic	2003
EIA for Proposed Jalan Mulukun / Ng. Gaat Road, Phase 1, Kapit Division, Sarawak	Hydrology and Drainage, Traffic, Infrastructure and Utilities	2003
EIA for the Proposed Housing Development On Lot 5287 and Lot 4567, Block 11, Seduan Land District, Sibu Division, Sarawak	Team Leader, Engineering Aspects, Hydrology & Drainage & Geology	2003
EIA for The Proposed Bukit Goram / Ng. Yong Road (Package B), Kapit Division, Sarawak	Team Leader, Engineering Aspects, Hydrology & Drainage, Traffic, Infrastructure & Utilities	2003
EIA for The Proposed Access Road and Batang Rajang Bridge At Upper Lanang, Sibu Division, Sarawak". Throughout this report, it will be referred to as the "Project	Project Manager, Hydrology, Waste, Hydraulics	2003
EIA for Proposed Mixed Development On PL. 15196, PL. 16225 and L. 10375, Kg Layung, Jalan Tengah Nipah, Lahad Datu, Sabah	Team Leader, Hydrology, Waste Management & Traffic	2003
EIA for Proposed Quarry Operation On NT 043142212, NT 043142203, NT 043136447, NT 043142196, NT 043129924, NT 043191082, NT 043134112 and NT 043142221 at Kpg. Tampulan, Telipok, Sabah	Waste Management, Drainage & Hydrology, Traffic, Utilities & Infrastructure	2003
EIA for Proposed Jalan Tebakang Melayu/Kg. Krusin Project, Samarahan Division, Sarawak	Hydrology, Soil Erosion, Traffic	2003
EIA for Proposed Production Increase and Resin Plant Expansion of Hikmal Chemical Products Plant, Kemena Industrial Estate, Bintulu, Sarawak	Project Director, Waste Management	2003
EIA for the Proposed Factory for Recovery of Metal at Arab Malaysian Industrial Park, Nilai, Negeri Sembilan, Malaysia	Project Director, Waste Management	2003
DEIA for Proposed Sarawak Aluminium Smelter Project at Similajau, Bintulu Division, Sarawak	Project Director, Hydrology	2003
EIA for Proposed Riverstone Extraction from Sg Lukutan, Malalia, Sipitang District, Sabah	Hydrology, Engineering Aspect, Waste Management & Traffic	2003



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for Proposed Quarry Operation and Related Activities at Lots CL 125312923, 125312932, 125313448, 12531347 & 125313466, Semporna, Sabah	Waste Management, Hydrology and Drainage, Traffic	2003
EIA for New Seawall & 9 Units Single Storey Shop At Jalan Pasar, Kudat, Sabah	Team Leader, Waste Management, Drainage & Infrastructure	2003
EIA for The Proposed Quarry On Lot 11, Sungai Mendalam Land District, Sungai Bawang, Limbang, Sarawak	Project Director, Vibration, Noise, Hydrology and Drainage	2003
EIA for Proposed Housing Development On NT 023191559 and 20 Others at Kuala Kinarut, District of Papar, Sabah	Waste Management, Infrastructure & Utilities, Drainage, Traffic Impacts	2003
EIA for The Proposed Construction and Completion of "Institut Latihan Perindustrian (ILP)" at Lot 2109, Bandar Baru Permy Jaya, Kuala Baram, Miri Division, Sarawak	Hydrology, Waste Management & Civil Engineering Aspects	2002
EIA for Proposed Oil Palm Plantation (OPP) on Lot 27, Oya-Dalat Land District and Lot 3562 Retus Land District, Mukah Division, Sarawak	Team Leader, Hydrology and Waste Management	2002
EIA for the Proposed Immigration, Customs and Quarantine (CIQ) Complex At Sungai Tujuh, Miri Division, Sarawak	Project Director, Engineering & Hydrology, Waste Management	2002
EIA for Proposed Fruit Plantation On Lot 4448, Sibuti Land District and Lots 3935 & 3936, Lambir Land District, Miri Division, Sarawak	Waste Management, Hydrology	2002
DEIA for Proposed Scheduled Wastes Incinerator at Proton Plant, Tanjung Malim, Perak, Malaysia	Project Director, Waste Management	2002
DEIA for the Proposed Electronic Waste Recycling and Recovering of Precious Metals Facility at Taman Teknologi Cheng, Melaka Tengah, Melaka, Peninsular Malaysia	Project Director, Waste Management, Hydrology	2002
EIA for Kudat Resort Hotel Development On TL 057505745, Kudat District, Sabah	Hydraulics, Waste Management, Drainage & Infrastructure	2002
PEIA for the Proposed Acid Sulphate Agricultural Research Station at Sg. Bapa, Sarikei Division, Sarawak	Hydrology, Drainage	2002
EIA for Proposed Construction and Completion of the New Lutong-Kuala Baram Road, Miri Division, Sarawak	Engineering Aspects, Hydrology, Drainage & Waste Management	2002
EIA for Existing KAC Quarry on Lots P.T. 85190247 & P.T. 87190779, Bukit Seboboh, Sipitang, Sabah	Waste Management, Drainage & Hydrology	2002
EIA for the Proposed Sand Extraction On PL11261 At Kpg. Manggis/Kogopon/Kaiduan, Papar District, Sabah	Hydrology, Channel Erosion, Waste Management	2002
EIA for Proposed Upgrading of Existing 6.9 km Batu Kawa Road and 3 rd Mile Traffic Light Junction, Kuching, Kuching Division, Sarawak	Waste Management, Traffic & Civil Engineering Aspects	2002
EIA & QRA for Proposed Expansion of the ASEAN Bintulu Fertilizer (ABF) Sdn Bhd at Tanjong Kidurong, Bintulu, Sarawak	Waste Generation & Management	2002
EIA for Proposed Quarry Operation on PL 196290150 and PT 91190222 at Kampung Sibuboh, Sipitang District, Sabah	Waste Management, Hydrology & Drainage	2002
DEIA for Proposed Integrated Domestic, Scheduled and Hazardous Wastes Management and Disposal Centre in Mambong, Kuching	Project Director, Waste Management	2002
EIA for Proposed Timber Wastes Dumping Ground, Bintulu, Sarawak	Project Director, Hydrology, Leachate Management, Traffic Analysis	2002



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
PEIA for Proposed Smokeless Incinerator for Divisional Veterinary Office at Miri, Miri Division, Sarawak	Waste Management & Civil Eng. Aspects	2002
EIA for The Proposed Forest Harvesting in Benta Wawasan Concession (BW) Area for Coupe 7/02, Lahad Datu, Sabah	Hydrology, Waste Management	2002
EIA for the Proposed Forest Harvesting in Benta Wawasan Concession (BW) Area for Coupe 7/02, Lahad Datu, Sabah	Hydrology, Waste Management	2002
EIA for Crushing Activities At Sepangar, Tuaran District, Sabah	Waste Management, Drainage	2002
EIA for Proposed Quarrying Activities at Sapangar, Tuaran, Sabah	Hydrology, Waste Management, Drainage	2002
EIA for Proposed Marine Sand Borrow Area Offshore of Sabah	Waste Management, Traffic Impact, Infrastructure	2002
EIA for the Proposed Oil Palm Plantation At La 97100183, Sg. Silimpocon, Kalabakan, Tawau District, Sabah	Waste Management, Infrastructure	2002
EIA for the Proposed Weir across Sg. Sarawak Kiri, downstream of Batu Kitang Raw Water Intakes, Kuching, Sarawak	Project Director, Hydrology, Waste Management	2002
EIA for Proposed Mukah Polytechnic, Mukah Division, Sarawak	Hydrology, Waste Management & Civil Engineering Aspects	2002
EIA for Proposed Mixed Housing Development At Lots 14, 133, 141, 145 Of Block 18, Seduan LD & Sibu O.T. 2316, Jalan Salim, Sibu Division, Sarawak	Hydrology, Waste Management & Civil Engineering Aspects	2002
EIA for the Proposed Sand Extraction at Sungai Bandau, Pekan Lama, Kota Marudu, Sabah	Hydrology, Channel Erosion, Waste Management	2002
EIA for Sand Extraction at Sg. Abai, Lot PL 036014472, Kg. Lebak Moyoh, Kota Belud, Sabah	Channel Erosion, Hydrology	2002
EIA for The Proposed Forest Harvesting at LA 97100183 Sg. Silimpocon, Tawau District, Sabah	Waste Management, Infrastructure	2002
EIA for Proposed River Stone Extraction At LA 88172739 and Processing at Existing Facility, Kpg. Montenor, Beaufort, Sabah	Hydrology, Channel Erosion, Waste Management	2001
EIA for the Proposed Development of the Shipbuilding Industrial Estate at Lot 284 Seduan Land District, Rantau Panjang, Sibu Division, Sarawak	Engineering Aspects, Hydrology & Waste Management	2001
EIA for the Proposed Temporary Scheduled Wastes Storage Facility (Off-Site) At Kuching Port Authority, Pending, Kuching Division, Sarawak	Project Director, Waste Management	2001
EIA for Proposed Sea Sand Borrow Area Off Pantai Dalit Tuaran, Sabah	Waste Management, Traffic Impact, Infrastructure	2001
EIA for the Proposed 4-Storey Walk Up Medium Low Cost Apartments, 5-Storey Walk Up Low Cost Apartment and 2-Storey Shoplots on Lots CL045327384, CL045327393, CL045327400, CL045327419, CL045327428, CL045327437, CL045327446, CL045332401, NT043227498, NT043227514 and NT043227523 at Tuaran District, Sabah	Engineering, Hydrology	2001
EIA for Installation and Operation of Smokeless Incinerator At Animal Quarantine Station, Jalan Patau-Patau, Wilayah Persekutuan Labuan	Waste Mgmt. & Civil Eng. Aspects	2001
EIA for Proposed Prawn Farming at Sg. Samawang, Sandakan District, Sabah	Hydrology, Waste Management	2001
EIA for the Proposed Sand Extraction at Kampung Dungang, Tuaran, Sabah	Channel Erosion, Hydrology	2001



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for Sand and Earth Removal At Kpg. Kabang/Kpg. Purak, Papar, Sabah	Hydrology, Channel Erosion, Waste Management	2001
EIA for Proposed Oil Palm Plantation at Tongod, Sandakan District, Sabah	Hydrology, Waste Management, Utilities, Infrastructure	2001
EIA for the Proposed Sand Extraction at Kampung Kota, Tuaran, Sabah	Channel Erosion, Hydrology, Waste Management	2001
EIA for the Proposed Sand Extraction at Kampung Bantayan, Tamparuli, Tuaran, Sabah	Channel Erosion, Hydrology, Waste Management	2001
EIA for Proposed Quarry On CL 235311510 Kampung Salimpodon Darat, Pitas, Kudat Division, Sabah	Waste Management, Hydrology, Drainage	2001
EIA for the Proposed Riverfront Esplanade Extension & Kapit Passenger Boat Terminal, Kapit, Kapit Division, Sarawak	Hydrology, Waste Management	2001
EIA for Sand Extraction at Kampung Kabang, Papar, Sabah	Hydrology, Channel Erosion, Waste Management	2001
EIA for the Proposed Low Cost Single Storey Terrace Housing On Lots 37, 38, 39, 40, 41, 42, 43, 45, 46, & 47 Block 7, Matang Land District, Sungai Tengah, Matang, Kuching, Sarawak	Hydrology, Waste Management & Civil Eng. Aspects	2001
EIA for Sand Extraction at Kampung Manggis, Papar, Sabah	Channel Erosion, Hydrology, Waste Management	2001
PEIA for the Proposed Federal Administrative Centre (FAC) Sarawak, Rambungan, Kuching Division, Sarawak	Civil Engineering, Waste Management, Utilities, Infrastructure	2001
EIA for Proposed Re-Entry Logging Operation At Ulu Sg. Pinangah, Wilayah Sandakan, Sabah	Hydrology, Waste Management, Infrastructure	2001
EIA for The Proposed Vegetables and Fruits Cultivation Project On Lot 2108, Kuala Baram LD, Miri	Hydrology, Drainability, Waste Mgmt. & Civil Engineering Aspects	2001
EIA for The Proposed Melinsung Summer Bay Resort Apartments, Jalan Kinarut-Papar, Sabah	Hydrology, Infrastructure & Utilities	2001
EIA for Proposed Sanitary Landfill at Bekenu (Sibuti), Miri Division, Sarawak	Project Director, Hydrology, Leachate Management	2001
EIA for Proposed Housing Development at Lots 38-44, 66-69, 270, 476 and 480 Block 1, Menyan Land District, Sibul, Sarawak	Engineering Aspects, Hydrology, Waste Management	2001
EIA for Proposed Access Road to Federal Administrative Centre (Jalanraya Menuju Ke Kompleks Kerajaan Persekutuan) at Matang, Kuching Division, Sarawak	Hydrology, Sewage & Solid Waste	2001
EIA for Proposed Forest Logging Operation at Trusmadi Class II Forest Reserve, Keningau District, Sabah	Engineering Aspects, Hydrology, Waste Management, Infrastructure	2001
SEIA for the Proposed Sino-Malaysia JV Forest Plantation, Kalabakan and Gunung Rara Forest Reserves, Tawau District, Sabah	Waste Management & Infrastructure	2000
EIA for The Proposed Logging Activities in Sapulut Forest Reserve, Tibow District, Tawau Division, Sabah	Engineering Aspects, Hydrology, Waste Management, Infrastructure	2000
EIA for Proposed Forest Logging Activities in Sepulut Forest Reserve, Tibow District, Tawau Division, Sabah	Engineering Aspects, Hydrology	2000
EIA for the Proposed Forest Logging Operation in Pensiangan Forest Reserve, Nabawan District, Sabah	Engineering Aspects, Hydrology, Waste Management, Infrastructure	2000



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for The Proposed Forest Harvesting in Benta Wawasan Licence Area for Coupes 2000-2001, Kalabakan and Gunung Rara Forest Reserves, Tawau District, Sabah	Hydrology, Waste Management, Infrastructure	2000
EIA for Proposed Oil Palm Plantation at Sg. Milian, Kinabatangan, Sandakan District, Sabah	Hydrology, Waste Management	2000
EIA for Proposed Earth Extraction and Removal Activities at Lot 566, Block 3, Sentah-Segu Land District, Semenggok Kuching Division, Sarawak	Waste Management	2000
EIA for the Proposed Memorial Park on Lots 1130 & 1132, Pasai – Siong Land District, Sibul, Sarawak	Engineering Aspects, Hydrology, Waste Management	2000
PEIA for Proposed Smokeless Incinerator at the Divisional Veterinary Office and Diagnostic Laboratory, Sarikei, Sarikei Division, Sarawak	Waste Management	2000
EIA for Proposed Oil Palm Plantation at Melugu, Sri Aman/Serian Road, Sri Aman Division, Sarawak	Waste Management, Engineering	2000
EIA for Proposed GML Quarry of Limestone & Related Activities at Km 63 Tawau/Lahad Datu Highway, Tawau District, Sabah	Hydrology, Waste Management, Drainage and Infrastructure	2000
EIA for Proposed Kuching Family Park at Jalan Sultan Tengah, Santubong Area, Kuching	Engineering Aspect, Hydrology, Waste Management	2000
EIA for Proposed Oil Palm Plantation on Lot 619, Block 5, Tulai Land District, Sarikei Division and Lots 1281 & 1282, Assan Land District, Sibul Division, Sarawak	Sewage, Waste Management, Infrastructure	2000
PEIA for the Proposed Bulk Gas Plant at Samajaya Free Industrial Zone, Kuching, Sarawak	Waste Generation, Hydrology	2000
EIA for the Proposed Tiger Prawn Farm On Lots 420a, 423a 426 & 147, Pendam, Sadong Jaya, Samarahan Division, Sarawak	Hydrology/Waste Management	2000
EIA for Proposed Coal Mining Project in MC 3D/1/1993, Balingian, Sibul Division, Sarawak	Waste Management, Infrastructure	2000
EIA for Proposed Soon Hup Garden on Lots 1867, 2922, 2924 & 2928, Block 11, Seduan Land District (Part of Old Lot No. 1504), Sibul Division, Sarawak	Engineering Aspect, Hydrology, Waste Management	2000
EIA for Proposed Taman Soon Hup at Jalan Teku, Sibul Division	Project Director, Engineering Aspect, Hydrology, Waste Management	2000
PEIA for the Proposed Bulk Gas Plant at Samajaya Free Industrial Zone, Kuching, Sarawak	Waste Generation, Hydrology	2000
EIA for Proposed Sanitary Landfill at Tundong, Bau, Kuching Division, Sarawak	Project Team Leader, Waste, Hydrology, Engineering Aspect	2000
EIA for Proposed Oil Palm Plantation at Lot 21, Arip Land District, Balingian, Sibul Division, Sarawak	Sewage, Waste Management, Infrastructure	2000
EIA for Proposed Oil Palm Plantation at Lots 51 & 52 Block 7, Selezu Land District and Lot 150 Block 40, Kemena Land District, Bintulu Division, Sarawak	Engineering Aspects, Hydrology, Waste Management	2000
EIA for Proposed Demak Laut Industrial Extension Development (DLIED) at Demak Laut Industrial Area, Kuching Division, Sarawak	Engineering Aspect, Hydrology, Waste Management	2000
EIA for Proposed Development of Commercial Shoplots on Lots 556 and 163, Limbang Town District, Limbang Division, Sarawak	Project Manager, Engineering Aspect, Hydrology, Waste Management	2000



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
EIA for General quarrying activities and stockpiling at Lot 9513, Lots 9513 & 572-573 Senggi Poak Land District, Bau District, Sarawak	Waste Management, Hydrology and Drainage	2000
EIA for The Proposed Indigenous Forest Plantation at Buan Forest Reserve, Tatau District, Bintulu Division, Sarawak	Waste Management, Hydrology, Infrastructure	2000
EIA for the Proposed Sanitary Landfill at Kemuyang, Sibul Division, Sarawak	Hydrology, Waste Management	2000
EIA for Proposed Kampung Jepak Extension Scheme, Bintulu Division, Sarawak	Project Director, Engineering Aspects, Hydrology	2000
EIA for Proposed Integrated Oil Palm Plantation and Palm Oil Mill at Labu, Temburong District, Negara Brunei Darussalam	Hydrology, Waste Management	2000
EIA for the Proposed Integrated Oil Palm Plantation at Bangar, Temburong District, Negara Brunei Darussalam	Hydrology, Waste Management	2000
EIA for Proposed RPR Kidurong Phase III & IV, Bintulu Division, Sarawak	Project Director, Engineering Aspects, Hydrology	2000
EIA for Proposed Oil Palm Plantation at Lot 1, Block 11, Kemena Land District, Bintulu Division, Sarawak	Hydrology, Waste Management	2000
EIA for Proposed Oil Palm Plantation at Lot 1 Block 15 Kemena Land District, Bintulu Division, Sarawak	Waste Management, Hydrology	2000
EIA for Proposed Quarry at the Approved 8.03-ha State Land (Part of Ex-ML131) Adjacent to the Existing QL No. KD/1/1993, Gunung Pangga, Buso, Bau District, Kuching Division, Sarawak	Waste Management, Hydrology and Drainage	1999
EIA for Proposed Low-Medium Cost Housing at Batu 13 Jalan Kuching-Serian Road, Sarawak	Engineering Aspect, Hydrology, Waste Management	1999
EIA for Proposed Batang Igan Bridge and Connecting Access Road, Sibul, Sarawak	Project Manager, Hydrology, waste, Hydraulics	1999
PEIA for Proposed Smokeless Incinerator at Animal Quarantine Station, Mile 8¼, Bintulu-Miri Road, Bintulu, Sarawak	Waste Engineer	1999
EIA for Proposed Oil Palm Plantation at Balingian Land District 9, Sibul, Sarawak	Waste Management, Hydrology	1999
EIA for Proposed Sandstone Quarry at KM 31.5, Jalan Bintulu-Miri, Bintulu Division, Sarawak	Waste Management, Hydrology and Drainage	1999
EIA for Proposed Oil Palm Plantation at Lot 1489, Jemoreng Land District, Sarikei Division, Sarawak	Waste Management, Engineering	1999
EIA for Proposed Integrated Fishing Development at Loba Batu Blat, Kuching, Sarawak	Project Director, Engineering Aspect, Hydrology, Waste Management	1999
EIA for Proposed Oil Palm Plantation at Lot 1493, Jemoreng Land District, Daro, Sarawak	Hydrology, Waste Management	1999
EIA for Proposed Oil Palm Plantation at Lot 2109 Kuala Baram Land District, Miri Division, Sarawak	Hydrology, Waste Management	1999
EIA for Proposed Sand Extraction Activity Off Kg. Butir, Miri Division, Sarawak	Hydrology, Waste Management	1999
EIA for Proposed Oil Palm Plantation at Simunjan, Samarahan, Sarawak	Waste Management, Engineering	1999
PEIA for Proposed Water Retardation Ponds For Taman Tunku Phase II, Miri, Sarawak	Waste Management, Hydrology	1999
EIA for Proposed Sri Jaya Park at Sri Aman, Sarawak	Hydrology and Waste Management	1999



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
DEIA for Proposed Alumina Refinery in Similajau, Bintulu, Sarawak, Malaysia	Wastewater Management	1999
PEIA for Taman Soon Hup, Lots 1727 & 1730, Block 11, Seduan Land District, Sibiu-Oya Road, Sibiu Division, Sarawak	Hydrology and Waste Management	1999
PEIA for Proposed Oil Palm Plantation at Lot 158, Suai Land District, Miri Division, Sarawak	Hydrology and Waste Management	1999
PEIA for the Proposed Oil Palm Plantation at Saribas - Krian, Sri Aman Division, Sarawak	Waste Management	1998
PEIA for the Proposed Batang Baram Bridge, Miri, Sarawak	Hydrology & Waste	1998
PEIA for Proposed Landfill at 8 th Mile, Jalan Matang, Kuching, Sarawak	Project Director, Hydrology, Drainage and Waste Management	1998
PEIA for The Proposed Oil Palm Plantation at Lupar – Layar, Sri Aman Division, Sarawak	Waste Management	1998
PEIA for the Proposed Tiger Prawn Farm on Kuching Lease of Crown Land No. 9316 of 1955 or (Lots 682 & 683, Block 10), Salak Land District, Buntal, Kuching, Sarawak	Hydrology, Waste Management	1998
PEIA for the Proposed Tiger Prawn Farm on Kuching Occupation Ticket Land No. 4375 of 1927 Or (Lots 686b & 685b, Block 10), Salak Land District, Buntal, Kuching, Sarawak	Hydrology, Waste Management	1998
PEIA For the Proposed Tiger Prawn Farm on Kuching Occupation Ticket Land No. 4375 Of 1927 or (Lots 686a & 685a, Block 10), Salak Land District, Buntal, Kuching, Sarawak	Hydrology, Waste Management	1998
PEIA for Proposed Tiger Prawn Farm on Kuching Lease Of Crown Land No. 9315 of 1955 or (Lot 680, Block 10), Salak Land District, Buntal, Kuching, Sarawak	Hydrology, Waste Management	1998
PEIA for Proposed Low-Medium Cost Housing At Taman Malihah, Kuching, Sarawak	Waste Management, Hydrology	1998
PEIA for Proposed Low Cost Housing at Kota Samarahan, Samarahan Division, Sarawak	Hydrology, Drainage and Waste Management	1998
PEIA for Proposed Mixed Housing Development at Taman Tunku – Phase II, Miri Division, Sarawak	Waste Management, Hydrology	1998
EIA for Proposed Residential cum Commercial Development at Sama Jaya Selatan, Kuching, Sarawak	Waste Management, Hydrology	1998
PEIA for Proposed Tiger Prawn Farm on Lots 901, 213 & 206, Block 8, Salak District, Tanjung Sedungus, Kuching, Sarawak	Hydrology, Waste Management	1998
PEIA for Proposed Asam Paya Field Development Project, Miri, Sarawak	Process of Oil Extraction, Transportation, Waste Generation	1998
PEIA for Proposed Oil Palm Plantation In Block E, Kanowit, NCR Land Development Area, Sibiu, Sarawak	Sewage, Waste Management	1998
PEIA for Proposed Water Reservoir/Retardation Basin For Bandar Baru Permyjaya, Miri, Sarawak	Waste Management, Hydrology	1998
PEIA for Proposed Forest Harvesting in Coupe 1, Forst Licence T/3190, Belaga-Balui Stateland Forest, Sarawak	Hydrology	1998
EIA for Proposed Desa Senadin Integrated Industrial City, Miri, Sarawak	Waste Management, Hydrology	1998
PEIA for Proposed Beverly Garden Development, Mile 13 th , Kuching-Serian Road, Kuching, Sarawak	Waste Management, Hydrology	1998



<u>Projects</u>	<u>Responsibilities</u>	<u>Year</u>
PEIA for Proposed Oil Palm Plantation at Lot 1, Block 10, Buan Land District, Tatau, Bintulu, Sarawak	Hydrology, Sewage, Waste Management	1998
PEIA for Proposed Oil Palm Plantation at Lot 7, Block 1, Balingian Land District, Sibul, Sarawak	Hydrology, Drainage, Waste Management	1998
PEIA for Proposed Oil Palm Plantation at Lot 1, Block 17, Kemena Land District, Bintulu, Sarawak	Hydrology, Waste Management	1998
EIA for Proposed Sand Extraction for Bandar Samariang, Sarawak	Waste Management, Hydrology	1997
PEIA for Proposed Oil Palm Plantation at Lot 1, Sawai Land District, Miri, Sarawak	Hydrology, Waste Management	1997
PEIA for Proposed Incinerator at Kota Samarahan, Sarawak	Waste Management	1997
PEIA for the Proposed Kuching Riverfront Development Project, Kuching, Sarawak	Hydrology	1997
EIA for Proposed Construction and Completion of Kpg. Puruh Garung-Kpg. Padawan Road and Link Road, Kuching, Sarawak	Environmental Eng., Hydrology, Sewage, Solid Waste	1997
PEIA for Pulau Keris Development at Santubong, Sarawak	Waste Management	1997
EIA for Proposed Royal Palm Golf and Country Resort, Miri, Sarawak	Waste Management, Hydrology	1997
PEIA for Proposed Quarry at Bukit Udur, near Siburan, Kuching Division, Sarawak	Hydrology, Wastes	1997
PEIA for Proposed Beluru Oil Palm Plantation in Miri, Sarawak	Hydrology, Sewage, Solid Waste	1997
PEIA for Proposed Oil Palm Plantation located at Lot 1, Block 41, Suai Land District, Miri Division, Sarawak	Waste Management, Hydrology	1997
PEIA for Proposed Beluru Oil Palm Plantation, Miri, Sarawak	Hydrology, Sewage, Solid Waste	1997
PEIA for Proposed Quarry at Bukit Jebong in Lundu, Sarawak	Hydrology	1997
PEIA for The Proposed Bintulu Cement Grinding Plant, Kidurong Industrial Area, Bintulu Division, Sarawak	Process Sewage, Solid Wastes	1996
PEIA for Proposed Oil Palm Plantation in Belaga, Kapit Division, Sarawak	Waste Management	1996
DEIA for Proposed Chemical Pulp Mill, Bintulu, Sarawak	Project Coordinator, Infrastructure and Utilities, Land-use, Solid & Scheduled Wastes, Wastewater Management	1996
PEIA for Proposed Sandstone Quarry at Kampung Benoni, Papar, Sabah	Project Coordination	1996
EIA for Proposed Oil Palm Plantation on Lot 1, Oya-Dalat Land District, Sibul Division, Sarawak	Hydrology, Waste Management	1995
EIA for Proposed Oil Palm Plantation on Lot 12, Oya-Dalat Land District, Tanggi, Sibul Division, Sarawak	Water Pollution Projection	1995
EIA for Proposed Oil Palm Plantation on Lot 1, Block 54, Kemena Land District, Bintulu, Sarawak	Environmental Engineer	1995

Design and Construction of Wastewater, Sewage and Water Treatment Facilities

Ecological Sanitation Pilot Plant at Taman Hui Sing, Kuching, Sarawak, Malaysia – DANIDA-Sarawak State Government

Project Director for the design, construction, installation and commissioning of a pilot Ecological Sanitation (ECOSAN) wastewater treatment system serving nine (9) residential homes at Hui Sing Garden. This project is a result of planning by the State Government of Sarawak, Malaysia to have an effective, low-cost domestic sewage treatment system for the City of Kuching. The ECOSAN system, the



first of its kind in the country, comprises a self contained black and grey water treatment system. The black water treatment system involved the replacement of existing toilets with low-flush toilets, converting existing septic tanks to blackwater storage tanks, piping installation/modification to facilitate efficient transferring of blackwater to desludging tankers and blackwater processing at a biogas facility. The ECOSAN system collects the greywater via a piping network, passes through an oil and grease chamber and then treated in an on-site constructed wetland system.

Wastewater Treatment System for Abattoirs – Sibü Municipal Council, Miri Municipal Council and Bintulu Development Authority

Designed and preparation of engineering drawings and tender documents for the three council's abattoir wastewater treatment plant. A batch treatment system, Sequential Batch Reactor (SBR), was used. This system was chosen as it is deemed most suitable for abattoir's fluctuating waste flow and concentration. As the budget for these plants are relatively small, several processes of the treatment were "customised-designed" in an effort to save cost.

Poultry Processing Wastewater Treatment Plant – Central Cold Storage Sdn Bhd

Designed the expansion and improvement to the existing wastewater treatment plant for Central Cold Storage's poultry processing plant in Bintawa, Sarawak. Due to space constraint, the existing aeration system is converted to a Sequential Batch Reactor (SBR) system which is more suitable for handling shock loading.

Engineering drawings are prepared and supervised the construction of the modification works. The installation, commissioning and testing is expected to be completed by February of 1999.

Piggery Waste Treatment System - Tun Fa Brothers Sdn Bhd

Designed the first piggery waste treatment system in Sarawak. The treatment system was for Tun Fa Brothers Pig Farm located at 29th Mile Kuching/Serian Road. The treatment system was designed for a standing pig population (SPP) of 10,000 with a daily wastewater flow of about 400 cubic meters. This system was installed to satisfy the new regulation whereby farmers will not be allowed to continue pig farming if the wastes discharged are not treated. His responsibilities included setting out the design criteria and approach, preparation of construction drawings, mechanical equipment specification, installation and commissioning of equipment installed.

Extended Aeration Sewage Treatment Plant - Doyon Development Sdn Bhd

Design, built, install, test and commission a 1,100 P.E extended aeration sewage treatment plant for Brighton Condominium in Miri. Process design include a grit chamber, pump sump, two aeration tanks, two clarifiers, a sludge holding tank and a pump room. The system was designed adhering to the guidelines of the Ministry of Housing and Local Government and Indah Water Konsortium (IWK). Standard A effluent is expected from the treatment plant.

Water Treatment Plant - C.H.I Bakun - Usahasama Paduan

Designed and coordinated the installation of a 6m³/hr water filtration and sterilization treatment system in Bakun. The system was designed to produce potable water for workers at the construction campsite. Design responsibilities include the sizing of the raw water pump, clarifier, sand filters and an ultraviolet disinfection system. Field responsibilities in this project included field administrative work on site inclusive of logistical arrangements, transportation arrangements and coordination of the various field team on site.

Poultry Processing Wastewater Treatment Plant - Desa Hatchery Sdn Bhd

Designed and constructed the expansion of the existing wastewater treatment plant for a poultry processing factory in Lok Kawi, Sabah. The existing WTP was not producing effluent to the standards as required by the Department of Environment. A wastewater characterisation study was initially carried out which concluded that the organic loading to the WTP was too overwhelming. Using the principles of wastewater engineering, design was carried out to modify/expand the existing WTP so that quality effluent could be achieved. A static screen to remove feathers and two new aeration tanks using diffused air to treat high organic load were recommended. The existing clarifier was modified to fix its hydraulic problems. Appropriate concentration of wastewater treatment chemical such as alum, soda



ash and tri-sodium phosphate were also recommended. Treatment processes involved are screening, aeration tanks, modification to clarifiers and nutrient dosing systems.

Cattle Waste Separation System - Desa Cattle Sdn Bhd

Designed a cattle water treatment system for a beef cattle ranch in Sabah. The treatment system included a flushing system, waste collection pit and a solid-liquid separation system. The flushing system which consisted of a booster pump, HPDE piping and valves was designed to provide sufficient pressure for the farmers to flush the thick cattle dungs into the perimeter drains. The waste collection pit was sized to have one (1) day hydraulic detention time and the separator system imported from Germany was used to separate the solids from the liquid. Solids are recycled to be used as fertilisers.

Special Studies

Sustainable Urban Development (SUD) Project – DANCED – Sarawak Government

Lead project coordinator for the Sustainable Urban Development (SUD) Project in Kuching. The aim of SUD is to develop a coherent Environmental Management System (EMS) for the city. Its purpose is to serve as an effective management guide to ensure that future urban development is sustainable and does not cause environmental degradation. It would be a management tool in which Kuching can be developed in a sustainable manner and also into a clean and healthy city. Two main areas of concern were identified through a series of interviews with relevant stake-holders. They are Sarawak River water quality and Kuching City solid waste management. Worked closely with governmental officers and international consultants (COWI Consulting Engineers) to formulate methodologies to carry out various surveys.

Pig Farming Areas (PFA) – Natural Resources and Environment Board (NREB, Sarawak)

Project Director to carry out a feasibility study for implementing centralized PFA at Pasir Puteh, Samarahan Division and Tanjung, Limbang. The objectives of the study are to determine whether the PFAs can be developed at these two sites cost effectively without unnecessarily stressing the environment and are socially and logistically acceptable. Components of the study include: site selection, market analysis, water resources assessment, conceptual layout and design, facilities requirement, bio-security, waste and wastewater management.

Environmental Permitting (Compliance with DOE Requirements)

- 1) Mee Ming Bricks Factory Sdn Bhd (AS 11)
 - Brick manufacturing factory in Bintulu, Sarawak
- 2) Kian Joo Aluminium Industries Sdn Bhd (AS 11)
 - Manufacturing of Aluminium Roofing Sheets in Pending, Kuching, Sarawak
- 3) Hock Seng Lee Heavy Industries Sdn Bhd (AS 9)
 - Workshop for the reconditioning of heavy machinery
- 4) State Farmers Organisation (AS 11, AS 9, AP/E/1/96, AP/E/3P/82)
 - Setting up a deep freezing plant, Tarat, Kuching, Sarawak
- 5) Cahya Mata Sarawak, CMS (AS9, AP/E/1/96)
 - Proposed Cement Manufacturing Plant, Bintulu, Sarawak
- 6) Desa Hatchery Sdn Bhd (Contravention licence)
 - Proposed expansion of a poultry processing wastewater treatment plant at Lok Kawi, Kota Kinabalu, Sabah.
- 7) Guocera Tile Industries (Labuan) (Contravention Licence, AS 9)
 - Proposed recycling of wastewater for a tile manufacturing plant in Labuan
- 8) Cahya Mata Sarawak, CMS
 - Licence to import scheduled wastes



LOS ANGELES COUNTY SANITATION DISTRICT, USA (1991 - 1995) - Project Engineer

- **Valencia Wastewater Treatment Plant - Solids Processing Expansion**
Responsible for the conceptual, preliminary, and final design of the external digester mixing system, digester cleanout pump station, digester cleaning facility, and expansion of the filter presses. Performed hydraulic and process capabilities. Prepared piping layout and profiles; process control and instrumentation diagrams; and final design report. Prepared the contractual drawings and specifications.
- **Valencia Wastewater Treatment Plant - Secondary Treatment Improvements**
Project Engineer in charge of the design and construction management of a sedimentation tank and a aeration tank for the 13.5 MGD plant to replace existing tanks damaged during the Northridge earthquake. Tasks involved the full understanding of the unit processes, hydraulic analyses, process equipment design and selection (fine bubble air diffusers, sludge collection chains, scum skimmers, pumps, etc.). Coordinated with structural and electrical groups to keep project on schedule. Prepared tender documents for bidding process.
- **Palmdale Wastewater Treatment Plant - Stage Four**
Completed the design and construction management for two aerated grit chambers and a potable/non-potable water pump station. Analysed the hydraulic and process control requirements for these systems, and prepared specifications for all equipment including pumps, compressors, blowers and valves.
- **Santa Clarita Valley Wastewater Treatment Plant**
Engineer responsible for the establishment of conceptual design criteria for a proposed 25 MGD Wastewater Treatment Plant. Performed preliminary sizing and layout of major treatment unit processes including influent pumping station, grit chambers, primary and sedimentation tanks, aeration tanks, filtration, chlorination, solids handling, and chemical storage facilities. Prepared the design and construction cost estimate for the project.
- **Los Coyotes Wastewater Treatment Plant - Influent Diversions**
Responsible for the modification of the existing influent pump station and the design of a force main to divert influent flow around the plant. Examined existing pumps capacity and recommended the best force main layout.
- **Palmdale and Lancaster Wastewater Treatment Plants - Stage Three**
Responsible for the contract administration activities associated with the construction of these wastewater treatment plants. Reviewed contractor's submittals and operation and maintenance manuals. Established contract records and processed change orders and extra work claims.
- **Palos Verdes Landfill Condensate Treatment System Modifications**
Investigated several treatment systems to treat leachate discharged from the landfill. Designed and selected system that most economically and effectively meets water quality goals. Prepared design drawings and specifications and tender documents.

12. Papers Presented:

- » Ir. Brian Chong and Emil Chong; *Municipal Solid Waste Composition Survey in Kuching, Regional Conference On "Natural Resources and Environmental Management 2001" (NREM 2001) & SHRETS Malaysia 2001 Exhibition, Kuching, Sarawak, 18 – 20 October 2001.*
- » Ir. Brian Chong and Henry Sebastian; *Management of Organic Waste Through In-Vessel Composting, Malaysian Chemical Congress 2002 (MCC 2002) & Malaysian Science and Technology Congress (MSTC 2002), Kuching, Sarawak, 12 – 14 December 2002.*
- » Prof. Paul E. Taiganides, Ir. Brian Chong and Henry Sebastian; *Centralised Pig Farming Area – An Improvement to the Livestock Industry in Sarawak, Malaysian Chemical Congress 2002 (MCC 2002) & Malaysian Science and Technology Congress (MSTC 2002), Kuching, Sarawak, 12 – 14 December 2002.*



- » Ir. Brian Chong; *The Roles and Responsibilities of Planners and Developers, Seminar on Sustainable Urban Wastewater Management, Kuching, Sarawak, 10 – 11 June 2003.*
- » Brian Chong, Henry Sebastian & Burhanudin bin Abu Bakar; *Implementation of an Urban Pilot Scale Ecological Sanitation Wastewater Treatment System in Kuching, Sarawak, A Biennial National Conference & Exhibition on Water and Wastewater Management, Kuala Lumpur, Malaysia, 12 – 4 April 2005.*
- » Dr. Petter D. Jenssen, Dr. Lau Seng, Ir. Brian Chong, Tang Hung Huang, Yrjan Fevang, I. Skadbe; *An Urban Ecological Sanitation Pilot Study in Humid Tropical Climate, 3rd International Ecological Sanitation Conference, Durban, South Africa, 23 – 26 May 2005.*



1. **Family name:** Poong
2. **Given names:** Rebecca Tchu Foh
3. **Date of birth:** 9 June 1976
4. **Age:** 35 years
5. **Nationality:** Malaysian
6. **IC No:** 760609-12-5164
7. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
Murdoch University Perth, Western Australia, November 1997	Bachelor of Science (Environmental Science)

Other Training	
Year	Subject and place
7 July 2010	Related seminar on Dissemination of New Laws under the Environmental Quality Act 1974 by Ensearch and Department of Environment (DOE) Malaysia Kota Kinabalu, Sabah
5 July 2010	Related seminar & workshop – Palm Oil Mill Effluent Tertiary Treatment Technologies (POMET3) by Malaysian Palm Oil Board (MPOB) Kota Kinabalu, Sabah
6 May 2010	Related forum – <i>Forum Bersama Perunding Alam Sekitar: "Pemantapan Sistem Penilaian Kesan Kepada Alam Sekitar"</i> by Jabatan Perlindungan Alam Sekitar Kota Kinabalu, Sabah
30-31 st Mar 2010	Environmental Asia Conference by Asia Executive Programs (AEP) Kuala Lumpur, Malaysia
19-20 Aug 2009	EIA Induction Course for EIA Consultants by DOE with EiMAS Kuala Lumpur, Malaysia
7-8 May 2009	Impact Assessment on Air Pollution & Environmental Health In-House training by Chemsain Konsultant Sdn Bhd Kota Kinabalu, Sabah
28 Oct 2008	Related seminar – as participant for Seminar Latihan Kemahiran Pengurusan Alam Sekitar Bagi Sektor Industri EiMAS and DOE
15-17 Sept 2008	Related seminar – as participant for Strategic Environmental Assessment (SEIA) using RIAM by Niche Training Network in collaboration with Envirolink Sdn Bhd Kota Kinabalu, Sabah
15 July 2008	Related training – as participant for Program Hari Bersama Pelanggan Kilang Kelapa Sawit dan Sesi Dialog 2008 by DOE, Sabah Kota Kinabalu, Sabah
3-4 Jun 2008	Related workshop – as participant for Guidelines on the Economic Valuation of the Environmental Impacts for EIA Projects (Part A & B) by DOE Putrajaya Kuala Lumpur, Malaysia
22-23 May 2008	Resource person for training: Fundamentals of Environment Management Course by the Environment Protection Department in collaboration with Chemsain HRD Sdn Bhd Kota Kinabalu, Sabah



Other Training	
Year	Subject and place
21 May 2008	Related training as participant for an ESH Dialogue by Chemsain HRD Sdn Bhd Kota Kinabalu, Sabah
11 Apr 2008	Related training –as participant for in-house training on hydrology & noise exposure by Chemsain Konsultant Sdn Bhd Kota Kinabalu, Sabah
3 Apr 2008	Related seminar – as participant on ‘Siting and Zoning of Industries’ by DOE, Sabah Kota Kinabalu, Sabah
26-29 Feb 2008	Resource person for training: Fundamentals of Environment Management Course by the Environment Protection Department in collaboration with Chemsain HRD Sdn Bhd Kota Kinabalu, Sabah
26-27 Nov 2007	Related conference – as participant for International Conference on “Nature Conservation in Sabah: The Quest for the Gold Standard” by Sabah Forestry Department Kota Kinabalu, Sabah
4 Oct 2007	Related training –as participant for Water Quality Modeling [understanding and interpretation of the Water Quality Index (WQI)] - In-house training by Chemsain Konsultant Sdn Bhd, Kota Kinabalu Kota Kinabalu, Sabah

8. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Hakka	Mother tongue		
English	1	1	1
Bahasa Malaysia	1	2	2
Mandarin	2	2	3
Cantonese	3	2	3

9. **Registrations:**

Environment Protection Department (EPD), Sabah: Registration No.: **S0007**

Natural Resources Environment Board (NREB), Sarawak: Registration No.: **NREB/I/00588**

Department of Environment (DOE) Malaysia: Registration No.: **C0441**

10. **Present position:** Environmental Manager, Chemsain Konsultant Sdn Bhd

11. **Years within the firm: 12**

12. **Key qualifications: Land Use, Environmental Management, Pollution Control**

13. **Professional experience**

Period	Employer	Position and Main Activities
April 2012 – Present	Chemsain Environmental Consultants Sdn Bhd & Chemsain Konsultant Sdn Bhd, Kota Kinabalu, Sabah	<u>Director</u>



Period	Employer	Position and Main Activities
2008 – Present	<i>Chemsain Environmental Consultants Sdn Bhd & Chemsain Konsultant Sdn Bhd, Kota Kinabalu, Sabah</i>	<u>Environmental Manager:</u> <ul style="list-style-type: none"> • Manage Consultancy Division with a team of 8 people. • Maintain close liaison with government officers and other relevant stakeholders. • Marketing and prepare proposals and tenders for submission to relevant stakeholders.
March 2001 – 2008	<i>Chemsain Environmental Consultants Sdn Bhd & Chemsain Konsultant Sdn Bhd, Kota Kinabalu, Sabah</i>	<u>Environmental Executive:</u> <ul style="list-style-type: none"> • Co-ordinate and prepare Environmental Impact Assessment (EIA) Report, Environmental Management Plan (EMP), Environmental Impact Statement (EIS). • Liaise with clients and relevant governmental and non-governmental agencies regarding environmental issues. • Prepare technical and financial proposals for projects that are listed as prescribed activities or as required by the Environment Protection Department (EPD) and the Department of Environment (DOE).
December 1998 – February 2001	<i>World Wide Fund for Nature (WWF) Malaysia</i>	<u>Project Assistant:</u> Assist in the development of educational programme and visitors information for the Likas Wetlands Project at Kota Kinabalu City Bird Sanctuary: <ul style="list-style-type: none"> • Tour guiding for school groups; • Co-organising events such as World Wetlands Day, World Environment Day, bi-weekly cleaning up, etc; • Publishing fact sheets, leaflets, brochures, newsletter, etc.
April 1998 – November 1998	<i>Sabah Theological Seminary (STS)</i>	<u>Academic Secretary:</u> Administration and academic secretarial work.
December 1996	<i>Murdoch University, Perth, Western Australia</i>	<u>Student:</u> Independent Study Contract on 'Waste Disposal and Its Management in Sabah'.

Selected Environmental Impact Assessment (EIA)

No	Project Title and Location	Client	Task	Year
1.	EIA for the Whole Papar Quarry Life Plan at Benoni, Papar, Sabah	Hap Seng Building Materials Sdn Bhd	Land Use	Ongoing
2.	EIA for the Proposed Replanting of Oil Palm Plantation at Bt. Sekong Estate, Kinabatangan District, Sabah	Abedon Sdn Bhd	Land Use	Ongoing
3.	EIA for the Proposed Replanting of Oil Palm Plantation at Bumiwealth / Inobong / Kolopis / Tanaki Estates, Kinabatangan District, Sabah	Abedon Sdn Bhd	Land Use	Ongoing
4.	EIA for the Proposed Harbour City (Lot 37) at Tanjung Aru, Sembulan, Jalan Pantai Baru, Kota Kinabalu City, Sabah, Malaysia	Capitol Avenue Development Sdn Bhd	Land Use	Ongoing



No	Project Title and Location	Client	Task	Year
5.	EIA for "Projek Bekalan Air Luar Bandar (BALB) Sistem Retikulasi Negeri Sabah Tahun 2011/2012 – Zon 12C (Cadangan Pembinaan Empangan Di Pulau Lihak-Lihak, Semporna)"	Kementerian Kemajuan Luar Bandar & Wilayah	Land Use	Ongoing
6.	EIA for the Proposed 13 & 14-Storey Apartments on NT.213101921, NT.213089297 & PL.216170740, Jalan Minintod, Penampang	Isratama Sdn Bhd	Land Use	Ongoing
7.	EIA for the Proposed Development of Fishery Low-Cost Apartment (Ph 1) – 1,000 Units 5-Storey Walk-Up Low-Cost Apartment at Mile 3, Jalan Bomba, Off Jalan Utara, Sandakan, Sabah	Integral Acres Sdn Bhd	Land Use	Ongoing
8.	PEIA for the 300MW Gas-Fired Combined Cycle Power Plant Project at POIC Lahad Datu Phase 3, Sabah	Eastern Sabah Power Consortium Sdn Bhd	Land Use and Framework EMP	Ongoing
9.	EIA for Proposed Establishment of Oil Palm Plantation (OPP) within Desa Tea Sdn Bhd Area, District of Ranau, Sabah	Desa Tea Sdn Bhd	Land Use	Ongoing
10.	EIA for the Proposed Quarry Activities for Jesselton Hills Development at Menggatal, Kota Kinabalu, Sabah	Hap Seng Building Materials Sdn Bhd	Land Use	Ongoing
11.	EIA for Proposed Oil Palm Plantation (OPP) in Lot 5, Bonggaya Forest Reserve, Sabah	Satria Eramaju Sdn Bhd	Land Use	Ongoing
12.	EIA for Proposed Oil Palm Plantation (OPP) in Lot 4, Bonggaya Forest Reserve, Sabah	Aspirasi Kristal (M) Sdn Bhd	Land Use	Ongoing
13.	EIA for Proposed Karambunai Integrated Resort City (Phase 1), Golf Course and Waterfront Community On CL.045091174 at Karambunai, Menggatal, Kota Kinabalu, Sabah	Karambunai Resorts Sdn Bhd	Land Use	Ongoing
14.	SEIA for the Proposed Dam Upstream of Cinta Mata Treatment Plant, Tawau, Sabah	Jurutera Perunding Campo Sdn Bhd	Land Use, Environmental Management and Technical Review	Ongoing
15.	EIA for Earthwork Activities for the Construction of a Secure Landfill Within SFI Complex, Sipitang District, Sabah	Sabah Forest Industries Sdn Bhd	Land Use	Ongoing
16.	EIA for "Projek Jalan Luar Bandar (JALB) Negeri Sabah – Jalan Montenor–Hologilat, Beaufort, Sabah"	Kementerian Kemajuan Luar Bandar Dan Wilayah	Land Use	Ongoing
17.	EIA for the Proposed New Road From Kg. Kapitangan to Kg. Dogoton at Pulau Banggi, District of Kudat, Sabah	Perunding Shahelmey & Rakan-Rakan Sdn Bhd	Land Use	Ongoing
18.	EIA for Proposed Up-gradation of Terminal Building Facilities and Ferry Landing Jetty at Menumbok, Sabah	Pemborong Sinar Maju	Land Use	June 2012
19.	PEIA and QRA for Proposed Oil Waste Recycling Plant at Innatech Waste Management (L) Sdn Bhd, Asian Supply Base, Labuan	Innatech Waste Management (L) Sdn Bhd	Technical Review and General Environmental Management	May 2012



No	Project Title and Location	Client	Task	Year
20.	EIA for the Proposed Condominium Development on L2723 & L015395196 Mile 3½, Off Jalan Tuaran, Kota Kinabalu	Country View Development Sdn Bhd	Land Use	May 2012
21.	EIA for the Proposed River Sand Mining on Lot CL.2400, Kg. Melulugus, Beaufort, Sabah	Fung Kim Soo	Land Use	May 2012
22.	EIA for “Cadangan Pembinaan Terminal Bas Bersepadu Batu 3½, Jalan Lintas Utara, Sandakan, Sabah”	Majlis Perbandaran Sandakan	Land Use	April 2012
23.	EIA for the Proposed Resort Hotel and Resort Real Estate in Dalit Bay, Tuaran, Kota Kinabalu, Sabah	Tekun Cemerlang Sdn Bhd	Land Use	March 2012
24.	EIA for Replanting of Oil Palm Plantations at Gugusan Sahabat (Dent Peninsular) Lahad Datu for Felda Wilayah Sahabat, Sabah	FELDA (Lembaga Kemajuan Tanah Persekutuan)	Land Use	January 2012
25.	EIA for “Cadangan Pembinaan Kediaman Koums Asrama UMS di Atas Tanah Lot NT.013087459 & NT.013087440 di Kg. Numbak, Kuala Menggatal, Kota Kinabalu”	Likas Bay Precint Sdn Bhd	Land Use	December 2011
26.	EIA for Proposed Condominium Development on Lot 1465, 015395203 & 015358899 at Mile 3 ½, Tuaran Road, Kota Kinabalu (with Subsidiary Strata Titles to be Applied For)	Setiajati Development Sdn Bhd	Land Use	November 2011
27.	EIA for Replanting of Oil Palm Plantations at Ladang Sg. Tenegang and Ladang Sg. Koyah, District of Kinabatangan, Sabah	THP Sabaco Sdn Bhd	Land Use	November 2011
28.	EIA for the Proposed Quarry Operation on CL075211344, Mile 16, Sandakan, Sabah	Chin Yun Quarry Sdn Bhd	Land Use	November 2011
29.	EIA for Proposed River Sand Dredging on PT.20-10080872 at Sg. Klagan, Beluran, Sabah	Hidayah Mewah Sdn Bhd	Land Use	September 2011
30.	EIA for Replanting of Oil Palm Plantations at Desa Talisai Estates, Mile 54, Jalan Sandakan–Telupid	IJM Plantations Berhad	Land Use	August 2011
31.	EIA and Social Responsibility (SR) Scoping for Belud Field Development	HESS (Malaysia-SB302) Limited	EIA Consultant	August 2011
32.	EIA for Proposed River Sand Dredging on PT.20-06040448 at Kg. Kosusu/Kionsom, Topokon, Tuaran, Sabah	Dynamic Visa Sdn Bhd	Land Use	August 2011
33.	EIA for the Proposed Development on CL.175331012 at Kg. Binsulok, Beaufort, Sabah	Visage Evergreen Sdn Bhd	Land Use	August 2011
34.	EIA for the Proposed Quarry Operation on CL 085311146 at Ulu Sapa Paya, Sandakan	Perfect Oil Resources (Sabah) Sdn Bhd	Land Use	July 2011
35.	Social and Environmental Impact Assessment (SEIA) for the Proposed Oil Palm Plantation at Genting Permai Estate, Tongod, Sabah	Genting Plantations Berhad	Land Use	June 2011
36.	EIA for the Proposed River Sand Mining On PT20-04021090 at Kg. Manggis, Papar, Sabah	Syarikat Tenom Quarry	Land Use	June 2011
37.	EIA for the Proposed Development on CL.175330980 and CL.175320957 at Kg. Binsulok, Beaufort, Sabah	Amity Estates Sdn Bhd	Land Use	May 2011



No	Project Title and Location	Client	Task	Year
38.	EIA for Replanting of Oil Palm Plantations at Gugusan Umas (Brantian) Tawau for Felda Wilayah Sahabat, Sabah	FELDA (Lembaga Kemajuan Tanah Persekutuan)	Land Use	April 2011
39.	EIA for "Cadangan Membina Jeti Kargo di Timbang Dayang, Pulau Banggi, Daerah Kudat, Sabah"	Perunding Shahelmey dan Rakan-Rakan Sdn Bhd / Felcra Berhad	Land Use	April 2011
40.	EIA for the Whole Kukusan Quarry at Tawau, Sabah	Hap Seng Building Materials Sdn Bhd	Land Use	March 2011
41.	EIA for the Proposed Puncak Menggatal Development (9.974 acres) at Menggatal, Sabah	Chang Cheng Realty Sdn Bhd	Land Use	February 2011
42.	PEIA & QRA for the Proposed Scheduled Waste Treatment and Storage Facility at Ranca-Ranca Industrial Area, Labuan	Beyond Status Sdn Bhd	Technical Review and General Environmental Management	January 2011
43.	EIA for the Proposed Jesselton Hill Development at Menggatal, Sabah	Hap Seng Land Development (Jesselton Hill) Sdn Bhd	Land Use	January 2011
44.	EIA for Proposed "Pembinaan Taman Rekreasi Offshore (Padang Golf) Di Kiamsam, Wilayah Persekutuan Labuan"	Saujana Scape & Greens Sdn Bhd	Technical Review and General Environmental Management	December 2010
45.	PEIA for the Proposed Mobile Incinerator at Institut Penyelidikan Bioteknologi (IPB)	Ekovest Construction Sdn Bhd	Project Coordinator, Environmental Management, Land Use & Pollution Control	December 2010
46.	EIA for "Cadangan Pembinaan Pejabat Daerah Agensi Penguatkuasaan Maritim Malaysia di Sandakan, Sabah"	Apex Builders Sdn Bhd	Land Use	December 2010
47.	DEIA for the Proposed Waste Incinerator Plant at Sabah	Faber Medi-Serve Sdn Bhd	Team Leader, Technical Review and Noise Pollution	December 2010
48.	EIA for the Proposed Quarry Operation on CL.215305623 and Overburden Disposal on NT.213093513 & NT.213100479, Kg. Madziang, Penampang, Sabah	Hap Seng Building Materials Sdn Bhd	Land Use	December 2010
49.	SEIA for the Proposed Upper Padas Hydro Electric Project	Sabah Electricity Sdn Bhd	Project Coordinator and Land Uses Assessment	June 2010
50.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Suan Lamba)	Land Use	June 2010



No	Project Title and Location	Client	Task	Year
51.	EIA for the Earthwork Activities for the Project "Cadangan Membina dan Menyiapkan Kem Program Latihan Khidmat Negara di Mesapol, Sipitang, Sabah untuk Kegunaan Kementerian Pertahanan Malaysia"	Afie Enterprise Sdn Bhd	Land Use	May 2010
52.	EIA for the Existing Quarry Operation in Beaufort, Sabah	San Min Quarry Sdn Bhd	Land Use	May 2010
53.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Sekong)	Land Use	May 2010
54.	EIA for Proposed 148 Units of 14-Storey High-End Condominium on CL.015101461 at Jalan Bantayan, Kota Kinabalu	Sara-Timur Realty Sdn Bhd	Land Use	April 2010
55.	EIA for the New Sabah Oil and Gas Terminal (SOGT) Layout in Kimanis Bay, Papar District, Sabah	Petronas Carigali Sdn Bhd	Land Use	January 2010
56.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Sabapalm)	Land Use	December 2009
57.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Tanjung)	Land Use	December 2009
58.	EIA for "Projek Naiktaraf Jalan Pukak-Mantob, Kiulu, Tuaran, Sabah"	Jabatan Kerja Raya (JKR)	Land Use	November 2009
59.	Provision of Drilling Environmental Study at Block N, Offshore of Sabah	BHP Billiton Petroleum (Sabah) Corporation	Technical Review	October 2009
60.	EIA for "Cadangan Membina dan Menyiapkan Sekolah Menengah Kebangsaan Agama Datu Mustapha yang Mengandungi 30 Bilik Darjah dan Kemudahan Berkaitan di Daerah Papar, Sabah"	Kementerian Pelajaran Malaysia	Land Use	October 2009
61.	EIA for the Proposed Condominium Development on CL.0150005991 at Jalan Bukit Bendera, Kota Kinabalu, Sabah (With Strata To Be Applied For)	Laserplus Sdn Bhd	Land Use	October 2009
62.	EIA for "Projek Cadangan Pembinaan Kompleks Sukan Sipitang, Sabah"	Lembaga Sukan Negeri Sabah	Land Use	July 2009
63.	EIA for Proposed Quarry Operation on CL.125318354 at Bukit Siagil, Semporna, Sabah	Albida Plantation Sdn Bhd	Land Use	July 2009
64.	EIA and Quantitative Risk Assessment (QRA) for the Proposed Kimanis Power Project at Kimanis, Sabah	Petronas Gas Berhad	Technical Review and General Environmental Management	July 2009
65.	EIA for the Proposed Industrial Tree Planting (ITP) in Kota Marudu/Pitas Districts, Sabah	Asian Forestry Company Sdn Bhd	Land Use	May 2009
66.	EIA for "Aktiviti Kerja-Kerja Tanah dan Pembinaan Sekolah Sukan Sabah dan Kemudahan Berkaitan untuk Kementerian Pelajaran Malaysia"	B.H.O. Sdn Bhd	Land Use	May 2009



No	Project Title and Location	Client	Task	Year
67.	EIA for "Cadangan Projek Pembangunan KD Sri Sandakan Fasa 3, Sandakan, Sabah"	Juang Jaya Sdn Bhd	Land Use	May 2009
68.	EIA for Site Preparation Works for the Proposed Kimanis Power Project at Kimanis Bay, District of Papar, Sabah	Petronas Gas Berhad	Land Use	April 2009
69.	EIA for Proposed Earthworks at IZ7 Phase 2, IZ8, IZ9 and Parts of CZ2 at Kota Kinabalu Industrial Park (KKIP), Tuaran District, Sabah	KKIP Sdn Bhd	Land Use	March 2009
70.	EIA for the Existing Teluk Sepangar Quarry at Kilometre 4, Jalan Teluk Sepangar, Sabah	Teluk Sepangar Quarry Sdn Bhd	Environmental Management and Technical Review	March 2009
71.	EIA for the Proposed Sand Dredging on NT.043166909, NT.043078691, NT.043166892, NT.04316688 and NT.043104909 at Sg. Tuaran, Tuaran District, Sabah	Juta Segi Sdn Bhd	Land Use	February 2009
72.	EIA for "Cadangan Pembinaan dan Menyiapkan PPMS (Program Penempatan Masyarakat Setempat) di Pulau Banggi, Daerah Kudat, Sabah"	Felcra Berhad	Environmental Management and Technical Review	January 2009
73.	PEIA for the Proposed Organic Wastes Bio-recovery Plant on NT 9180 and NT 9322 in Kimanis, Papar District, Sabah	AGSB Bio-Recovery (M) Sdn Bhd	Project Coordinator, Environmental Management, Land Use and Pollution Control	December 2008
74.	EIA for the Proposed Biomass Fired Combined Heat & Power Plant Project at POIC Phase II, Lahad Datu, Sabah	Eco Biomass Power Sdn Bhd	Environmental Management	November 2008
75.	EIA for the Proposed 132 Units Terrace Houses on CL.025362547 at Kinarut South, Papar, Sabah	LPPB	Environmental Management and Technical Review	November 2008
76.	EIA for the Proposed Residential Development on CL 16913 At Bukit Padang, Kota Kinabalu, Sabah	Saturn Development Sdn Bhd	Environmental Management and Technical Review	November 2008
77.	EIA for the Proposed Borrow Pit 5 (NT.213096906) for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Environmental Management and Technical Review	November 2008
78.	EIA for the Aggregate Quarry Operation at Bukit Benoni, Papar, Sabah	Hap Seng Building Materials Sdn Bhd	Human Environment and Technical Review	November 2008
79.	EIA for Proposed 4-Storey Hotel (106-Rooms) and 2-Block 4-Storey Condotels (144-Units) with Strata Titles to be Applied on NT.1410 & NT.1411 at Jalan Tamparuli-Ranau, Kundasang, District of Ranau, Sabah	Kinsabina Sdn Bhd	Environmental Management	October 2008



No	Project Title and Location	Client	Task	Year
80.	DEIA for the Proposed SFI Pulp and Paper Mill Expansion at SFI Complex, Sipitang District, Sabah	Sabah Forest Industries Sdn Bhd	Environmental Management and Technical Review	October 2008
81.	EIA for the Proposed Oil Palm Plantation (OPP) On Lot 2 (10,000 Hectares), Labuk and Sugut District, Sabah	Kelola Maju Sdn Bhd	Land Use, Environmental Management and Technical Review	September 2008
82.	EIA for Replanting of Oil Palm Plantation at Baturong 1 Estate (2,822 Ha), Lahad Datu, Sabah	IOI Corporation Berhad	Land Use	August 2008
83.	EIA for "Cadangan Menaiktaraf, Membina & Menyiapkan Institut Pendidikan Guru (IPG) Kent, Tuaran, Sabah"	PSM Supplier Sdn Bhd	Environmental Management and Technical Review	August 2008
84.	PEIA for the Proposed Waste Oil Recovery Plant at Lot 13042 Along Jalan Tuaran-Kota Belud, Sabah.	Cahajasa Sdn Bhd	General Environmental Management and Technical Review	July 2008
85.	EIA for the Proposed Oil Palm Plantation at Sg. Semawang, Sandakan District, Sabah	Metro Tulus Sdn Bhd	Environmental Management and Technical Review	July 2008
86.	EIA for the Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110KM) – Pakej 2 (Marak Parak-Togop (30KM)	Jabatan Kerja Raya, KK	Technical Review and Land Use	June 2008
87.	EIA for the Proposed Multi-Storey Office Cum Commercial Complex and Hotel Apartment for LPPB On CL 017547161 & CL 01546918 At Jalan Istana, Kota Kinabalu, Sabah	Benteng Pulangan Sdn Bhd	Environmental Management and Technical Review	May 2008
88.	EIA for Cadangan Pembinaan Kolej Kesihatan Fasa II, Bukit Padang, Sabah Secara Rundingan Terus 'Design & Build'	Empangan Emas Sdn Bhd	Environmental Management and Technical Review	April 2008
89.	EIA for Proposed Land Disposal Area for Sabah Oil and Gas Terminal (SOGT) Project at Kimanis Bay, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Environmental Management and Technical Review	March 2008
90.	EIA for the Proposed 12 Units Chalets and Hanging Bridge (Future 12 Units VIP Chalets & Multi Purpose Hall) On CL 065313662 At Kundasang, Ranau, Sabah	Perkasa Hotel Holdings Sdn Bhd	Environmental Management and Technical Review	January 2008
91.	EIA for the Proposed Resort Development Consisting Reception Complex, Spa Village, 37 Units of hill Villas and 25 Units Mangrove Villas at Malohom Bay, Pulau Gaya, Sabah	Magna Boundary Sdn Bhd	Environmental Management	January 2008
92.	EIA for the Proposed Causeway-Bridge Linking Mainland to Pulau Udar Kecil at Sepangar Bay, Kota Kinabalu, Sabah	Trans Resources Corporation Sdn Bhd	Environmental Management and Technical Review	January 2008



No	Project Title and Location	Client	Task	Year
93.	EIA for Proposed Pig Farming Area (PFA) at Telupid, Sabah	Department of Veterinary Services and Animal Industry	Project Coordinator and Environmental Management	December 2007
94.	EIA for Proposed Earth Disposal at Industrial Zone 8 (IZ8) Phase 2 at Kota Kinabalu Industrial Park (KKIP), Tuaran District, Sabah	KKIP Sdn Bhd	Environmental Management and Technical Review	November 2007
95.	EIA for the Proposed Commercial and Housing Development on CL.025319401 Kinarut South, Level 2, Centre Papar, Sabah	Lembaga Pembangunan Perumahan Dan Bandar	Environmental Management and Technical Review	November 2007
96.	EIA for Proposed Mixed Development Consisting of 1 Block of 27 Storeys Condominium, 2 Blocks of 18 Storeys Condominium, 1 Block of 29 Storeys Hotel & Service Apartments with 8 Units Retail Space & 3 Levels of Carparking Facilities at Lower Ground on Title No. 017544366, Lot 2 (017546495) & Lot 3 (017546486) (with Subsidiary Strata Title to be Applied For) at Tanjung Lipat, Kota Kinabalu, Sabah, Malaysia	South-East Best Sdn Bhd	Environmental Management and Technical Review	October 2007
97.	EIA for the Proposed Crushing Activities at Bandar Sierra Development Site, Menggatal, Sabah	Ready Impact Sdn Bhd	Environmental Management and Technical Review	October 2007
98.	EIA for the Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110km) – Pakej 1 (Kota Marudu-Marak Parak 30km)	Jabatan Kerja Raya, KK	Technical Review and Land Use	October 2007
99.	EIA for the Proposed Land Disposal Area for Sabah Oil & Gas Terminal (SOGT) Project at Kimanis Bay, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Environmental Management and Technical Review	September 2007
100.	EIA for Projek Cadangan Pembinaan Kompleks Sukan Ranau Di Atas Lot No. 06124204 dan 06125995, Kampung Lohan Ulu, Ranau, Sabah	Nadi Communication Sdn Bhd	Environmental Management and Technical Review	September 2007
101.	EIA for the Proposed Borrow Pit for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Environmental Management and Technical Review	September 2007
102.	EIA for the Proposed Sand Borrow Area for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Environmental Management and Technical Review	September 2007
103.	EIA for Proposed Upgrading of Jalan Putatan-Kepayan and Proposed Flyover at Jalan Lintas and Jalan Mat Salleh Junction, Kota Kinabalu, Sabah	Global Upline Sdn Bhd	Environmental Management and Technical Review	August 2007
104.	EIA for the Proposed Sand Extraction at Sg. Kimanis, Papar, Sabah	Papar Maju Sdn Bhd	Environmental Management and Technical Review	August 2007



No	Project Title and Location	Client	Task	Year
105.	PEIA for the Proposed Biodiesel Facility at Lahad Datu (Phase 2) and Proposed Pipelines to Kwantas Jetty, Sabah	Global Bio-Diesel Sdn Bhd	Technical Review and Environmental Management	July 2007
106.	EIA for Proposed Earthworks for the Construction of Palm Oil Mill at CL095332648, Kg. Entilibon,, Tongod District, Sab	Kim Loong Sabah Mill Sdn Bhd	Land Use and Technical Review	June 2007
107.	EIA for Proposed Pit Quarry Development at Bukit Kukusan Quarry, Tawau, Sabah	Hap Seng Building Materials Sdn Bhd	Technical Review and Environmental Management	June 2007
108.	EIA for the Proposed Construction of Jalan Bokara–Batu Sapi–POIC Sandakan (Section 1), Sandakan, Sabah	SCHB Engineering Services Sdn Bhd	Technical Review and Environmental Management	June 2007
109.	EIA for Establishment of 25,000 ha of Acacia Mangium Plantation and 10,000 ha of Rubberwood Plantation under the 9th Malaysian Plan (2006-2010) in Kudat District, Sabah	Sabah Forestry Development Authority (SAFODA)	Technical Review and Environmental Management	May 2007
110.	EIA for the Proposed Earthworks for Mill Development on CL105523911, Sg. Silimponon, Kalabakan, Tawau District, Sabah	Syarikat Kretam Mill Sdn Bhd	Technical Review and Environmental Management	April 2007
111.	EIA for the Aggregate Quarry Operation at Bukit Giling Telipok, Sabah	Hap Seng Building Materials Sdn Bhd	Technical Review and Environmental Management	February 2007
112.	EIA for Proposed Housing Development on CL015372915 at Likas, Kota Kinabalu, Sabah	Kuala Medalam Sdn Bhd	Technical Review and Environmental Management	February 2007
113.	EIA for the Proposed 4 Storey Apartment Development on NT. 213160359, CL. 215073626 & CL. 215152882, Off Jalan Kasigui-Minitod, Bukit Padang, Penampang (Country Heights Apartments)	Eurotra Sdn Bhd	Technical Review and Environmental Management	January 2007
114.	EIA for the Construction of Proposed Sibuga-POIC (4.2KM), Sandakan, Sabah	SCHB Engineering Services Sdn Bhd	Technical Review and Environmental Management	January 2007
115.	EIA for the Proposed Quarry Operation On Trig Kukusan (Within Bukit Kukusan Quarry), Tawau, Sabah	Hap Seng (HS) Building Materials	Technical Review and Environmental Management	Jan 2007
116.	PEIA for Proposed Biodiesel and Glycerine Plant at POIC Industrial Site, Lahad Datu, Sabah	Zurex Corporation Sdn Bhd	Technical Review and Environmental Management	Jan 2007
117.	EIA for Earth Filing for the Proposed Low Cost Housing Development on CL 075144179, Mile 16, Gum Gum, Sandakan, Sabah	WBS Construction Sdn Bhd	Technical Review and Environmental Management	Jan 2007



No	Project Title and Location	Client	Task	Year
118.	EIA for Quarry Operation on CL 7370 and CL 2638, Penampang-Papar Road, Kawang, Papar, Sabah	Giant Quarry Sdn Bhd	Technical Review and Environmental Management	Nov 2006
119.	EIA for Proposed Palm Oil Industrial Cluster (POIC) Phase 2, Lahad Datu, Sabah	POIC Sabah Sdn Bhd	Technical Review and Environmental Management	Oct 2006
120.	PEIA for Proposed Biodiesel Facility at Lahad Datu, Sabah, Malaysia	Global Bio-Diesel Sdn Bhd	Technical Review and Environmental Management	Sept 2006
121.	EIA for Site Preparation Works for the Proposed Industrial Zone 7 (IZ7) Phase 1 at Kota Kinabalu Industrial Park (KKIP), Tuaran District, Sabah	KKIP Sdn Bhd	Technical Review and Environmental Management	Sept 2006
122.	EIA for Proposed Sandakan POIC, Sabah	Sandakan Bulkers Sdn Bhd	Technical Review and Environmental Management	Aug 2006
123.	PEIA for Proposed Biodiesel Plant at POIC Lahad Datu (Phase 1), Sabah	SPC Biodiesel Sdn Bhd	Technical Review and Environmental Management	July 2006
124.	EIA for the Proposed Upgrading of Jalan Sukau, Sandakan, Sabah.	Syarikat M. F. Maju Sdn Bhd	Technical Review and Environmental Management	Jun 2006
125.	EIA for Proposed Earthworks for Construction of 30 MT FFB/Hr Palm Oil Mill at CL 095330724, Asiatic Indah Estate, Tongod District, Sabah.	Asiatic Development Berhad	Technical Review and Environmental Management	May 2006
126.	EIA for Reassessment of Quarry Operation on NT 043121679, NT 043121688, NT 043121651, NT 043121633 and CL 045312776 at Kpg. Kebayau, Telipok, Sabah.	Capricom Resources Sdn Bhd	Technical Review and Environmental Management	April 2006
127.	EIA for the Proposed Pom Pom Island Resort Development, Semporna District, Sabah	CML Holdings Sdn Bhd	Technical Review and Environmental Management	Jan 2006
128.	EIA for the Reassessment of Kemajuan Pangi Quarry at Inanam, Sabah	Kemajuan Pangi Sdn Bhd (Circachaya)	Technical Review and Environmental Management	Jan 2006
129.	EIA for the Proposed 306 Acres of Agro-Tourism Development at Beaufort, Sabah	Lebih Raya Sdn Bhd	Technical Review and Environmental Management	Dec 2005
130.	EIA for the Proposed Bandar Sierra Mixed Development on CL 015414972 at Bukit Sierra, Off Mile 13.5, Jalan Tuaran, Menggatal, Kota Kinabalu, Sabah	Dapan Holdings Sdn Bhd	Technical Review & Environmental Management	Oct 2005



No	Project Title and Location	Client	Task	Year
131.	EIA for the Proposed Pig Farming Area at Telipok District, Sabah	Sabah Department of Veterinary Services and Animal Industry	Technical Review and Environmental Management	Oct 2005
132.	Proposed Mixed Development of Land CL 075477584 At Mile 5, Jalan Utara, Sandakan, Sabah	IJM Properties Sdn Bhd	Technical Review and Environmental Management	Oct 2005
133.	Environmental Impact Assessment for The Proposed Commercial and Residential Development On CL 015561878 and Joint Venture Land Parcel at Tg. Aru and Sembulan Urban Renewal Scheme at Jalan Pantai Baru, (Phase 1B), Kota Kinabalu, Sabah.	Paduan Hebat Sdn Bhd	Land Use	Sept 2005
134.	EIA studies for the Proposed Commercial Cum Residential Development on G.N. 247/16 at Jalan Sharif Osman, Kota Kinabalu, Sabah	Dual Quest Sdn Bhd	Technical Review	Sept 2005
135.	Environmental Impact Assessment for Proposed Dumping Ground Offshore of Labuan F.T. Malaysia	Labindo Engineering Services Sdn Bhd	Technical Review and Environmental Management	Sept 2005
136.	Proposed Bulking Installation at NT. 02312804 Sg. Lama, Kimanis, Papar, Sabah	Bonasaba Sdn Bhd	Technical Review and Environmental Management	Aug 2005
137.	Environmental Impact Assessment for Proposed Dredging Works of Seabed in the Vicinity of Asian Supply Base Sdn Bhd Jetty at Labuan F.T. Malaysia.	Labindo Engineering Services Sdn Bhd	Environmental Management and Technical Review	July 2005
138.	EIA For The Proposed Commercial Development on TL 017533505 at Coastal Highway, Kota Kinabalu, Sabah.	Syarikat Kapasi Sdn Bhd	Project Coordinator, Land Use & Environment Management	July 2005
139.	SEIA For Proposed Oil Palm Plantation (OPP) and Industrial Tree Plantation (ITP) Development At Benta Wawasan I And Benta Wawasan IIC, Yayasan Sabah Forest Management Area, Kalabakan And Gunung Rara Forest Reserves, Tawau District, Sabah.	Benta Wawasan Sdn Bhd	Project Coordinator and Land Use	May 2005
140.	Environmental Impact Assessment for Proposed Crushing Activities to Supply Aggregates for the Mixed Development at Bandar Sierra, Menggatal, Sabah.	Hypervictory Sdn Bhd	Technical Review and Environmental Management	April 2005
141.	Environmental Impact Assessment for Housing Development on PL. 17440, Kpg. Pasir Putih, District of Ranau, Sabah.	Meribina Sdn Bhd	Technical Review and Environmental Management	March 2005
142.	Environmental Impact Assessment for Proposed Commercial Development on TL 017540500 and Corporate Office on NT 017533505 Coastal Highway, Kota Kinabalu, Sabah.	Syarikat Kapasi Sdn Bhd	Technical Review and Land Use	February 2005



No	Project Title and Location	Client	Task	Year
143.	Environmental Impact Assessment for Proposed 1 Borneo Development at Sepanggar Bay Road, Near Kampung Pulau Penampang Reserve, Suang Parai, District of Kota Kinabalu, Sabah.	Sagajuta (Sabah) Sdn Bhd	Waste Management, Traffic, Infrastructure and Utilities	February 2005
144.	Environmental Impact Assessment for Proposed Mixed Development on CL 115412149, Mile 3, Jalan Tengah Nipah, Lahad Datu District, Sabah	Layong Industries Sdn Bhd	Waste Management, Traffic, Infrastructure and Utilities	January 2005
145.	Environmental Impact Assessment for Proposed River Sand Extraction at Sg. Tuaran, Kpg. Simpangan, Tuaran District, Sabah.	CPSB Stone Quarry Sdn Bhd	Waste Management, Traffic, Infrastructure and Utilities	January 2005
146.	Environmental Impact Assessment for Proposed 2-Storey Shop/Offices on TL 197501367 at Sipitang Town, Sipitang, Sabah.	Cabaran Lega Sdn Bhd	Waste Management, Traffic, Infrastructure and Utilities	October 2004
147.	EIA for Proposed Small Hydroelectric Scheme at Sg. Mokodou, District of Ranau, Sabah.	AMDB Berhad-WHSB Property Development Sdn Bhd	Waste Management, Traffic, Infrastructure and Utilities	October 2004
148.	Environmental Impact Assessment for Development of Sabah INTAN (Institut Tadbiran Awam Negara) Campus at KKIP, Tuaran District, Sabah.	Jabatan Pembangunan Persekutuan Sabah.	Project Coordinator and Land Use	September 2004
149.	Environmental Impact Assessment for Proposed Agro forestry Plantation Development on YT1/02, YT2/03 and YT4/04 at Luasong, Tawau District, Sabah.	Rakyat Berjaya Sdn Bhd	Project Coordinator and Land Use	September 2004
150.	Proposed Integrated Commercial and Residential Development on CL 015561878 & Joint Venture Land Parcel at Tg. Aru and Sembulan Urban Renewal Scheme at Jalan Pantai Baru (Phase 1), Kota Kinabalu, Sabah.	Paduan Hebat Sdn Bhd	Land Use	July 2004
151.	Sugud Islands Marine Conservation Area (SIMCA): Pulau Lankayan, Pulau Billean and Pulau Tegaipil, Labuk-Sugud District, Sandakan, Sabah.	Reef Guardian Sdn Bhd	Project Coordinator & Land Use	July 2004
152.	Proposed Singgah Mata Development project on TL 017546940, TL 017544713, TL 017544642, TL 017544651 and TL 017544660 At Kampung Air, Kota Kinabalu, Sabah.	A.C. Property Development Sdn Bhd	Land Use	June 2004
153.	Environmental Impact Assessment Studies For Proposed 210 Units 2-Storey Low Cost Terrace Houses Phase 1 on CL065325064 at Tanah Merah, Ranau, Sabah.	LPPB	Project Coordinator and Land Use	June 2004



No	Project Title and Location	Client	Task	Year
154.	EIA for Existing Quarry Operation on PL 10629169015 and PL 106291178 at Mile 5, Jalan Sin On, Districts of Tawau, Sabah.	Onika Quarry Sdn Bhd	Project Coordinator, Land Use, Infrastructure and Utilities	May 2004
155.	Environmental Impact Assessment for the Proposed Sandstone Quarry Operation On PL 016197809 and PL 016199660 at Kpg. Tampulan, Telipok, Sabah.	Info Chain Sdn Bhd	Project Coordinator and Land Use	May 2004
156.	EIA for the Proposed Upgrading, Construction and Completion of Coastal Road from Kpg. Selamat to Kpg. Mentelip, Semporna, Sabah.	Utusan Seni Sdn Bhd	Project Coordinator and Land Use	March 2004
157.	The Existing Quarry Operation On Lot 015346353 and Other at Kpg. Kironggo, Inanam, Sabah.	Thien Guan Quarry Sdn Bhd	Land Use, Infrastructure & Utilities	March 2004
158.	The Proposed Oil Palm Plantation on CL 095325714 at Tenegang, Districts of Kinabatangan, Sabah.	Tey Ah Bu Plantation Sdn Bhd	Land Use	February 2004
159.	Proposed Quarry Operation on NT043142212, NT043142203, NT043136447, NT043142196, NT043129924, NT043191082, NT043134112, and NT043142221 At Kpg. Tampulan, Telipok, Sabah.	Bayu Kinabalu Sdn Bhd	Project Coordinator and Land Use	February 2004
160.	EIA For proposed Logging Activities at PT. 79065626-5646 and PT 79065296-5602, Togop Darat, District of Ranau, Sabah.	Sabaha Sdn Bhd	Project Coordinator	2003
161.	Environmental Impact Assessment for Sand Extraction from PL 1962990472, Sg. Lukutan, Melalia, Sipitang, Sabah.	Yeogison Enterprise	Project Coordinator	December 2003
162.	Proposed Forest Harvesting Within Luasong Project Area (Block YT2/03) At Kalabakan Forest Reserve, Tawau Districts, Sabah.	Rakyat Berjaya Sdn Bhd	Project Coordinator and Land Use	October 2003
163.	EIA for Proposed Mixed Development on PL. 15196, PL 16225 and L 10375, Kpg. Layung, Jalan Tengah Nipah, Lahad Datu, Sabah.	Metro Image Sdn Bhd	Project Coordinator	August 2003
164.	EIA For Proposed Sand Extraction and Processing On PL 11261 At Kpg. Manggis/Kogopon/Kaiduan, Papar District, Sabah.	Pemborong Sinar Maju	Project Coordinator and Land Use	August 2003
165.	EIA For The Proposed New Seawall and 9 Units Single Storey Shop At Jalan Pasar, Kudat, Sabah.	Nada Saga Sdn Bhd	Project Coordinator and Land Use	February 2003
166.	EIA For Proposed Fruit Orchard On Lot 4448, Sibuti Land District and Lots 3936 & 3935, Lambir Land District, Miri Division, Sarawak.	Tung Cheong Sawmill Sdn Bhd	Assistant Project Coordinator, Infrastructure and Utilities	February 2003
167.	EIA Proposed Housing Development On NT 023191559 And 20 Others At Kuala Kinarut (Palm Beach Villa), District of Papar, Sabah	Herowang Sdn Bhd	Project Coordinator and Land Use	January 2003
168.	EIA For Proposed Construction and Completion of the New Lutong-Kuala Baram Road, Miri Division, Sarawak.	Pastiya Sdn Bhd	Assistant Project Coordinator, Infrastructure and Utilities	November 2002



No	Project Title and Location	Client	Task	Year
169.	Proposed Marine Sand Borrow Area Offshore of Sabah.	Muhibbah – LTAT	Project Coordinator and Land Use	June 2002
170.	EIA For Crushing Activities at Sepangar, Tuaran District, Sabah.	DPBS Sg. Long Sdn Bhd	Project Coordinator and Land Use	July 2002
171.	Kudat Resort Development On TL 057505745, Kudat District, Sabah	Tangamahir Sdn Bhd	Project Coordinator and Land Use	August 2002
172.	Proposed Sand Extraction At Sungai Bandau, Pekan Lama, Kota Kinabalu, Sabah.	Madu Kota Enterprise	Project Coordinator and Land Use	May 2002
173.	Proposed River Stone Extraction At LA 88172739 and Processing At Existing, Kpg. Montenor, Beaufort.	San Min Quarry Sdn Bhd	Project Coordinator and Land Use	May 2002
174.	Proposed Sea Sand Borrow Area Off Pantai Dalit, Tuaran Sabah.	Muhibbah	Project Coordinator and Land Use	March 2002
175.	Proposed 4-Storey Walk-up Medium Low Cost, 5-Storey Walk Up Low Cost And 2 Storey Shoplots on Title No. CL045327384, CL045327393, CL045327400, CL045327419, CL045327428, CL045327437, CL045327446 and CL0453322401, NT043227498, NT043227514 and NT043227523 at Tuaran, Sabah.	PMKK Konsult	Land Use and Utilities	November 2001
176.	Proposed Prawn Farming At Sg. Samawang, Sandakan District, Sabah.	Metro Tulus Sdn Bhd	Project Coordinator and Land Use	May 2002
177.	Sand and Earth Removal at Kg. Kabang/Kampung Purak, Papar, Sabah.	Wai Kong Trading	Project Coordinator and Land Use	December 2001
178.	Environment Impact Assessment For The Proposed Sand Dredging At Kg. Dungang, Sg. Tuaran, Tuaran district, Sabah.	Bonamax Corporation Sdn Bhd	Land Use	November 2001
179.	Proposed Quarry On CL 235311510, Kampung Salimpodon Darat, Pitas, Kudat Division, Sabah.	Lo Kui Foh	Project Coordinator and Land Use	September 2001
180.	Sand Extraction At Kampung Kabang, Papar, Sabah.	Syt. Sah Lim sand	Project Coordinator and Land Use	September 2001
181.	Proposed Melinsung Summer Bay Resort Apartments, Jln. Kinarut-Papar, Sabah.	Eurotra Sdn Bhd	Project Coordinator	July 2001

Selected Environmental Management Plan (EMP)

No	Project Title and Location	Client	Task	Year
1.	EMP for Rugading Power Station	Ranhill Power II O&M Sdn Bhd	Technical Review & Environmental Management	Ongoing



No	Project Title and Location	Client	Task	Year
2.	EMP for Proposed Clinical Waste Thermal Treatment Facility in Sabah	Faber Medi-Serve Sdn Bhd	Technical Review & Environmental Management	Ongoing
3.	EMP for Proposed Construction of Administration Building Complex and Facilities for Sabah Oil & Gas Terminal Project	Projek Cepak (M) Sdn Bhd	Technical Review & Environmental Management	August 2011
4.	EMP for the Proposed Small Scale Incinerator in Biotechnology Institute within UMS Complex	Chase Perdana Sdn Bhd	Technical Review & Environmental Management	August 2011
5.	EMP for Proposed "Pembinaan Taman Rekreasi Offshore (Padang Golf) Di Kiamas, Wilayah Persekutuan Labuan"	Saujana Scape & Greens Sdn Bhd	Technical Review & Environmental Management	April 2011
6.	EMP for "Cadangan Pembinaan Kolej Komuniti Beaufort, Sabah (Secara Design & Build)"	B.H.O. Sdn Bhd	Technical Review & Environmental Management	March 2011
7.	EMP for Proposed SFI Pulp and Paper Mill Expansion at SFI Complex, Sipitang District, Sabah	Sabah Forest Industries Sdn Bhd	Technical Review & Environmental Management	March 2011
8.	EMP for the Proposed Construction of Permanent Reinforced Concrete Bridge across Sg. Sitompok at Kuala Penyu, Sabah	Zhong Tie Jian Second Branch Sdn Bhd	Technical Review & Environmental Management	December 2010
9.	EMP for "Cadangan Membina dan Menyiapkan Politeknik Sandakan, Sabah – Kerja Bangunan dan Infrastruktur (Pakej 1B)"	Kurnia Tunggal Sdn Bhd	Technical Review & Environmental Management	December 2010
10.	EMP for the Proposed Gumusut – Kakap Oil Export Pipeline to Sabah Oil & Gas Terminal (SOGT) in Kimanis, Sabah	Sabah Shell Petroleum Company Limited (SSPC)	Technical Review & Environmental Management	July 2009
11.	EMP for Proposed Biodiesel Facility at POIC Lahad Datu, Sabah	Zurex Corporation Sdn Bhd	Technical Review & Environmental Management	June 2009
12.	EMP for the Proposed Tamparuli Town Sewerage Scheme at Tuaran District, Sabah (Design & Build)	Winamewah Sdn Bhd	Technical Review & Environmental Management	November 2008
13.	EMP for Project "Merekebetuk, Membina, Menguji dan Mentauliah bagi Kerja-Kerja Bangunan (Fasa 2B) Universiti Malaysia Sabah, Kota Kinabalu Sabah – Pusat Multimedia & Institut Penyelidikan Bioteknologi"	Ekovest Construction Sdn Bhd	Technical Review & Environmental Management	July 2008



No	Project Title and Location	Client	Task	Year
14.	EMP for the Proposed Integrated Pulp and Paper Mill at KM56, Tawau-Kunak Road, Tawau, Sabah	Eko Pulp & Paper Sdn Bhd	Technical Review & Environmental Management	April 2008
15.	EMP for the design, construction, completion, testing and commissioning of submarine base for Royal Malaysian Navy at Sapangar Bay, Kota Kinabalu, Sabah	Trans Resources Corporation Sdn Bhd	Technical Review & Environmental Management	July 2007
16.	EMP for the Redevelopment of Kota Kinabalu International Airport (KKIA) – Package 2, Kota Kinabalu, Sabah	Global Upline Sdn Bhd	Technical Review & Environmental Management	April 2007
17.	EMP for the Proposed Biodiesel Facility at POIC Lahad Datu, Sabah	Global Bio-Diesel Sdn Bhd	Technical Review & Environmental Management	March 2007
18.	EMP for Proposed Biodiesel Plant at POIC Lahad Datu (Phase 1), Sabah	SPC Biodiesel Sdn Bhd	Technical Review & Environmental Management	December 2006
19.	Redevelopment of Kota Kinabalu International Airport (KKIA), Sabah	WCT Construction Sdn Bhd	Project Coordinator	September 2006
20.	Construction and Completion for an Extension of the Existing External Access Road to the Royal Malaysian Naval Base at Teluk Sepangar, Kota Kinabalu, Sabah	Muhibbah – LTAT JV	Project Coordinator & Environmental Management	Dec 2005
21.	Proposed Dredging Area and Offshore Dumping Ground for Proposed Dredging Works of Seabed in the Vicinity of Asian Supply Base Sdn Bhd Jetty at Labuan Federal Territory, Malaysia	Labindo Engineering Services Sdn Bhd	Technical Review & Environmental Management	Nov 2005
22.	Proposed Construction and Completion of Jalan Nangoh to Kanibungan (Phase 2), Districts of Beluran and Pitas, Sabah.	U.F. Engineers Sdn Bhd	Project Coordinator and Environmental Management	August 2003
23.	Proposed Construction & Commissioning of Petronas Dagangan Berhad (PDB) Bulk Depot At Sandakan, Sabah	Montis Sdn Bhd	Project Coordinator and Environmental Management	May 2003
24.	Proposed Construction & Completion of Universiti Malaysia Sabah (Phase 2), Kota Kinabalu, Sabah, Malaysia	Chase Perdana Bhd	Project Coordinator	June 2003
25.	Proposed Royal Malaysian Naval Base At Teluk Sapangar, Sabah, Malaysia (Design, Construction, Completion, Commissioning, Equipping And Maintenance)	Muhibbah-LTAT JV	Project Coordinator and Land Use	July 2002

Selected Environmental Management Compliance Plan (EMCP)

No	Project Title and Location	Client	Task	Year
1.	Proposed Lake Dredging Works (Phase 1B) At Putrajaya Federal Government Administration Centre (PPPJ), Malaysia	Muhibbah Engineering (M) Bhd	Project Coordinator and Environmental Management	May 2003



Selected Environmental Impact Statements (EIS)

No	Project Title and Location	Client	Task	Year
1.	Laporan PAT / Preliminary Site Assessment (PSA) for the Development of Geothermal Power Plant Under Small Renewable Energy Program (SREP) in Tawau, Sabah	Tawau Green Energy Sdn Bhd	Technical Review and Environmental Management	Ongoing
2.	Laporan Penilaian Awal Tapak (PAT) / Preliminary Site Assessment (PSA) for the Proposed Bulking Installation Facility at Sawit POIC Phase 1, Sandakan, Sabah	Veetar Edible Oil Sdn Bhd	Technical Review and Environmental Management	September 2011
3.	Preliminary Site Assessment (PSA) for Proposed Palm Oil Mill in Ladang BHO, Kg Nukahan, Beaufort District, Sabah	Konsultant Proses Sdn Bhd	Technical Review and Environmental Management	July 2011
4.	Preliminary Site Assessment (PSA) for the Proposed Palm Oil Mill on CL.085331022 at Paitan, Pitas District, Sabah	Prolific Yield Sdn Bhd	Technical Review and Environmental Management	June 2011
5.	Preliminary Site Assessment (PSA) for the Proposed 20MW Biomass Based Power Plants in Kinabatangan (Site 1)	Sandakan Bioenergy Sdn Bhd	Technical Review and Environmental Management	December 2010
6.	Preliminary Site Assessment (PSA) for the Proposed Palm Oil Mill at Jalan Kalabakan, Tawau	Serijaya Industri Sdn Bhd	Technical Review and Environmental Management	August 2010
7.	Preliminary Site Assessment for "Cadangan Mendirikan Loji Biomass Berkapasiti 12MW Menggunakan Tandan Kosong Kelapa Sawit di Batu 6, Jalan Segama, Lahad Datu, Sabah"	Lahad Datu Bioenergy Sdn Bhd	Technical Review and Environmental Management	July 2010
8.	Preliminary Site Assessment (PSA) for the Proposed 3.20MW Biomass Based Power Plant within TSH Bio Energy and Eko Pulp & Paper Complex, Tawau, Sabah	Polar Vertex Sdn Bhd	General Environmental Management, Land Use Planning, Pollution Control, and Landscape and Visual	April 2010
9.	Preliminary Site Assessment (PSA) for the Proposed 25MW Biomass Power Plant at Lahad Datu, Sabah	SD Resources Sdn Bhd	General Environmental Management	September 2009
10.	Preliminary Site Assessment Report (PAT) for Proposed 60MT/Hr Palm Oil Mill at Sukau, Kinabatangan District, Sabah	Sukau Palm Oil Mill Sdn Bhd	Land Use	January 2009
11.	EIS for Proposed 12MW Biomass Power Plant and 3MW Biogas Power Plant at Prolific Yield Oil Palm Mill in Sandakan, Sabah	Cepat Wawasan Group Berhad	General Environmental Management	August 2008
12.	EIS for Proposed Biomass-Based Cogeneration Power Plant, Sg. Mowtas, Sandakan, Sabah	IOI Bio-Energy Sdn Bhd	Project Coordinator	January 2007
13.	EIS for Establishment of 11.5 MW Biomass Power Plant Project At N.T. 073020309, Off Mile 12, Labuk Road, Sandakan, Sabah	Seguntor Bioenergy Sdn Bhd	Project Coordinator	October 2006



No	Project Title and Location	Client	Task	Year
14.	EIS for Proposed 11.5MW Biomass Power Plant Project at Lot 16359, Mile 10 ½, Off Labuk Road, Sandakan, Sabah	Kina Biopower Sdn Bhd	Project Coordinator	September 2006
15.	EIS for Proposed Construction of Palm Oil Mill at CL 105523911 – Sg. Silimponon, Kalabakan, Tawau District, Sabah	Syarikat Kretam Mill	Technical Review and Environmental Management	Jan 2006
16.	Proposed Temporary Stockpiling of Sand At Sepangar Bay, Sabah.	Muhibbah-LTAT JV	Project Coordinator	March 2003

Selected Special Study (SS)

No	Project Title and Location	Client	Task	Year
1.	Supplementary Report for Earthwork/Blasting Activities at Lot CL. 015494934 by Hardie Development at Jalan Sepangar, Menggatal, Sabah, Malaysia	Hardie Development Sdn Bhd	Technical Review	Ongoing
2.	Service to Prepare the Environmental Policy for the State of Sabah 2010–2020	Environment Protection Department	Project Director	Ongoing
3.	Provision of Air Quality Study for Associated TNB Facilities (Teluk Ewa Power Station & Tawau Main Intake) for TNB Research Sdn Bhd	TNB Research Sdn Bhd	Technical Review	February 2012
4.	Enhancing Environmental Management by Way of Strengthening the Compliance of Logging Operators to the Environmental Conditions in Sabah	Environment Protection Department	Project Director	November 2011
5.	Development of Oil Spill Response Preparedness and Capability for Sabah Oil and Gas Terminal (SOGT)	Petronas Maritime Services Sdn Bhd	Technical Review	October 2011
6.	Reassessment of Quarry Operation at Kg. Notorus, Penampang, Sabah	Notorus Quarry Sdn Bhd	Technical Review	October 2011
7.	Consultancy Services for Establishment of Scheduled Waste Handling System for Syarikat Tenom Quarry's Heavy Machinery Workshop at Kg. Nambazan, Penampang	Syarikat Tenom Quarry	Technical Review	October 2011
8.	Assessment of Another Excess Earth Material Dump Site at Inanam Laut for the KK Waterfront Development	Sunsea Enterprise Sdn Bhd	Technical Review	May 2011
9.	Assessment of Another Excess Earth Material Dump Site On NTs. 043216655 and 043216646 for the KK Waterfront Development	Sunsea Enterprise Sdn Bhd	Technical Review	March 2011
10.	Traffic Study Impact for the Proposed 5-Storey Walk-Up Apartments Development on NT.013078478 at Kampung Gudon, Off Jalan Sulaman, Kota Kinabalu (With Strata Titles To Be Applied For) University Prime Condominium	The "W" Property Collection Sdn Bhd	Technical Review	November 2010
11.	Best Management Practices (BMP) for "Pelaksanaan Pengurusan Sumber Air Bersepadu (IWRM) di Malaysia: Sungai Liwagu, Kundasang, Ranau"	Jabatan Pengairan dan Saliran (DID)	Technical Review	December 2010



No	Project Title and Location	Client	Task	Year
12.	Environmental Report for the Proposed Dredging Works at Sg. Bongon River Mouth, Kota Marudu District, Sabah	Jurutera Saba Perunding	Technical Review	December 2010
13.	Additional Information for the Proposed Commercial Development Comprising Shopping Complex, Apartment Building and Hotel On 3.1 Acres Land T.L. 017553187 (with subsidiary titles to be applied for) at Jalan Tun Fuad Stephens, Kota Kinabalu, Sabah	Sunsea Enterprise Sdn Bhd	Project Coordinator	December 2010
14.	Reassessment Report for the Proposed Small Hydroelectric Scheme at Sg. Kinapasan, District of Ranau, Sabah	Warisan Harta Sabah Sdn Bhd	Technical Review	July 2010
15.	Hydraulic Study Modelling for the Proposed Marina Breakwater Screen at Pulau Udar Kecil, Sepangar Bay, Kota Kinabalu, Sabah	Trans Resources Corporation	Technical Review	July 2010
16.	Additional Works for the Proposed Amalgamation and Subdivision for 282 Units of Condominium with Communal Facilities on Lots CL.015152842 and CL.015495084 at Bukit Padang, Kota Kinabalu, Sabah	Rafflesia Kurnia Sdn Bhd	Project Coordinator	April 2010
17.	Supplementary Report for the New Sabah Oil and Gas Terminal (SOGT) Layout in Kimanis Bay, Papar District, Sabah	Petronas Carigali Sdn Bhd	Technical Review	February 2010
18.	Reassessment Report for the Proposed Resort Development at Malohom Bay, Pulau Gaya, Sabah	Magna Boundary Sdn Bhd	Project Coordinator	November 2009
19.	Environmental Report for "Projek Merekabentuk, Membina dan Menyiapkan Loji Penapis Air Tenom, Sabah"	Eramaz (M) Sdn Bhd	Technical Review	November 2009
20.	Traffic Study for the Proposed 4-Storey Apartment On CL.015084429 & CL.015276838 at Jalan Sulaman Highway, Menggatal, Kota Kinabalu (University Condo Apartment 2)	The "W" Builder Corporation Sdn Bhd	Project Coordinator	October 2009
21.	Water Flow Measurement at Sg. Pang Burong, KM 56, Tawau-Lahad Datu Highway, Kunak, Sabah	Eko Pulp & Paper Sdn Bhd	Technical Review	June 2009
22.	Supplementary Report for the Causeway-Bridge at Sepangar Bay, Kota Kinabalu, Sabah	Trans Resources Corporation Sdn Bhd	Project Coordinator	May 2009
23.	Supplementary Report for the Proposed Dumping Site at Telipok Quarry, Sabah	Hap Seng Building Materials Sdn Bhd	Technical Review	May 2009
24.	Reassessment of Blasting Activities at the Proposed Bandar Sierra Mixed Development On CL.015414972 Off Mile 13.5, Jalan Tuaran Menggatal, Sabah	Dapan Holding Sdn Bhd	Technical Review	April 2009
25.	Supplementary Report for the Borrow Pits at Kimanis, Papar District, Sabah	Montis Sdn Bhd & Ribuan Gaya Sdn Bhd	Technical Review	January 2009
26.	Traffic Survey, Traffic Site Planning and Traffic Impact Study for Cyber City Apartments Phase 2, Penampang District, Sabah	The 'W' Property Collection Sdn Bhd	Project Coordinator	December 2008
27.	Remaining Work on PRSS's EIA for Gumusut-Kakap Oil Export Pipeline to SOGT	Sabah Shell Petroleum Company Limited (SSPC)	Technical Review	June 2008



No	Project Title and Location	Client	Task	Year
28.	Traffic Study for the Proposed 4-Storey Apartment on CL.015028510 at Jalan Sulaman, Kota Kinabalu (University Condo Apartment)	Eurotra Sdn Bhd	Project Coordinator	May 2008
29.	Air Pollution Modelling for the Used Oil Recovery Facilities on CL.045313148 & CL.045313157, Off Mile 18, Tuaran Road, District of Tuaran, Sabah	Ng Sian Hap Pottery Factory (S) Sdn Bhd	Project Coordinator	April 2008
30.	Air Pollution Modelling for the Used Oil Recovery Facilities (Off Site) at Tiong Cheong Brick Factory, Tuaran, Sabah	Tiong Cheong Bricks Sdn Bhd	Project Coordinator	April 2008
31.	Supplementary Report for Blasting Activities for the EIA for the Proposed Obstruction Clearance for the Redevelopment of KKIA, Penampang, Sabah	Global Upline Sdn Bhd	Technical Review & Environmental Management	July 2007
32.	Pre-Bid Services for Proposed 300 MW Coal-Fired IPP Project at Silam, Lahad Datu, Sabah.	PEC Konsult Sdn Bhd	Project Coordinator	May 2006
33.	DEIA for the Proposed Coal Fire Power Plant (IPP) at Silam, Lahad Datu, Sabah.	Zaramo Energy Sdn Bhd	Project Coordinator	May 2006
34.	Reassessment Report – Proposed Marine Sand Borrow Area (PT 20-02040143) Offshore of Sabah.	Sri Kumpulan Construction (EM) Sdn Bhd	Project Coordinator & Environmental Management	January 2004

Selected Proposal for Mitigation Measures (PMM)

No	Project Title and Location	Client	Task	Year
1.	PMM for the Proposed Commercial Development on TL.117505236 at Singgah Mata, Jalan Pantai, Lahad Datu Town, Lahad Datu, Sabah	Miliquest Sdn Bhd	Environmental Management and Technical Review	Ongoing
2.	PMM for the Proposed Commercial Development at Shahrul Pantai Area, Lahad Datu, Sabah	Tamaco Development Sdn Bhd	Environmental Management & Technical Review	Ongoing
3.	PMM for Proposed Oil Palm Plantation on CL.11517 3978 (344.4Ha) in Tanjong Labian, Tungku, District of Lahad Datu, Sabah	SCT Resources Sdn Bhd	Land Use	December 2011
4.	PMM for Proposed 8 to 9 Storey Apartment (Consist of Phase 1A = 640 Units Medium Cost Apartment, Phase 1B = 640 Units Medium Cost Apartment & Phase 2 = 384 Units Student Hostel Apartment) With Strata Titles to be Applied on CL.015392248, NT.013091855, CL.015392266 & NT.013073124 at Darau, Menggatal, District of Kota Kinabalu	Kinsanuri Sdn Bhd	Environmental Management and Technical Review	May 2008
5.	PMM for the Proposed Construction of Palm Oil Jetty at POIC Sandakan, Sabah	SCHB Engineering Services Sdn Bhd	Environmental Management & Technical Review	February 2008



No	Project Title and Location	Client	Task	Year
6.	PMM for the Proposed Resort Development Consisting Reception Complex, Spa Village, 61 Units of "Kampung' Villas on Lot D (20 Acre) at Pulau Tiga, Sabah	Borneo Cosmeceutical Sdn Bhd	Environmental Management & Technical Review	January 2008
7.	PMM for the Proposed Development of Quarters for the Army, Police Ranger's, Resting Facilities and Public Toilet at Pulau Sipadan, Semporna District, Sabah	Syarikat AKS Construction	Technical Review and Environmental Management	December 2007
8.	PMM for the Proposed Cadangan Projek Peningkatan Kemudahan Pelancongan " Kampung Air", Tanjung Aru, Sabah.	Tegamas Sdn Bhd	Environmental Management & Technical Review	May 2007
9.	PMM for the Proposed 132 Units Terrace Houses On LA 94020720 at Kinarut South, Papar, Sabah	Lembaga Pembangunan Perumahan & Bandar	Environmental Management & Technical Review	April 2007
10.	PMM for the Proposed 4-Storey Apartments (Strata Title) On NT213076512, NT213092285, NT213092276, NT213076530, NT213097351, NT213097379, NT213097360 and NT213046292 at Kg. Kepayan, District of Penampang, Sabah	Herowang Sdn Bhd	Technical Review and Environmental Management	January 2007
11.	PMM for the Replanting of Oil Palm Plantations for 450 Ha at Sepagaya Estate, Sandakan, Sabah	Borneo Samudera Sdn Bhd	Technical Review and Environmental Management	July 2006
12.	PMM for the Replanting of Oil Palm Plantations for 400 Ha at Sg. Menanggal Estate Sandakan, Sabah	Borneo Samudera Sdn Bhd	Technical Review and Environmental Management	July 2006



1. **Family name:** Malagkas
2. **Given names:** Jessica Yvette
3. **Date of birth:** 19 June 1976
4. **Passport holder:** Malaysian
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
University of Newcastle, New South Wales May 2000	Bachelor of Engineering (Chemical)

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Malay	1	1	1

7. **Registrations:**

Environment Protection Department (EPD), Sabah: Registration No.: **S0007**

Department of Environment (DOE) Malaysia: Registration No.: **AC0121**

8. **Present position:** Director, Chemsain Konsultant Sdn Bhd:

9. **Years within the firm: 10**

10. **Professional experience**

Period	Employer	Position and Main Activities
December 2009 – Present	<i>Chemsain Konsultant Sdn Bhd, Kota Kinabalu, Sabah</i>	<u>Director / Operation Manager</u> In-charge of both Monitoring (Field) and Lab Divisions for Sabah Branch. Responsible in the technical and commercial development in both divisions.
July 2007 – Present	<i>Chemsain Konsultant Sdn Bhd, Kota Kinabalu, Sabah</i>	<u>Operation Manager</u> In-charge of both Monitoring (Field) and Lab Divisions for Sabah Branch. Responsible in the technical and commercial development in both divisions.
May 2002 – June 2007	<i>Chemsain Konsultant Sdn Bhd, Kota Kinabalu, Sabah</i>	<u>ESH Consultant</u> Co-coordinating and preparing environmental reports, liaison with clients and government agencies.
October, December 2001 – May 4, 2002	<i>Daily Express, Tanjung Aru, Sabah</i>	Editorial Section
December 1998 – February 1999	<i>Corporate Dynamics Sdn Bhd, Kota Kinabalu</i>	<u>Industrial Experience (12 weeks)</u> ➤ Completed obligatory 12-weeks Industrial Training. ➤ The project allocated under the training requirement was to conduct plant polymer trials to ascertain polymer effectiveness on settled and treated water.
January – June 2000	<i>Theresa Yaw</i>	<u>Tutor</u> Tutored primary and secondary students in Maths, Science, English and Bahasa Melayu.
1994	<i>Secretary of AD-HOC Committee</i>	<u>Responsibilities:</u> ➤ Ensuring that organizing and planning of events catering to students needs done smoothly.



Period	Employer	Position and Main Activities
		<ul style="list-style-type: none"> ➤ Taking care of the administrative and financial side of the council. ➤ Liaising with the administrative body of the institute to ensure protocol and regulations are observed.
1995	<i>Treasurer of Ozzie Student Council</i>	
1998-1999	<i>Member of Institution of Engineers and The Institute of Chemical Engineers, Australia</i>	Attending gatherings to keep track with the engineering scene.

Environmental Impact Assessment (EIA) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	EIA for the Whole Papar Quarry Life Plan at Benoni, Papar, Sabah	Hap Seng Building Materials Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
2.	EIA for the Proposed Replanting of Oil Palm Plantation at Bt. Sekong Estate, Kinabatangan District, Sabah	Abedon Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
3.	EIA for the Proposed Replanting of Oil Palm Plantation at Bumiwealth / Inobong / Kolopis / Tanaki Estates, Kinabatangan District, Sabah	Abedon Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
4.	EIA for the Proposed Harbour City (Lot 37) at Tanjung Aru, Sembulan, Jalan Pantai Baru, Kota Kinabalu City, Sabah, Malaysia	Capitol Avenue Development Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
5.	EIA for "Projek Bekalan Air Luar Bandar (BALB) Sistem Retikulasi Negeri Sabah Tahun 2011/2012 – Zon 12C (Cadangan Pembinaan Empangan Di Pulau Lihak-Lihak, Semporna)"	Kementerian Kemajuan Luar Bandar & Wilayah	Chemical Engineering and Occupational Safety & Health	Ongoing
6.	EIA for the Proposed 13 & 14-Storey Apartments on NT.213101921, NT.213089297 & PL.216170740, Jalan Minintod, Penampang	Isratama Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
7.	EIA for the Proposed Development of Fishery Low-Cost Apartment (Ph 1) – 1,000 Units 5-Storey Walk-Up Low-Cost Apartment at Mile 3, Jalan Bomba, Off Jalan Utara, Sandakan, Sabah	Integral Acres Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
8.	EIA for Proposed Establishment of Oil Palm Plantation (OPP) within Desa Tea Sdn Bhd Area, District of Ranau, Sabah	Desa Tea Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
9.	EIA for the Proposed Quarry Activities for Jesselton Hills Development at Menggatal, Kota Kinabalu, Sabah	Hap Seng Building Materials Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
10.	EIA for Proposed Oil Palm Plantation (OPP) in Lot 5, Bonggaya Forest Reserve, Sabah	Satria Eramaju Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
11.	EIA for Proposed Oil Palm Plantation (OPP) in Lot 4, Bonggaya Forest Reserve, Sabah	Aspirasi Kristal (M) Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing



No	Project Title and Location	Client	Task	Year
12.	EIA for Proposed Karambunai Integrated Resort City (Phase 1), Golf Course and Waterfront Community On CL.045091174 at Karambunai, Menggatal, Kota Kinabalu, Sabah	Karambunai Resorts Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
13.	SEIA for the Proposed Dam Upstream of Cinta Mata Treatment Plant, Tawau, Sabah	Jurutera Perunding Campo Sdn Bhd	Occupational Safety & Health, Environmental Monitoring	Ongoing
14.	EIA for the Proposed Mixed Commercial Development cum Bus Terminal on Land Vested with DBKK under G.N.1049, Jalan Wawasan, Kota Kinabalu, Sabah	Golden Wave Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
15.	EIA for Earthwork Activities for the Construction of a Secure Landfill Within SFI Complex, Sipitang District, Sabah	Sabah Forest Industries Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
16.	EIA for the Proposed New Road From Kg. Kapitangan to Kg. Dogoton at Pulau Banggi, District of Kudat, Sabah	Perunding Shahelmey & Rakan-Rakan Sdn Bhd	Chemical Engineering and Occupational Safety & Health	Ongoing
17.	EIA for Proposed Up-gradation of Terminal Building Facilities and Ferry Landing Jetty at Menumbok, Sabah	Pemborong Sinar Maju	Chemical Engineering and Occupational Safety & Health	June 2012
18.	PEIA and QRA for Proposed Oil Waste Recycling Plant at Innatech Waste Management (L) Sdn Bhd, Asian Supply Base, Labuan	Innatech Waste Management (L) Sdn Bhd	Waste Management and Occupational Safety and Health	May 2012
19.	EIA for the Proposed Condominium Development on L2723 & L015395196 Mile 3½, Off Jalan Tuaran, Kota Kinabalu	Country View Development Sdn Bhd	Chemical Engineering and Occupational Safety & Health	May 2012
20.	EIA for the Proposed River Sand Mining on Lot CL.2400, Kg. Melulugus, Beaufort, Sabah	Fung Kim Soo	Chemical Engineering and Occupational Safety & Health	May 2012
21.	EIA for "Cadangan Pembinaan Terminal Bas Bersepadu Batu 3½, Jalan Lintas Utara, Sandakan, Sabah"	Majlis Perbandaran Sandakan	Chemical Engineering and Occupational Safety & Health	April 2012
22.	EIA for the Proposed Resort Hotel and Resort Real Estate in Dalit Bay, Tuaran, Kota Kinabalu, Sabah	Tekun Cemerlang Sdn Bhd	Chemical Engineering and Occupational Safety & Health	March 2012
23.	EIA for Replanting of Oil Palm Plantations at Gugusan Sahabat (Dent Peninsular) Lahad Datu for Felda Wilayah Sahabat, Sabah	FELDA (Lembaga Kemajuan Tanah Persekutuan)	Chemical Engineering and Occupational Safety & Health	January 2012
24.	EIA for "Cadangan Pembinaan Kediaman Koums Asrama UMS di Atas Tanah Lot NT.013087459 & NT.013087440 di Kg. Numbak, Kuala Menggatal, Kota Kinabalu"	Likas Bay Precint Sdn Bhd	Chemical Engineering and Occupational Safety & Health	December 2011



No	Project Title and Location	Client	Task	Year
25.	EIA for Proposed Condominium Development on Lot 1465, 015395203 & 015358899 at Mile 3 ½, Tuaran Road, Kota Kinabalu (with Subsidiary Strata Titles to be Applied For)	Setiajati Development Sdn Bhd	Chemical Engineering and Occupational Safety & Health	November 2011
26.	EIA for Replanting of Oil Palm Plantations at Ladang Sg. Tenegang and Ladang Sg. Koyah, District of Kinabatangan, Sabah	THP Sabaco Sdn Bhd	Chemical Engineering and Occupational Safety & Health	November 2011
27.	EIA for the Proposed Quarry Operation on CL075211344, Mile 16, Sandakan, Sabah	Chin Yun Quarry Sdn Bhd	Chemical Engineering and Occupational Safety & Health	November 2011
28.	EIA for Proposed River Sand Dredging on PT.20-10080872 at Sg. Klagan, Beluran, Sabah	Hidayah Mewah Sdn Bhd	Chemical Engineering and Occupational Safety & Health	September 2011
29.	EIA for Replanting of Oil Palm Plantations at Desa Talisai Estates, Mile 54, Jalan Sandakan–Telupid	IJM Plantations Berhad	Chemical Engineering and Occupational Safety & Health	August 2011
30.	EIA for Proposed River Sand Dredging on PT.20-06040448 at Kg. Kosusu/Kionsom, Topokon, Tuaran, Sabah	Dynamic Visa Sdn Bhd	Chemical Engineering and Occupational Safety & Health	August 2011
31.	EIA for the Proposed Development on CL.175331012 at Kg. Binsulok, Beaufort, Sabah	Visage Evergreen Sdn Bhd	Chemical Engineering and Occupational Safety & Health	August 2011
32.	EIA for the Proposed Quarry Operation on CL 085311146 at Ulu Sapa Paya, Sandakan	Perfect Oil Resources (Sabah) Sdn Bhd	Chemical Engineering and Occupational Safety & Health	July 2011
33.	EIA for the Proposed River Sand Mining On PT20-04021090 at Kg. Manggis, Papar, Sabah	Syarikat Tenom Quarry	Chemical Engineering and Occupational Safety & Health	June 2011
34.	Social and Environmental Impact Assessment (SEIA) for the Proposed Oil Palm Plantation at Genting Permai Estate, Tongod, Sabah	Genting Plantations Berhad	Chemical Engineering and Occupational Safety & Health	June 2011
35.	EIA for the Proposed Development on CL.175330980 and CL.175320957 at Kg. Binsulok, Beaufort, Sabah	Amity Estates Sdn Bhd	Chemical Engineering and Occupational Safety & Health	May 2011
36.	EIA for Replanting of Oil Palm Plantations at Gugusan Umas (Brantian) Tawau for Felda Wilayah Sahabat, Sabah	FELDA (Lembaga Kemajuan Tanah Persekutuan)	Chemical Engineering and Occupational Safety & Health	April 2011
37.	EIA for “Cadangan Membina Jeti Kargo di Timbang Dayang, Pulau Banggi, Daerah Kudat, Sabah”	Perunding Shahelmey dan Rakan-Rakan Sdn Bhd / Felcra Berhad	Chemical Engineering and Occupational Safety & Health	April 2011
38.	EIA for the Whole Kukusan Quarry at Tawau, Sabah	Hap Seng Building Materials Sdn Bhd	Chemical Engineering and Occupational Safety & Health	March 2011
39.	EIA for the Proposed Puncak Menggatal Development (9.974 acres) at Menggatal, Sabah	Chang Cheng Realty Sdn Bhd	Chemical Engineering and Occupational Safety & Health	February 2011



No	Project Title and Location	Client	Task	Year
40.	PEIA & QRA for the Proposed Scheduled Waste Treatment and Storage Facility at Ranca-Ranca Industrial Area, Labuan	Beyond Status Sdn Bhd	Waste Management and Occupational Safety and Health	January 2011
41.	EIA for the Proposed Jesselton Hill Development at Menggatal, Sabah	Hap Seng Land Development (Jesselton Hill) Sdn Bhd	Chemical Engineering and Occupational Safety & Health	January 2011
42.	EIA for Proposed "Pembinaan Taman Rekreasi Offshore (Padang Golf) Di Kiamsam, Wilayah Persekutuan Labuan"	Saujana Scape & Greens Sdn Bhd	Waste Management	December 2010
43.	PEIA for the Proposed Mobile Incinerator at Institut Penyelidikan Bioteknologi (IPB)	Ekovest Construction Sdn Bhd	Waste Management	December 2010
44.	EIA for "Cadangan Pembinaan Pejabat Daerah Agensi Penguatkuasaan Maritim Malaysia di Sandakan, Sabah"	Apex Builders Sdn Bhd	Chemical Engineering and Occupational Safety & Health	December 2010
45.	EIA for the Proposed Quarry Operation on CL.215305623 and Overburden Disposal on NT.213093513 & NT.213100479, Kg. Madziang, Penampang, Sabah	Hap Seng Building Materials Sdn Bhd	Chemical Engineering and Occupational Safety & Health	December 2010
46.	SEIA for the Proposed Upper Padas Hydro Electric Project	Sabah Electricity Sdn Bhd	Occupational Safety & Health	June 2010
47.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Suan Lamba)	Chemical Engineering and Occupational Safety & Health	June 2010
48.	EIA for the Earthwork Activities for the Project "Cadangan Membina dan Menyiapkan Kem Program Latihan Khidmat Negara di Mesapol, Sipitang, Sabah untuk Kegunaan Kementerian Pertahanan Malaysia"	Afie Enterprise Sdn Bhd	Chemical Engineering and Occupational Safety & Health	May 2010
49.	EIA for the Existing Quarry Operation in Beaufort, Sabah	San Min Quarry Sdn Bhd	Chemical Engineering and Occupational Safety & Health	May 2010
50.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Sekong)	Chemical Engineering and Occupational Safety & Health	May 2010
51.	EIA for Proposed 148 Units of 14-Storey High-End Condominium on CL.015101461 at Jalan Bantayan, Kota Kinabalu	Sara-Timur Realty Sdn Bhd	Chemical Engineering and Occupational Safety & Health	April 2010
52.	EIA for the Additional Site Preparation Works for the Proposed Sabah Oil & Gas Terminal (SOGT) Project in Kimanis Bay, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Chemical Engineering and Occupational Safety & Health	January 2010
53.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Sabapalm)	Chemical Engineering and Occupational Safety & Health	December 2009



No	Project Title and Location	Client	Task	Year
54.	EIA for the Proposed Replanting of Oil Palm Plantation in Sabah Group of Estates (2008-2015)	Genting Plantations Berhad (Genting Tanjung)	Chemical Engineering and Occupational Safety & Health	December 2009
55.	EIA for "Projek Naiktaraf Jalan Pukak-Mantob, Kiulu, Tuaran, Sabah"	Jabatan Kerja Raya	Chemical Engineering and Occupational Safety & Health	November 2009
56.	EIA for "Cadangan Membina dan Menyiapkan Sekolah Menengah Kebangsaan Agama Datu Mustapha yang Mengandungi 36 Bilik Darjah dan Kemudahan Berkaitan di Daerah Papar, Sabah"	Kementerian Pelajaran Malaysia	Chemical Engineering and Occupational Safety & Health	October 2009
57.	EIA for Proposed Condominium Development Near Bayshore, Likas, Sabah	Laserplus Sdn Bhd	Chemical Engineering and Occupational Safety & Health	October 2009
58.	EIA for the Quarry Operation on Part of CL.125318354 at Bukit Siagil, Semporna, Sabah	Albida Plantation Sdn Bhd	Chemical Engineering and Occupational Safety & Health	July 2009
59.	EIA for "Projek Cadangan Pembinaan Kompleks Sukan Sipitang, Sabah"	Jeramaju Sdn Bhd	Chemical Engineering and Occupational Safety & Health	July 2009
60.	PEIA and QRA for the Proposed Kimanis Power Project at Kimanis Bay, District of Papar, Sabah	Petronas Gas Berhad	Waste Management	July 2009
61.	EIA for the Proposed Industrial Tree Plantation (ITP) in Kota Marudu/Pitas Districts, Sabah	Asian Forestry Company Sdn Bhd	Chemical Engineering and Occupational Safety & Health	May 2009
62.	EIA for the Proposed "Projek Pembangunan KD Sri Sandakan Fasa 3, Sandakan, Sabah"	Ministry of Defence Malaysia	Chemical Engineering and Occupational Safety & Health	May 2009
63.	EIA for the "Proposed Sports School At Kota Kinabalu, Sabah"	BHO Sdn Bhd	Chemical Engineering and Occupational Safety & Health	May 2009
64.	EIA for "Site Preparation Works for the Proposed Kimanis Power Project at Kimanis Bay, District of Papar, Sabah"	Petronas Gas Berhad	Chemical Engineering and Occupational Safety & Health	April 2009
65.	EIA for Proposed Earthworks at IZ7 Phase 2, IZ8 & IZ9 at Kota Kinabalu Industrial Park (KKIP), Tuaran District, Sabah	KKIP Sdn Bhd	Chemical Engineering and Occupational Safety & Health	March 2009
66.	EIA for the Existing Teluk Sepangar Quarry at Kilometre 4, Jalan Teluk Sepangar, Sabah	Teluk Sepangar Quarry Sdn Bhd	Chemical Engineering and Occupational Safety & Health	March 2009
67.	EIA for the Proposed Sand Dredging On NT.043166909, NT.043166892 and NT.043078691 at Sg. Tuaran, Tuaran District, Sabah	Juta Segi Sdn Bhd	Chemical Engineering and Occupational Safety & Health	February 2009
68.	EIA for the Proposed Oil Palm Plantation (OPP) On Lot 2 (10,000 Hectares), Labuk and Sugut District, Sabah	Kelola Maju Sdn Bhd	Chemical Engineering, Occupational Safety & Health	September 2008



No	Project Title and Location	Client	Task	Year
69.	EIA for Replanting of Oil Palm Plantation at Baturong 1 Estate (2,822 Ha), Lahad Datu, Sabah	IOI Corporation Berhad	Chemical Engineering and Occupational Safety & Health	August 2008
70.	EIA for "Cadangan Menaiktaraf, Membina & Menyiapkan Institut Pendidikan Guru (IPG) Kent, Tuaran, Sabah"	PSM Supplier Sdn Bhd	Air, Noise and Occupational Safety & Health	August 2008
71.	EIA for the Proposed Oil Palm Plantation at Sg. Semawang, Sandakan District, Sabah	Metro Tulus Sdn Bhd	Occupational Safety & Health	July 2008
72.	EIA for the Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110KM) – Pakej 2 (Marak Parak-Togop (30KM)	Jabatan Kerja Raya, KK	Noise Pollution and Occupational Safety & Health	June 2008
73.	EIA for the Proposed Multi-Storey Office Cum Commercial Complex and Hotel Apartment for LPPB On CL 017547161 & CL 01546918 At Jalan Istana, Kota Kinabalu, Sabah	Benteng Pulangan Sdn Bhd	Air, Noise and Occupational Safety & Health	May 2008
74.	EIA for Cadangan Pembinaan Kolej Kesihatan Fasa II, Bukit Padang, Sabah Secara Rundingan Terus 'Design & Build'	Empangan Emas Sdn Bhd	Air, Noise and Occupational Safety & Health	April 2008
75.	EIA for Proposed Land Disposal Area for Sabah Oil and Gas Terminal (SOGT) Project at Kimanis Bay, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Noise, Occupational Safety & Health and Traffic	March 2008
76.	EIA for the Proposed 12 Units Chalets and Hanging Bridge (Future 12 Units VIP Chalets & Multi Purpose Hall) On CL 065313662 At Kundasang, Ranau, Sabah	Perkasa Hotel Holdings Sdn Bhd	Air, Noise and Occupational Safety & Health	January 2008
77.	EIA for the Proposed Resort Development Consisting Reception Complex, Spa Village, 37 Units of hill Villas and 25 Units Mangrove Villas at Malohom Bay, Pulau Gaya, Sabah	Magna Boundary Sdn Bhd	Noise Pollution, Monitoring Plan and Occupational Safety & Health	January 2008
78.	EIA for the Proposed Causeway-Bridge Linking Mainland to Pulau Udar Kecil at Sepangar Bay, Kota Kinabalu, Sabah	Trans Resources Corporation Sdn Bhd	Air, Noise and Occupational Safety & Health	January 2008
79.	EIA for Proposed Earth Disposal at Industrial Zone 8 (IZ8) Phase 2 at Kota Kinabalu Industrial Park (KKIP), Tuaran District, Sabah	KKIP Sdn Bhd	Air, Noise and Occupational Safety & Health	November 2007
80.	EIA for the Proposed Commercial and Housing Development on CL.025319401 Kinarut South, Level 2, Centre Papar, Sabah	Lembaga Pembangunan Perumahan Dan Bandar	Air, Traffic and Occupational Safety & Health	November 2007



No	Project Title and Location	Client	Task	Year
81.	EIA for Proposed Mixed Development Consisting of 1 Block of 27 Storeys Condominium, 2 Blocks of 18 Storeys Condominium, 1 Block of 29 Storeys Hotel & Service Apartments with 8 Units Retail Space & 3 Levels of Carparking Facilities at Lower Ground on Title No. 017544366, Lot 2 (017546495) & Lot 3 (017546486) (with Subsidiary Strata Title to be Applied For) at Tanjung Lipat, Kota Kinabalu, Sabah, Malaysia	South-East Best Sdn Bhd	Air, Noise and Occupational Safety & Health	October 2007
82.	EIA for the Proposed Crushing Activities at Bandar Sierra Development Site, Menggatal, Sabah	Ready Impact Sdn Bhd	Air, Noise and Occupational Safety & Health	October 2007
83.	EIA for the Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110km) – Pakej 1 (Kota Marudu-Marak Parak 30km)	Jabatan Kerja Raya, KK	Noise Pollution and Occupational Safety & Health	October 2007
84.	EIA for the Proposed Land Disposal Area for Sabah Oil & Gas Terminal (SOGT) Project at Kimanis Bay, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Noise, Occupational Safety & Health and Traffic	September 2007
85.	EIA for Projek Cadangan Pembinaan Kompleks Sukan Ranau Di Atas Lot No. 06124204 dan 06125995, Kampung Lohan Ulu, Ranau, Sabah	Nadi Communication Sdn Bhd	Occupational Safety & Health	September 2007
86.	EIA for the Proposed Borrow Pit for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Noise, Occupational Safety & Health and Traffic	September 2007
87.	EIA for the Proposed Sand Borrow Area for Reclamation at Kimanis Bay for Sabah Oil & Gas Terminal Project, District of Papar, Sabah	Petronas Carigali Sdn Bhd	Water Pollution, Monitoring Plan and Occupational Safety & Health	September 2007
88.	Proposed Upgrading of Jalan Putatan-Kepayan and Proposed Flyover at Jalan Lintas and Jalan Mat Salleh Junction, Kota Kinabalu	Global Upline Sdn Bhd	Occupational Safety & Health, Noise Pollution and Monitoring Plan	August 2007
89.	EIA for the Proposed Sand Extraction at Sg. Kimanis, Papar, Sabah	Papar Maju Sdn Bhd	Occupational Safety & Health, Noise Pollution and Monitoring Plan	August 2007
90.	EIA for the Proposed Upgrading of Jalan Sukau, Sandakan, Sabah.	Syarikat M. F. Maju Sdn Bhd	Noise Pollution, Monitoring Plan, Occupational Safety & Health	June 2006
91.	EIA for Proposed Earthworks for Construction of 30 MT FFB/Hr Palm Oil Mill at CL 095330724, Asiatic Indah Estate, Tongod, Sabah.	Asiatic Development Berhad	Noise, Occupational Safety & Health	May 2006
92.	EIA for the Proposed Semporna Sewerage Scheme Phase 1, Semporna, Sabah.	Benua Maxis Sdn Bhd	Noise Pollution, Monitoring Plan, Occupational Safety & Health	May 2006



No	Project Title and Location	Client	Task	Year
93.	EIA for Reassessment of Quarry Operation on NT 043121679, NT 043121688, NT 043121651, NT 043121633 and CL 045312776 at Kpg. Kebayau, Telipok, Sabah.	Capricorn Resources Sdn Bhd	Occupational Safety & Health, Noise Monitoring Plan	April 2006
94.	EIA for the Proposed Pom Pom Island Resort Development, Semporna District, Sabah	CML Holdings Sdn Bhd	Occupational Safety & Health, Noise Pollution, Monitoring Plan	January 2006
95.	EIA for the Reassessment of Kemajuan Pangi Quarry at Inanam, Sabah	Kemajuan Pangi Sdn Bhd (Circahaya)	Occupational Safety & Health, Monitoring Plan	January 2006
96.	EIA for the Proposed 306 Acres of Agro-Tourism Development at Beaufort, Sabah	Lebih Raya Sdn Bhd	Occupational Safety & Health	December 2005
97.	EIA for the Proposed Bandar Sierra Mixed Development on CL 015414972 at Bukit Sierra, Off Mile 13.5, Jalan Tuaran, Menggatal, Kota Kinabalu, Sabah	Dapan Holdings Sdn Bhd	Occupational Safety & Health	October 2005
98.	EIA for the Proposed Pig Farming Area at Telipok District, Sabah	Sabah Department of Veterinary Services and Animal Industry	Occupational Safety & Health	October 2005
99.	Proposed Mixed Development of Land CL 075477584 At Mile 5, Jalan Utara, Sandakan, Sabah	IJM Properties Sdn Bhd	Occupational Safety & Health	October 2005
100.	Environmental Impact Assessment for Proposed Dumping Ground Offshore of Labuan F.T. Malaysia	Labindo Engineering Services Sdn Bhd	Occupational Safety & Health	September 2005
101.	EIA the proposed Bulking Installation at NT. 02312804 Sg. Lama, Kimanis, Papar, Sabah	Bonasaba Sdn. Bhd.	Occupational Health & Safety	August 2005
102.	EIA for Proposed Dredging Works Of Seabed In The Vicinity Of Asian Supply Base Sdn Bhd Jetty At Labuan F.T. Malaysia	Labindo Engineering Sdn. Bhd.	Occupational Health & Safety	July 2005
103.	EIA For The Proposed Commercial Development on TL 017533505 at Coastal Highway, Kota Kinabalu, Sabah.	Syarikat Kapasi Sdn Bhd	Occupational Health & Safety	July 2005
104.	EIA for the Proposed Crushing Activities to Supply Aggregates for the Mixed Development at Bandar Sierra, Menggatal, Sabah	Hypervictory Sdn. Bhd.	Occupational Health & Safety	April 2005
105.	EIA for Proposed Commercial Development on TL 017540500 and Corporate Office on NT 017533505 Coastal Highway, Kota Kinabalu, Sabah	Syarikat Kapasi Sdn Bhd	Technical Review and Land Use	February 2005
106.	EIA for Housing Development On PL. 17440, Kpg. Pasir Putih, District of Ranau, Sabah	Meribina Sdn. Bhd.	Occupational Health & Safety	March 2005



No	Project Title and Location	Client	Task	Year
107.	EIA for Proposed 1 Borneo Development at Sepangar bay Road, Near Kampung Pulau Penampang Reserve, Suang Parai, District of Kota Kinabalu, Sabah	Sagajuta Sdn. Bhd.	Occupational Health & Safety	February 2005
108.	EIA for Proposed Hydroelectric Scheme at Sg. Mokodou, District of Ranau, Sabah.	AMDB Berhad	Occupational Health & Safety, Env. Management	October 2004
109.	Development of Sabah INTAN (Institut Tadbiran Awam Negara) Campus At KKIP, District of Tuaran, Sabah	Jabatan Pembangunan Persekutuan Sabah	Occupational Safety and Health & Environmental Management	July 2004
110.	EIA for the Proposed Upgrading, Construction and Completion of Coastal Road From Kpg. Selamat to Kpg. Mentelitip, Semporna, Sabah	Utusan Seni Sdn Bhd	Occupational Health & Safety, Environmental Mgmt.	February 2004
111.	EIA for the Proposed Riverstone Extraction at Sg Lukutan, Melilia, Sipitang	Yeogison Enterprise	Project Coordinator, Land Use	December 2003
112.	EIA for the Proposed Quarry Operation and Related Activities at Lots CL 125312923, 125312932, 125313448, 125313466 and 125313466, Semporna Sabah.	Onika Quarry Sdn Bhd	Project Coordinator, Land Use	December 2003
113.	EIA for Existing KAC Quarry on Lots P.T. 85190247 & P.T. 87190779, Bukit Sebuoh, Sipitang, Sabah	KAC Quarry Sdn Bhd	Project Coordinator, Land Use	November 2003
114.	EIA for the Proposed Forest Harvesting For Benta Wawasan 7/02, Lahad Datu, Sabah	Rakyat Berjaya Sdn Bhd	Project Coordinator, Land Use	September 2002

Proposal for Mitigation Measures (PMM) Projects Undertaken

No	Project Title and Location	Client	Task	Year
1.	PMM for the Proposed Commercial Development on TL.117505236 at Singgah Mata, Jalan Pantai, Lahad Datu Town, Lahad Datu, Sabah	Miliquest Sdn Bhd	Chemical Engineering, Occupational Safety & Health	Ongoing
2.	PMM for the Proposed Commercial Development at Shahrul Pantai Area, Lahad Datu, Sabah	Tamaco Development Sdn Bhd	Chemical Engineering, Occupational Safety & Health	Ongoing
3.	PMM for Proposed Oil Palm Plantation on CL.11517 3978 (344.4Ha) in Tanjong Labian, Tungku, District of Lahad Datu, Sabah	SCT Resources Sdn Bhd	Chemical Engineering, Occupational Safety & Health	October 2011
4.	PMM for Proposed 8 to 9 Storey Apartment (Consist of Phase 1A = 640 Units Medium Cost Apartment, Phase 1B = 640 Units Medium Cost Apartment & Phase 2 = 384 Units Student Hostel Apartment) With Strata Titles to be Applied on CL.015392248, NT.013091855, CL.015392266 & NT.013073124 at Darau, Menggatal, Kota Kinabalu	Kinsanuri Sdn Bhd	Air, Noise and Occupational Safety & Health	May 2008



No	Project Title and Location	Client	Task	Year
5.	PMM for the Proposed Construction of Palm Oil Jetty at POIC Sandakan, Sabah	SCHB Engineering Services Sdn Bhd	Noise and Occupational Safety & Health	February 2008
6.	PMM for the Proposed Resort Development Consisting Reception Complex, Spa Village, 61 Units of "Kampung" Villas on Lot D (20 Acre) at Pulau Tiga, Sabah	Borneo Cosmeceutical Sdn Bhd	Occupational Safety & Health, Noise Pollution and Monitoring Plan	January 2008
7.	PMM for the Proposed Development of Quarters for the Army, Police, Rangers, Resting Facilities and Public Toilet at Pulau Sipadan, Semporna District, Sabah	Syarikat AKS Construction	Occupational Safety & Health, Noise Pollution and Monitoring Plan	December 2007

Environmental Management Plan (EMP) Projects Undertaken

No.	Project Title and Location	Client	Task	Date Submitted
1.	EMP for "Cadangan Membina dan Menyiapkan Politeknik Sandakan, Sabah – Kerja Bangunan dan Infrastruktur (Pakej 1B)"	Kurnia Tunggal Sdn Bhd	Noise, Occupational Safety & Health	December 2010
2.	EMP for the Proposed Gumusut Oil Pipeline to Sabah Oil & Gas Terminal (SOGT) in Komanis, Sabah	Sabah Shell Petroleum Company Limited (SSPC)	Noise, Occupational Safety & Health	July 2009
3.	EMP for Proposed Biodiesel Facility at POIC Lahad Datu, Sabah	Zurex Corporation Sdn Bhd	Noise, Occupational Safety & Health	June 2009
4.	EMP for the Proposed Integrated Pulp and Paper Mill at KM56, Tawau-Kunak Road, Tawau, Sabah	Eko Pulp & Paper Sdn Bhd	Noise, Occupational Safety & Health	January 2009
5.	EMP for the Proposed Tamparuli Town Sewerage Scheme at Tuaran District, Sabah (Design & Build)	Winamewah Sdn Bhd	Noise, Occupational Safety & Health	November 2008

Environmental Impact Statement (EIS) Projects Undertaken

No	Project Title and Location	Client	Task	Year
1.	Preliminary Site Assessment (PSA) for the Proposed Palm Oil Mill at Jalan Kalabakan, Tawau	Serijaya Industri Sdn Bhd	Noise Impact Assessment	August 2010
2.	Preliminary Site Assessment for "Cadangan Mendirikan Loji Biomass Berkapasiti 12MW Menggunakan Tandan Kosong Kelapa Sawit di Batu 6, Jalan Segama, Lahad Datu, Sabah"	Lahad Datu Bioenergy Sdn Bhd	Noise, Occupational Safety & Health	July 2010
3.	Preliminary Site Assessment (PSA) for the Proposed 3.20MW Biomass Based Power Plant within TSH Bio Energy and Eko Pulp & Paper Complex, Tawau, Sabah	Polar Vertex Sdn Bhd	Noise, Occupational Safety & Health	April 2010
4.	Preliminary Site Assessment (PSA) for the Proposed 25MW Biomass Power Plant at Lahad Datu, Sabah	SD Resources Sdn Bhd	Noise, Occupational Safety & Health	September 2009



No	Project Title and Location	Client	Task	Year
5.	Preliminary Site Assessment Report (PAT) for Proposed 120MT/Hr Palm Oil Integrated Complex in Lahad Datu, Sabah	SD Resources Sdn Bhd	Noise, Occupational Safety & Health	May 2009
6.	Preliminary Site Assessment Report (PAT) for Proposed 60MT/Hr Palm Oil Mill at Sukau, Kinabatangan District, Sabah	Sukau Palm Oil Mill Sdn Bhd	Chemical Engineering and Occupational Safety & Health	January 2009

CURRICULUM VITAE – LIM SZE FOOK

Name: Lim Sze Fook

Date of Birth: March 14, 1953

Nationality: Malaysian

Education: Bachelor of Science Honours (Physics), University of Malaya, Kuala Lumpur, June 1977

Intermediate and Advance Course in Meteorology, Pune, India, October 1979 – September 1980

Group Training Course in Meteorology, Tokyo, Japan, October 1984 – January 1985

Environmental Impact Assessment Methodologies Course, Kuala Lumpur. September 1987.

Membership: Registered EIA Consultant, Department of Environment (DOE) [C0282]

Registered Environmental Expert, Environment Protection Department (EPD), Sabah [S0005]

Key Experience:

(Summary of experience related to the task to be assigned)

- » Carried out Environmental Impact Assessment (EIA) consultant in air pollution modelling since 1993.
- » Consultant, (Air Pollution Modelling) to the Pasir Gudang, Johor Air Quality Study Project coordinated by University Putra Malaysia for the Department of Environmental, Malaysia. June 1995 – August 1996.
- » Expert, World Meteorological Organization Meeting of Experts on Urban Air Pollution, Geneva, Switzerland
- » Expert, Health Guidelines on Forest Fires Episodic Events, World Health organization
- » Panel Member for Review of Environmental Impact Assessment Reports, Department of Environment, Malaysia since 1990

Environmental Impact Assessment (EIA) Projects Undertaken:

No.	Project Title and Location	Client	Task	Authority	Date Submitted
1.	Supplementary EIA for the Proposed Pulp and Paper Mill at Sangan, Tatau, Bintulu, Sarawak	Acacell	Air Quality Modelling	DOE	Ongoing
2.	Preliminary Environmental Impact Assessment (PEIA) for the Proposed Exploration Activities on Block SK333, Onshore Baram, Sarawak	Nippon Oil Exploration (Malaysia), Ltd.	Air Quality Modelling	DOE	Ongoing
3.	PEIA for the Proposed 100,000 TPA Biodiesel Plant Project at Kidurong Industrial Estate (Lot 635 & 639, Block 20, Kemena Land District), Bintulu Division, Sarawak	Lucky Wind Sdn Bhd	Air Quality Modelling	DOE	Ongoing
4.	PEIA and Licence Application for the Off-Site Recovery of Calcium Hydroxide Sludges for Clinker Manufacturing at CMS Clinker Plant, Mambong, Kuching, Sarawak	CMS Clinker Sdn Bhd	Air Pollution Modelling	DOE	Ongoing
5.	PEIA and Licence Application for the Off-Site Recovery of Calcium Hydroxide Sludges for Clinker Manufacturing at CMS Clinker Plant, Mambong, Kuching, Sarawak	Eastern Oxygen Industries Sdn Bhd	Air Pollution Modelling	DOE	Ongoing
6.	EIA as Part of the Feasibility Study for the Proposed Baleh Hydroelectric Project	Sarawak Energy Bhd	Macro and Meso Climate Climate	NREB	Ongoing

CURRICULUM VITAE – LIM SZE FOOK

No.	Project Title and Location	Client	Task	Authority	Date Submitted
7.	Preliminary EIA and QRA for the Proposed Urea Formaldehyde, Melamine Formaldehyde and Phenol Formaldehyde Plants at Lot 1103, Plot 4, Jepak Industrial Estate, Bintulu Division, Sarawak	Shin Yang Chemical Sdn Bhd	Air Pollution Modelling	NREB	Ongoing
8.	Provision of EIA for Layang Development Project	Nippon Oil Exploration (Malaysia), Ltd.	Air Quality and Micro-climate	DOE	Ongoing
9.	DEIA for Greenfield Aluminium Smelter, Sarawak	RTA Smelter Development Pty Ltd	Review of Air Quality and Noise Assessment Reports	DOE	Ongoing
10.	DEIA for the Proposed Waste Incinerator Plant at Sabah	Faber Medi-Serve Sdn Bhd	Air Pollution and Odour	DOE, Sabah	December 2010
11.	SEIA for the Proposed Upper Padas Hydro Electric Project	Sabah Electricity Sdn Bhd	Microclimate and Air Quality	EPD, Sabah	June 2010
12.	PEIA and QRA for the Kimanis Power Project at Kimanis Bay, District of Papar, Sabah	Petronas Gas Berhad	Meteorology and Air Quality Modelling	DOE	July 2009
13.	Provision of EIA for Kumang Cluster Development (Phase 1)	Petronas Carigali Sdn Bhd	Meteorological / Air Quality Modelling	DOE	February 2009
14.	PEIA for the “Cadangan Projek Kilang Pemprosesan Sisa Pepejal (MSW) Bioteknologi untuk Kerajaan Negeri Sabah” (Integrated Solid Waste Facility – ISWF)	AGSB Bio-Recovery (M) Sdn Bhd	Air and Odour Pollution Modeling	DOE	December 2008
15.	Provision of EIA for Tangga Barat Cluster Development Project, Offshore Kuala Terengganu, Terengganu	Petronas Carigali Sdn Bhd	Air Quality Modelling and Meteorology	DOE	November 2008
16.	EIA for the Proposed Biomass Fired Combined Heat & Power Plant Project at POIC Phase II, Lahad Datu, Sabah	Eco Biomass Energy Sdn Bhd	Air Quality	World Bank / DOE, Sabah	November 2008
17.	DEIA for the Proposed SFI Pulp and Paper Mill Expansion at SFI Complex, Sipitang District, Sabah	Sabah Forest Industries Sdn Bhd	Air Pollution and Odour Modeling	DOE, Putrajaya	October 2008
18.	EIA for the Proposed Quarry Near Murum Hydroelectric Project Site, Belaga, Kapit Division, Sarawak	Sarawak Energy Berhad	Air Quality Modelling	NREB	October 2008
19.	EIA for D1 Cluster Development in Block SK305, Offshore Sarawak, Malaysia	PCPP Operating Company Sdn Bhd	Meteorological / Air Quality Modelling	DOE	September 2008
20.	EIA, QRA & EMP for the Proposed Central Oil Distribution Terminal (CODT) & Jetty Facilities at Tanjung Manis, Mukah, Sarawak	Assar Chemicals Dua Sdn Bhd	Meteorological / Air Quality Modelling	DOE	September 2008

CURRICULUM VITAE – LIM SZE FOOK

No.	Project Title and Location	Client	Task	Authority	Date Submitted
21.	Supplementary EIA for the Proposed Debottle-necking of Copolymer Plant of Eastman Chemical on Lots 118 & 119, Gebeng Industrial Estate, Kuantan, Pahang	Eastman Chemicals Sdn Bhd	Air Quality Modeling	DOE, Pahang	August 2008
22.	Preliminary EIA for Biodiesel Plant at PLO 519 (PTD 127540), Jalan Besi Satu, Pasir Gudang Industrial Estate, 1700 Pasir Gudang, Johor	Carotino Sdn Bhd	Air Quality Modeling	DOE, Johor	August 2008
23.	Preliminary EIA for the Proposed Quarrying Operation on Lots 798, 799 932, 1061, 2287, 2294, 2295, 2302, 2303, 2315, 3306, 3321, 3342, 3343, 3471, 3472, 3475, 3477, 3483, 3537, Mukim Bukit Merbau, District of Bukit Jawa, Jajahan Pasir Puteh, Kelantan Darul Naim	Bukit Bidang Kuari (M) Sdn Bhd	Air Quality Modelling	DOE, Kelantan	August 2008
24.	PEIA for the Proposed Waste Oil Recovery Plant at Lot 13042 Along Jalan Tuaran-Kota Belud, Sabah.	Cahajasa Sdn Bhd	Air Pollution Modeling	DOE, Sabah	July 2008
25.	DEIA on the Proposed Aluminium Smelting Plant and Supporting Facilities, Mukah Land District, Mukah Division, Sarawak	Press Metal Berhad	Air Quality and Meteorology	DOE	May 2008
26.	EIA for Kuching City Central Waste Water Management System, Phase 1	Kumpulan-Nishimatsu-Hock Seng Lee Consortium	Air Quality / Odour Modelling and Noise Impact Assessment	NREB	October 2007
27.	Supplementary EIA for 10K MT of Scheduled Wastes Storage Facility in KIWWP, Mambong, Kuching, Sarawak	Sarawak Wastes Management Sdn Bhd	Air Quality Modelling	DOE	October 2007
28.	EIA for J4 and D21 Development Project	Petronas Carigali Sdn Bhd	Meteorology / Air Quality Modelling	DOE	December 2007
29.	EIA for the Proposed Pig Farming Area at Tanah Rizab Jabatan Haiwan, Tongod District, Sabah.	Department of Veterinary Services and animal Industry	Air Pollution and Odour Modelling	EPD	December 2007

Environmental Impact Statement (EIS) Projects Undertaken:

No.	Project Title and Location	Client	Task	Authority	Date Submitted
1.	Preliminary Site Assessment (PSA) for the Proposed 24 MW Biomass Based Power Plant within Genting Mewah Oil Palm Estate in Kinabatangan, Sabah	Sandakan Bioenergy Sdn Bhd	Air Quality and Odour, Meteorology	DOE, Sabah	December 2010
2.	Preliminary Site Assessment (PSA) for the Proposed Palm Oil Mill at Jalan Kalabakan, Tawau	Serijaya Industri Sdn Bhd	Air Quality and Odour, Meteorology	DOE, Sabah	August 2010

CURRICULUM VITAE – LIM SZE FOOK

No.	Project Title and Location	Client	Task	Authority	Date Submitted
3.	Preliminary Site Assessment (PSA) for "Cadangan Mendirikan Loji Biomass Berkapasiti 12 MW Menggunakan Tandan Kosong Kelapa Sawit di Batu 2, Jalan Kunak, Daerah Kunak, Sabah"	Lahad Datu Bioenergy Sdn Bhd	Air Quality and Odour, Meteorology	DOE, Sabah	July 2010
4.	Preliminary Site Assessment (PSA) for the Proposed 3.20MW Biomass Based Power Plant within TSH Bio Energy and Eko Pulp & Paper Complex, Tawau, Sabah	Polar Vertix Sdn Bhd	Air Quality and Odour, Meteorology	DOE, Sabah	April 2010
5.	Preliminary Site Assessment (PSA) for the Proposed 25MW Biomass Power Plant at Lahad Datu, Sabah	SD Resources Sdn Bhd	Air Quality and Odour, Meteorology	DOE, Sabah	September 2009
6.	Preliminary Site Assessment Report (PAT) for Proposed 120MT/Hr Palm Oil Integrated Complex in Lahad Datu, Sabah	SD Resources Sdn Bhd	Air Quality and Odour, Meteorology	DOE, Sabah	May 2009
7.	Preliminary Site Assessment Report (PAT) for Proposed 60MT/Hr Palm Oil Mill at Sukau, Kinabatangan District, Sabah	Sukau Palm Oil Mill Sdn Bhd	Air Quality and Odour, Meteorology	DOE, Sabah	January 2009
8.	EIS for Proposed 12MW Biomass Power Plant and 3MW Biogas Power Plant at Prolific Yield Oil Palm Mill in Sandakan, Sabah	Cepat Wawasan Group Berhad	Air Quality	DOE, Sabah	August 2008

Relevant Previous Assignments

Position	Project	Service	Country	Term
Consultant	Management of Joint Tower Project Among Malaysian Meteorological Service- University of Science Malaysia – University of Malaya on Atmospheric Boundary Studies.	Air Quality	Malaysia	Part Time
Consultant	Responsible for the processing, analysis and assessment of data in the Environment Studies Division.	Air Quality	Malaysia	Part Time
Consultant	Responsible for the distribution and supply of pollution data to all users.	Air Quality	Malaysia	Part Time
Consultant	Conduct studies and research on air pollution meteorology.	Air Quality	Malaysia	Part Time
Consultant	Inspection of air pollution stations in the MMS air pollution station network and selection of sites for new stations.	Air Quality	Malaysia	Part Time
Consultant	Develop air pollution numerical models for predicting air pollution potential.	Air Quality	Malaysia	Part Time
Consultant	Co-manager of Joint Project Among MMS-CSIRO-BHP to study acid deposition and corrosion correlation in the Klang Valley Region.	Air Quality	Malaysia	Part Time
Consultant	Coordinator of project to compile the national greenhouse gas inventory of Malaysia for the year 1990.	Air Quality	Malaysia	Part Time

CURRICULUM VITAE – LIM SZE FOOK

Position	Project	Service	Country	Term
Consultant	System manager for exestuation, visualization software for weather forecasting in the New Kuala Lumpur International Airport, Sepang, Selangor.	Air Quality	Malaysia	Part Time
Consultant	Preliminary Environmental Impact Assessment Report for Proposed Formaldehyde – Glue Resin Plant, Sejingkat Industrial Estate, Kuching, Sarawak, 1992, Perunding Utama Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Supplementary Environmental Impact Assessment (EIA) for a Proposed Quarry in Mukim Batu Near Kuala Lumpur. 2003, Alamsutria Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Preliminary EIA and Qra for the Proposed Expansion of Asean Bintulu Fertilizer (ABF) Plant at Bintulu, Sarawak. 2003, Chemsain Konsultant Sdn. Bhd., Kuching	Air Quality	Malaysia	Part Time
Consultant	Preliminary EIA for the Proposed GML Quarry of Limestone and Related Activities At KM 63, Semporna / Lahad Datu Highway Junction, Tawau, Sabah.2003, Chemsain Konsultant Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	EIA for the Proposed Installation and Operation of Smokeless Incinerator at Animal Quarantine Station, Jalan Patau-Patau, Wilayah Persekutuan Labuan, Malaysia. 2001, Chemsain Konsultant Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Preliminary EIA for the Proposed Limestone Quarry on Lots 38, 39 and 40, all of senggi Poak Land District, Kuching Division, Sarawak. 2003, Envisar Sdn. Bhd. Kuching, Sarawak.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA : Aalborg Asia White Sdn. Bhd., Pinji Industrial Estate, Pinji, Perak. 2003, Perunding Utama Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA : Proposed Coal Fired 2100 MW Power Plant, Tanjung Bin, 2003, Johor. Perunding Utama Sdn Bhd	Air Quality	Malaysia	Part Time
Consultant	Preliminary Environmental Impact Assessment: Proposed Combined Cycle 700 MW Power Station, Pulau Bunting, Kedah. 2003, Ecotone Management Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA for Proposed Scheduled Waste Incinerator at Proton Plant, Tanjung Malim, Perak. 2003, Chemsain Environmental Consultants Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Preliminary EIA for Proposed Limbang Airport Project, Limbang, Sarawak, 2000, EPR (Kuching) Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Preliminary EIA for Proposed New Bintulu, Sarawak, 2002, EPR (Kuching) Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA for Proposed Municipal Solid Waste Sanitary Landfill at Seelong, Senai, Johor, 2001, Asia Pacific Environmental Consultants Sdn. Bhd.	Air Quality	Malaysia	Part Time

CURRICULUM VITAE – LIM SZE FOOK

Position	Project	Service	Country	Term
Consultant	Detailed EIA for Proposed Integrated Domestic, Scheduled and Hazardous Waste Management Centre, Mambong, Kuching District, Sarawak. 2002, Chemsain Environmental Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA Report for the Helicopter Harvesting Project in Ulu Muda Forest Reserve, Kedah Darul Aman, 2003, WTK Holdings Berhad.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA for Proposed Jelutong Highway, Pulau Pinang. 1999, Perunding Utama Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA for Proposed Kajang to Seremban Highway, 1999, Perunding Utama Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA for Proposed Southern International Gateway and Tanjung Puteri Complex, Johor Baru, Johor. 1999, Asia Pacific Environmental Consultants Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Preliminary EIA for Proposed Custom, Immigration and Quarantine Complex, Johor Baru, Johor. 2002, Asia Pacific Environmental Consultants Sdn. Bhd.	Air Quality	Malaysia	Part Time
Consultant	Detailed EIA of the Proposed Development of Sanitary Landfill on Lot 968 and Lot 1000, Mukim Rawang, Daerah Gombak, Selangor Darul Ehsan. May 2003, MAB Environmental Consultants Sdn. Bhd.	Air Quality	Malaysia	Part Time

1. **Family name:** Geh
2. **Given names:** Poh Khong
3. **Date of birth:** 17 November 1948
4. **Passport holder:** Malaysian
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
University Of Alberta, Canada	Bachelor of Science (Geology)

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Malay	1	1	1
Chinese	-	3	-

7. **Membership of professional bodies**

Geological Society Malaysia

8. **Registrations:**

Environment Protection Department (EPD), Sabah: Registration No.: **S0099**

Natural Resources Environment Board (NREB), Sarawak: Registration No.: **NREB/I/00519**

Department of Environment (DOE) Malaysia: Registration No.: **SS0337**

9. **Present position:** Managing Director, GEM Exploration Sdn Bhd

10. **Years within the firm:** > 20 years

11. **Professional experience**

Period	Main Activities
1986 – Present	<p>A. Quarry investigation</p> <p>Feasibility studies, volume estimation, overburden calculation, and associated geotechnical studies including environmental impact assessments.</p> <p>Some of the projects undertaken are:</p> <ul style="list-style-type: none"> • Bukit Skaban - Sarawak • Bukit Bedus - Sibul, Sarawak • Eagle Quarry - Johore • Bukit Wa Ha Quarry - Johore • Bukit Lawang Quarry - Johore • Nilai Quarry - Negeri Sembilan • Kalimantan, Borneo, Indonesia • Bethelthaup Island, Palau, Micronesia. • EIA for the transmission line from Jimah Power station to Lenggeng to Olak Lempit, Negeri Sembilan, August 2004 <p>B. Engineering Geological Mapping</p> <ol style="list-style-type: none"> 1. Rawang Sanitary Landfill Project. Study of material and hydrogeological conditions of the area for waste disposal purposes. 2. Highway mapping - Preliminary surface mapping for slope stability evaluations <ul style="list-style-type: none"> • Bukit Merah Interchange area, Perak, Malaysia

Period	Main Activities
	<ul style="list-style-type: none"> • Bukit Temburong, Perak, Malaysia • Roban - Kayu Malam Road, Sarawak, Malaysia • Alor Pongsu-Parit Buntar, Perak., Malaysia. <p>3. Engineering geological mapping of proposed dam.</p> <p>4. Surface and subsurface mapping and supervision of geotechnical investigations.</p> <ul style="list-style-type: none"> • Proposed S. Kinta Dam, Perak • Proposed S. Kelalong Dam, Sarawak. <p>C. Slope Protection Works</p> <p>Investigation, design and supervision</p> <ul style="list-style-type: none"> • Transmission Towers in Serian, Sarawak (1994) • Transmission Towers in Bintulu, Sarawak (1995) • Transmission Towers in Sarikei, Sarawak. (1995) <p>Design of soil nailing works and supervision of construction of the soil nailing and related slope protection works such as sub-soil drains, shotcrete, turfing etc. in Serian and Bintulu.</p> <p>D. Hydrogeological Evaluation</p> <p>a. Borneo Mineral Water in Matang, Sarawak (1994)</p> <ul style="list-style-type: none"> • Groundwater testing and evaluation. Recommendation of production rates and evaluation of groundwater geochemistry <p>b. Hydrogeological evaluation in Mersing, Johore.</p> <ul style="list-style-type: none"> • Exploration for groundwater for the needs of a population of 10,000. <p>c. Hydrogeological evaluation in Penang</p> <ul style="list-style-type: none"> • Use of resistivity and geological mapping to determine areas of groundwater potential for mineral water plant. <p>d. Hydrogeological evaluation in Sarawak</p> <ul style="list-style-type: none"> • EIA for the Proposed Aluminium Smelter Project for Comalco, 2000. Geological mapping and soil sampling. • EIA study for the Proposed Sanitary Landfill at Bekenu (Sibuti), Miri Division, Sarawak, November 2001. Geological mapping and hydrogeological assessment. <p>e. Groundwater modeling for EIA projects – Sanitary Landfill at Broga, Negri Sembilan. DEIA on the Proposed Integrated Domestic Scheduled and Hazardous Waste Management and Disposal Centre at Mambong, Kuching Sarawak (August 2002). DEIA for the Proposed Alluminium Smelter Project, Similajau, Bintulu Sarawak (May 2003). Proposed Beroga Waste Treatment and Disposal Project, 2003-2004.</p> <p>f. Water Resource Study</p> <ul style="list-style-type: none"> • Proposed Pig Farming Area at Pasir Puteh, Simunjan, Sarawak, 2002-2003
1983 - 1985	<p>Borneo Highway project - Labu Lawas soil investigation, Brunei.</p> <p>Tutong Seria Dual carriageway, Brunei - soil investigation.</p> <p>Slope stability study - Kota Batu area, Brunei</p>
1981 - 1982	<p>Project management for Buroi Mining Sdn. Bhd. Design of potential mine pit and slopes, measurement of surface water discharge which is critical to pit and pitwall design. Studies included construction of a weir accross a stream.</p>

Period	Main Activities
1979	Geological and geotechnical logging of drill cores in a copper gold prospect in Sulewesi, Indonesia.
1976	Slope stability analyses and related geotechnical studies in Goonyella Mine. Studies include mapping of the highwall and prediction of slope problems. Monitoring the slope during blasting and after blasting the 50m highwall. The mine produced 5 million tonnes of coal annually, thus have engineering problems including dump of wastes, and stability of coal stockpiles, rippability characteristics of the highwall and the coal.
1973	Hydrogeological study - summer work in Edmonton, Alberta, Canada. Monitoring of waterwells and test pumping.

Environmental Impact Assessment (EIA) Undertaken:

No	Project Title and Location	Client	Task	Year
1.	EIA for Jalan Ng. Gaat/Merirai/Tunoh/Entawau/Putai, Bahagian Kapit, Sarawak (Pakej 1: Ng. Gaat/Merirai Termasuk Jambatan Merentasi Batang Boleh Di Ng. Gaat)	Jabatan Kerja Raya	Soil Erosion and Slope / Riverbank Erosion	Ongoing
2.	EIA for Jalan Meroh/Ulu Paku/Ng. Alum/Ulu Grenjang/Pakan, Bahagian Betong, Sarawak (Pakej 1: Ulu Paku/Meroh/Ulu Kuta)	Jabatan Kerja Raya	Slope Stability and Soil Erosion	Ongoing
3.	EIA for Proposed Upper Padas Hydroelectric Project, Sabah	Sabah Electricity Sdn Bhd	Geology	June 2010
4.	EIA for Proposed Lawas Dam Lawas, Sarawak	SEB, Sarawak	Geology	December 2009
5.	EIA for Proposed Limbang Dam Limbang, Sarawak	SEB, Sarawak	Geology and seismicity	August 2009
6.	Provision of EIA for Kumang Cluster Development Project (Phase 1)	Petronas Carigali Sdn Bhd	Review of Geological Component	February 2009
7.	Provision of EIA for Tangga Barat Cluster Development Project	Petronas Carigali Sdn Bhd	Geological Component	December 2008
8.	EIA for Aggregate Quarry Operation at Bukit Benoni, Papar, Sabah.	Hap Seng Building Materials Sdn Bhd	Soil Erosion, Slope Stability, Fly-rocks and Ground Vibration	November 2008
9.	DEIA for the Proposed SFI Pulp and Paper Mill Expansion in SFI Complex, Sipitang District, Sabah	Sabah Forest Industries Sdn Bhd	Groundwater Pollution Modelling	October 2008
10.	EIA for D1 Cluster Oil Fields (D30 and Dana) Development Project, Block SK 305, Sarawak	PCPP Operating Company Sdn Bhd	Desktop Review of Geological Component	September 2008
11.	Proposed Projek Membina Jalan Kota Marudu-Melinsau-Poring, Ranau, Sabah (110KM): Package 2 – Marak Parak to Togop (30KM).	Jabatan Kerja Raya	Soil Erosion Assessment & Slope Stability	June 2008

No	Project Title and Location	Client	Task	Year
12.	EIA for the Proposed Murum Hydroelectric Project, Belaga District, Sarawak	Sarawak Energy Berhad	Geology and Seismicity	April 2008
13.	EIA for Jalan Takan/Ng. Tekalit (12km), Song, Kapit, Sarawak	Jabatan Kerja Raya	Slope Stability and Soil Erosion	February 2008
14.	EIA for Jalan Selalang/Mudong (5km), Betong, Sarawak	Jabatan Kerja Raya	Slope Stability and Soil Erosion	February 2008
15.	EIA for Jalan Nanga Buai/Merinjau/Ulu Spak (22km), Betong, Sarawak	Jabatan Kerja Raya	Slope Stability and Soil Erosion	February 2008
16.	EIA for J4 and D21 Development Project	Petronas Carigali Sdn Bhd	Geological Component	December 2007
17.	EIA for Kuching City Central Waste Water Management System, Phase 1	Kumpulan-Nishimatsu-Hock Seng Lee Consortium	Geotechnical Review	October 2007
18.	EIA Proposed Projek Membina Jalan Kota Marudu-Marak Parak-Melinsau-Poring, Ranau, Sabah (110KM): Package 1 – Kota Marudu to Marak Parak (30KM).	Jabatan Kerja Raya	Soil Erosion Assessment & Slope Stability	October 2007
19.	EIA for the Proposed Pit Quarry Development at Bukit Kukusan Quarry, Tawau, Sabah.	Hap Seng Building Materials Sdn Bhd	Soil Erosion and Slope Stability	June 2007
20.	PEIA & QRA for the Proposed Bintulu Onshore Receiving Facilities (BORF – Site “B”), Bintulu, Sarawak	Murphy Sarawak Oil Co. Ltd	Geology, Soil, Seismicity and Hydrogeology	June 2007
21.	Project Description, Impact Assessment, Residual Impact, Environmental Management Plan and Conclusion Studies for EIA for Bintulu Onshore Receiving Facility, Bintulu, Sarawak	Petronas Research & Scientific Services Sdn. Bhd.	Hydrogeology / Groundwater Modelling	March 2007
22.	EIA for the Proposed Quarry Operation on Trig Kukusan (within Bukit Kukusan), Tawau, Sabah.	Hap Seng Building Materials Sdn Bhd	Slope Stability, Geology, Flyrocks & Vibration	January 2007

CURRICULUM VITAE

Name	Lawrence Fung Wei Chun
Date of birth	July 07, 1979
Nationality	Malaysian
Education	BSc. in Forestry (Management) Universiti Putra Malaysia.
Memberships	Registered Environmental Assistant Consultant, Department of Environment (DOE), Sabah (AC 0247) Registered Environmental Consultant, Environment Protection Department (EPD) EPD Reg (S 0149). -Expired : 14 Nov 2011
Key qualifications	Forester with experience in environmental survey, assessment and monitoring of coastal and terrestrial vegetation. In-depth user of GIS and remote sensing tools. Hydrographical survey, special knowledge in Side Scan Sonar. Member of Safety Site Supervisor (SSS) and registered with NIOSH.
Languages	English (good) & Malay (mother tongue)
Contact no	(+06) 014 350 2001
E-mail	Lwf.kkmy@gmail.com

Employment Record

Year	Firm	Position and responsibilities
Oct 2011- present	<i>Freelance</i>	Environmental Scientist , Environmental Services for Biology, Forestry, Socio-economic and Physical.
Dec 2005 - Oct 2011	DHI Water & Environment (M) Sdn Bhd	Environmental Scientist (Biology), Environmental Services. Hydrographical surveyor.
Jun 2004 – Dec 2005 (6 months contract)	DHI Water & Environment (M) Sdn Bhd	Survey team member & trainee.
Dec 2003 – May 2004	Indah Alam Konsult	Environmental consultant & field survey member.

Professional Qualification

Year	Certificate	Specialty/ abilities
2012	Certification of Safety and Health Officer	Certify Safety and Health Officer as Site Safety Supervisor
2011	NAUI worldwide-Advance Scuba Diver	Technical dive/ advance dive
2008	Shell Passport holder No:A18995	Offshore safety shell passport
2007	Tropical Basic Offshore Safety Induction and Emergency Training Inclusive of Travel Safely By Boat (OPITO)	OPITO
2003	International Open Water Diver (PADI) (0312A43861)	Recreational Diver

CURRICULUM VITAE

Project Experience Record

Year	Project	Position and activities
Nov 2011	Environmental Impact Assessment for the Proposed Water Supply Dam Project in Tawau. -Chemsain Konsultant Sdn Bhd	Field supervisor, Surveyor for environmental supporting in EIA of Terrestrial Vegetation, Impact assessment, GIS and baseline preparation.
Nov 2011	EIA for upgrading of Donggongon -Papar Spur Road (Package 2) - Eko Handal Sdn. Bhd, Kota Kinabalu.	Site supervisor, Surveyor for EIA component of Socio Economic, Biological survey and traffic Survey.
Oct 2011	EIA for the Proposed Karambunai Integrated Resort City (Phase 1), Golf Course and Waterfront Community on CL.045091174 at Karambunai, Menggatal, Kota Kinabalu, Sabah -Chemsain Consultant	Field supervisor, Surveyor for environmental supporting in EIA of Terrestrial Vegetation and GIS data.
Oct 2011	Brunei Hengyi PMB Petrochemical Project	Site supervisor, Surveyor for environmental supporting in EIA. Site Safety Officer. Terrestrial Vegetation
Aug 2011	Hydraulic Studies for Similajau Port EIA	Forestry /terrestrial survey /EIA/wind recorder
Aug 2011	Pahang Offshore Sand Source - Hydraulic Modelling	Hydrographical survey, sediment, ADCP, EIA, Reporting
Aug 2011	EMP Monitoring for Phase 1, Pengerang Petrochemical LNG Hub.	Hydrographical survey, sediment, ADCP, EIA and Terrestrial flora survey
Sept 2011	MH Tassal WQ Monitoring for Salmon fish farm, Tasmania, Australia.	WQ management & sampling
April 2011	EA Study for Disposal Site Pengerang	EMMP
Dec 2010	Pulau Tekong Mangrove site Coastal Protection, Singapore	Site supervisor and Environmental Daily Monitoring
Oct 2010	ADCP Measurements at Sipitang Hydraulic Study and Surveys for Chemical /Urea Plant at Sipitang, Sabah	Hydrographical survey
Aug 2010	Coastal Protection Study, Playa Union, Argentina	Hydrographical survey
Aug 2010	Hydraulic Studies for Similajau Port, Sarawak	Hydro survey
Jul 2010	Penang Reclamation DEIA –Site C	Hydrographical survey, Water Quality, sediment and Side scan sonar and benthos
May 2010	ADCP Measurements at Sipitang (Proposed Urea Plant)	Hydrographical survey, Water Quality and sediment
April 2010	Pengerang Port DEIA, Johor	Terrestrial flora survey for EIA
April 2010	EIA study for LRB Jetty, Johor	Hydrographical survey , Sub bottom profiler and EIA team member for flora

CURRICULUM VITAE

Year	Project	Position and activities
Feb 2010	Teluk Lipat Coastal Protection Study, Dungun ,Terengganu	Hydrographical survey
Jan 2010	Sandakan Subsea Pipeline Project	Hydrographical survey
Dec 2009	Melaka Dredging PEIA (DSA) HD & surveys	Hydrographical survey , Side Scan Sonar and water quality
Nov 2009	IPP Felda Sahabat Lahad Datu Hydraulic Modelling For DEIA	Hydrographical survey , Side Scan Sonar
Oct 2009	Ramunia Shoals Bathymetry Survey	Hydrographical survey
Oct 2009	Drainage Improvement Sandakan Education Hub	Surveyor
Oct 2009	PMM Fertilizer Jetty Lahad Datu	Hydrographical surveyor
Aug 2009	Navigational Dredging EIA, Sandakan	Hydrographical surveyor , Vegetation Survey and Report preparation
July 2009	Kuantan Port Hydraulic Modelling, Pahang	Ground Survey
July 2009	DEIA Teluk Rubiah Pellet Plant, Perak	Hydrographical survey & EIA team member for forestry component
June 2009	Reservoir Siltation Cameron highlands	Hydrographical survey
May 2009	Papar District Storm Water Management Drainage Master Plan	Side Scan Survey, Hydrographical survey & images processing
May 2009	Hydraulic Modelling Works for Sg. Kedayan, Brunei	EIA member
May 2009	Oman Fin-fish Site Selection Study	EIA team member , Forestry component, Hydraulic survey, Macro benthos survey
Mar 2009	Myanmar Sidescan and Subbottom profiling survey	Hydrographical survey
Feb 2009	Muara Container Terminal EIA, Brunei	Hydrographical survey & EIA team member
Dec 2008	Lawas Hydro Dam EIA	Hydrographical survey & vegetation survey and EIA team member for Forestry section
Sept 2008	Malacca ISMP	Side Scan Survey, Hydrographical survey & EIA team member for terrestrial flora section
Sept 2008	Similajau Port Masterplan Sarawak	Hydrographical survey
Aug 2008	39 storeys Commercial Complex, Tawau	Hydrographical survey
Aug 2008	Hydrographic Survey, Labuan	Side Scan Survey, Hydrographical survey & images processing
Jul 2008	EIA for the Proposed Agroforestry (lot3) in Bonggaya Forest Reserve	EIA team member for Forestry section
Jun 2008	Special EIA for Upper Padas Hydroelectric Project	EIA team member for Forestry section
Jun 2008	Pulau Indah Dredging Numerical Modeling	Side Scan Survey, Hydrographical survey & images processing

CURRICULUM VITAE

Year	Project	Position and activities
Jun 2008	Bintulu Port Sedimentation Study	Hydrographical survey
Jun 2008	Sarawak Side Scan Sonar Bintulu Pipeline	Hydrographical survey & Data processing
May 2008	Perak FRIA Genormar, Perak	Side Scan Sonar and Hydrographical Survey
Mar 2008	Kudat open ocean fish cage study	Hydrographical survey & Data processing
Mar 2008	Labuan intergrated Port Hydrulic study	Hydrographical survey & Data processing
Jan 2008	Malacca ISMP	EIA Team member & Hydrographical survey
Dec 2007	Minahas 2 x 55MW CSFPP, Sulawesi.	Hydrographical survey
Dec 2007	Labuan Fish Cage and Hatchery Site Assessment	Assistant auditor EIA
Nov 2007	Tg. Dawai Fabrication Plant for Oil Rig, Kedah	Water quality survey
Oct 2007	Kuala Terengganu AirPort Extension	Hydrographical and water quality survey
Sept 2007	Tg.Dawai Sand Source SSS	Hydrographical survey
Aug 2007	Mersing River mouth study	Hydrographical survey
Aug 2007	Kuala Terengganu Airport Reclamation	EIA Field investigation
July 2007	Labuan Fish Cage and Hatchery Site Assessment	Hydrographical survey
Jun 2007	Mukah Rivermouth Study	Hydrographical survey
Jun 2007	Boustead Naval Shipyard Lumut	Hydrographical survey
May 2007	Penang Reclamation Site A & D	Hydrographical survey
May 2007	Petronas SOGT Sand Source_Chemsain	Hydrographical survey
May 2007	Sandakan Oil Jetty (post -audit)	Hydrographical survey & EIA
April 2007	Kuantan Reclamation	Surveyor
April 2007	Negeri Sembilan ISMP	Data Processor
March 2007	Apas-Balung Water Treatment Plant	EIA & Sand source surveyor
March 2007	Sungai Papar River Mouth Study	Hydraulic Surveyor
Feb 2007	Mersing Laguna EIA	Hydrographical survey & EIA
Jan 2007	Hydrodynamic Investigations at Lake Wadaslintang Java	Hydrographical survey
Dec 2006	Penang Bridge EMP Surveys	Surveyor & data processing
Dec 2006	Sg Salut Dredging Hydraulic and Field Survey	Processing data for GIS & Mike Marine
Nov 2006	Pulau Banggi Water Treatment Plant	Hydrographical survey
Oct 2006	KKIA Reclamation Hydraulic Studies	EIA team member & Hydrographical survey
Aug 2006	Labuan Mega Methanol Jetty EIA	EIA team member & Hydrographical survey

CURRICULUM VITAE

Year	Project	Position and activities
Aug 2006	Apas-Balung Water Treatment Plant	EIA team member & Hydrographical survey
Aug 2006	Sandakan Barter Trade Terminal EIA	EIA team member & Hydrographical survey
Aug 2006	Labindo Sand Resource Study Labuan	Hydrographical survey
Aug 2006	KKIA Sand Source EIA	Site supervisor, hydrographical surveyor & environmental consultant
Aug 2006	Labuan Mega Methanol Jetty EIA	Team member in ADCP survey & soil sampling.
July 2006	Clinker Plant (Balambangan Island)	Team member in Terrestrial Vegetation survey and Water Quality survey.
July 2006	Sipatang Water Supply	Monthly Data collector
July 2006	Jimah Feedback Monitoring	Mangrove surveyor and Hydraulic Study trainee for EIA preparation.
July 2006	Sapangar Bay Clinker Plant, Balambangan	Team member in Terrestrial Vegetation and Socio-economic Surveyor for EIA preparation.
July 2006	Kuantan Reclamation EIA & modelling study , Pahang	Site supervisor, hydrographical surveyor & environmental consultant
June 2006	Tumpat Reclamation Impact Assessment, Kelantan	Surveyor for environmental supporting for EIA
May 2006	Sg.Duyong River Study , Melaka	EIA/ Surveyor/ Terrestrial Vegetation/ Hydrographical survey
April 2006	Nenasi River Mouth Study Pahang	Hydrographical survey, sediment, ADCP, EIA, Reporting
March 2006	Silam Power Station, Lahad Datu	Hydrographical survey, sediment, ADCP
Feb 2006	Kunak Oil Jetty EIA	Hydrographical survey, Side Scan Sonar survey
Feb 2006	RM Navy Base Ext. Road	Hydrographical survey
Jan 2006	Police Beach EIA	Forestry /terrestrial survey /EIA/wind recorder
Dec 2005	Sandakan Oil Jetty EMMP	Hydrographical survey, EMMP
Sept 2005	Lahad Datu Palm Oil Jetty Hydraulic Study	Hydrographical survey
Sept 2005	Kota Belud Water Supply EIA	EIA Member
Aug 2005	Kota Kinabalu Port Redevelopment EIA	EIA/ Surveyor/ Terrestrial Vegetation/ Hydrographical
Aug 2005	Asian Supply Base, Labuan.	EIA/ Surveyor/ Terrestrial Vegetation/ Hydrographical

CURRICULUM VITAE

Year	Project	Position and activities
Aug 2005	Labuan Reclamation and Sand Source EIA	Surveyor for environmental supporting for EIA
2005	Sandakan Oil Jetty EIA	Forestry /terrestrial survey /EIA/wind recorder
2005	Improvement of Lido Drainage Basin at Penampang	Hydrographical survey, sediment, ADCP, EIA, Reporting
2005	Sapangar Bay EMMP Implementation	Hydrographical survey, sediment, ADCP
2005	South Pahang Shoreline Management Plan	Hydrographical survey, Side Scan Sonar survey
2005	EIA at Labrador Nature Reserve, Singapore.	Hydrographical survey
2005	Shoreline Management Plan for East Coast of Sabah and updating of West Coast.	Hydrographical survey, sediment, Temperature
2004	Shoreline Management Plan for East Coast of Sabah	Hydrographical survey
2004	TVE-PTekong Joint Study for Environmental Impact Assessment (Monitoring)	Hydrographical survey and Mangrove component
2004	Special Environment Impact Assessment (SEIA) For The Proposed Sino-Malaysia JV Forest Plantation At Kalabakan and Gunung Rara Forest Reserves, Tawau, Sabah.	EIA Consultant

Training, Symposiums and Workshops Attended

Year	Participation	Activities
Aug 2009	Environmental Impact Assessment (EIA) Induction Course by Department of Environment (DOE)	Participant
May 2005	Statistical course for Marine and costal vegetation purposed, Bangkok.	Training and polishing skill in analysis data with the proper experimental design with the statistic calculation.



1. **Family name:** KOFOD
2. **First names:** Eivind Oluf
3. **Date of birth:** 27/09/1946
4. **Passport holder:** Danish
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
Royal Vet. & Agric Univ, Copenhagen (1970-1976)	M.Sc. (Forest and natural resources management)

Other Training	
Year	Subject and place
1999	Quality Assurance, Rambøll
1993	Quality Assurance, COWI
1987	Project Management, COWI
1968-1970	Mathematical analysis, Technical University of Denmark
1966-1988	Sergeant, Royal Artillery, Denmark. Radio communication networks

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Danish	1	1	1
English	1	1	1
French	3	3	3
German	3	4	4
Indonesian/Malay	3	3	4

7. **Other skills:**

MS Word, Excel: Advanced level
PowerPoint, MS Access, MapInfo, ArcView: User level
PADI Certified scuba diver: Advanced level

8. **Present position:** Freelance consultant - Registered EIA consultant in Sabah and Sarawak (NREB/I/00666) (Malaysia)

9. **Years within the firm:**

10. **Key qualifications:**

- 30 years working with development projects related to rural development, forestry, environment and regional planning
- More than 20 years team leader experience including EC projects (formulation, implementation and reviews)
- Extensive experience from SE Asia including Vietnam.
- Experience from governance and decentralisation issues.



- o Experience from management of several rural development and natural resources management: participatory planning, infrastructure planning, institutional planning, and development, regional planning, livelihoods improvement, off farm employment, business development, forestry, plantation establishment, Environmental assessment, gender issues, public health, minority groups, decentralisation in public service, GIS, agricultural development, etc.;
- o Experience from: natural rain forests, plantations (large scale commercial as well as community), mangroves, swamps, hill forests and extreme arid areas.
- o Experience with all aspects of the project cycle including the Logical Framework Approach.
- o Has three times as CTA taken over large projects that needed redirection in management or implementation focus.
- o Experienced in setting up complex projects as well as formulating exit strategies and hand over plans.

11. Specific experience in the region:

South East Asia

Country (Asia)	Year
Indonesia	2009/2010, 2007, 2002-2004, 1982-1985, 2006, 2005, 2002, 2001, 2001
Malaysia	2009-2010, 2007, 2005, 1998-2001, 1995-1998, 1977-1980
Philippines	2008, 2001, 1994,
Vietnam	2007-2008, 2005-2006, 2000-2001, 2000, 2000, 1993
Cambodia	2000
Thailand	2008, 2007
Laos	2008
China	2008
Papua New Guinea	2007

Africa

Country (Africa)	Year
Liberia	2007
Tanzania	1994
Ethiopia	1993
Sudan	1988-1993
Somalia	1888
Ivory Coast, Ghana, Nigeria, Cameroon	1981, 1982

12. Professional experience

(Note: References may be from contracting company, recipient, counterpart organisations etc.)

Note: 'CTA duties' is inserted on long term posts to cover: setting up, implementing and supervising project administration; Staff mobilisation guidance and internal training to multi disciplinary staff, mostly covering forestry, agriculture, rural development, governance, institutional development, GIS; environmental affairs, river management; wildlife; sociology; ethnic minorities. Project planning and budgeting, LFA training, management information systems and internal evaluation. Reporting, report editing.)



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
03-11 2011	Malaysia	Chemsain Konsultant Brian Chong Consult@Chem sain.com	Team Leader, Monitoring specialist	Revision of the environmental mitigation measures and compliance reporting system for forestry in Sabah. The project includes writing standard operation al procedures, reporting systems, a system for rapid assessment and referential databases. The project, which is financed as part of the EU FLEGT programmes, is an update of earlier DANCED EIA procedures.
04-05 2010	World	Italtrend Paolo Corazza FWCOMLOT2@i taltrend.it	Assessor Project proposals	FWC Commission Lot 2. Evaluation of Proposals /(Full applications) received within the framework of the Call for Proposals for the "Thematic Programme for Environment and Sustainable management of Natural Resources, including Energy"
2009 07 – present	Malaysia	Chemsain Konsultant Brian Chong Consult@Chem sain.com	International advisor, reviewer	Introduction of international standards in all aspects of consultancy work of Chemsain. Staff training and capacity development, introduction of a Quality Assurance system, International marketing. Particular attention paid to the WB social and environmental safeguard policies, UN Declaration on Indigenous Peoples. Coordinating large SEIAs for forestry, river management, hydroelectric dams. Overseeing introduction of good governance, transparency and participation (Equator principles and IFC requirements) in SEIAs for large hydroelectric dams in Sabah and Sarawak. Providing technical input for public administration, land use, forestry, greenhouse gas emission and much more. CTA duties.
2009-2010 4 monhs	Indonesia	Indufor jyrki.salmi@ind ufor.fi	Impact Evaluation / Lessons Learned Expert <u>Implementation</u> EC Indonesia FLEGT support Project:	Internal project assessment and training of stakeholders in assessment methodologies. EC Formulating exit strategy for all activities, internal impact assessment for Forest governance focused support project. 4 1-month consultancies 2009 and 2010.



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
03 2008	(Home)	Gitec himsel@gitec-consult.de	<u>Tender writing</u> Joint FC-TC Feasibility Study (FS) for the Indonesian-German Forest and Climate Change Programme (FC and TC module).	Provided input to technical tender concerning pilot projects for the REDD system in Indonesia. Included an overview of policies and institutional mandates.
12/2007 – 12/2008	Vietnam	Sinclair Knight Merz Andrew Counihan ACounihan@skm.com.au	Team Leader/Senior Plantation Specialist <u>Implementation</u> Forest Sector development, Package II WB	Team leader of 17 TA staff advising the government organisations on support to the establishment of 66,000 ha farm forestry as part of the Government's food security efforts. As senior silviculturist advised on silvicultural and economic modelling, decentralisation and governance, institutional analysis and training, FSC group certification, economy, business planning, market analyses, extension systems, land use and land allocation, and GIS. Set up team logistics, management and administration. CTA duties.
10/2007 – 05/2008	Asia including China and Vietnam	AFC/IBF barbara.braun@afci.de	Consultant (one-man mission) <u>Project definition</u> Formulation Study: ASIA FLEGT Support Project EC	Investigated through desk studies and country visits to target countries illegal logging and timber trade issues and formulated a 6-mio Euro FLEGT support project for Asia: Wrote a Project Identification Fiche including strategic options for financing modalities, grant allocation and institutional responsibilities. The project focuses on regional cooperation within governance in relevant sectors concerning forestry and international trade. TL duties
08/2007 – 09/2007	Thailand	Niras Karen Alexandra Soboleosky KAA@NIRAS.dk	Team Leader/ Protected Area Mngm. Specialist <u>Evaluation</u> Sustainable Management of Phu Khieo Wildlife Sanctuary; EC.	Final evaluation: Evaluated a project that had undergone serious management difficulties and which was now being prematurely terminated. Evaluation concerned particularly management issues in a project that introduced participatory approaches to sanctuary protection. TL duties.



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
11/2006-07/2007	ACP/Europe	NIRAS Consortium/AD E Karen Alexandra Soboleosky KAA@NIRAS.dk	Team Leader <u>Study</u> Formulation Study: FLEGT Support Project for the ACP Countries; EC/ACP Secretariat	Analysed the extent and impact of illegal forestry operations in ACP countries (Case studies in Papua New Guinea, Liberia and Guyana) and proposed strategic options for a Forest Law Enforcement, Governance and Trade support project including options for institutional modalities, grant allocation. Produced i.a. a Financial Proposal in EC format. The project proposal focused on good governance in the form of local ownership and initiatives, finding solutions to social and governance issues as well as the establishment of a business environment conducive to legal and sustainable business. TL duties.
08-09/2006	Indonesia	ItalTrend Silvia.Prodi@italtrend.it	Environmental specialist <u>Evaluation.</u> Mid term evaluation of projects funded by the Multi Donor Fund for Aceh and Nias; EC,	Evaluated 15 projects for the reconstruction after the Asian tsunami and earth quakes. Focused on social and environmental issues and project management systems within each project and within the overall programmes. At the centre of each project was the right to self determination by local communities, re-establishment of livelihoods, food security and the joint responsibilities between the donor communities and local authorities.
09/2005 - 04/2006	Vietnam	Scanagri Gladys.Savolainen@niras.fi	Interim CTA <u>Implementation</u>	Quang Tri Rural Development Programme, Finida Changed a former field oriented rural poverty reduction programme to be a result oriented capacity change institutional development programme. The programme dealt with government services within infrastructure, farm and off farm livelihoods development, public health, natural resources management and environmental stability. The central issue was grassroot democracy, self determination, food security and joint governance at local level. The programme covered coastal as well as remote mountainous areas inhabited with majority groups as well as numerous ethnic minorities. CTA duties



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
2005	Malaysia	Chemsain Brian Chong +60168630537	Team Leader <u>Study</u>	Environmental Impact Assessment of 500,000 ha forest conversion and plantation establishment: Government of Sarawak. The central key issue was mitigation of social impacts, tenure issues and establishment of procedures for conflict resolution and local distribution of benefits. TL duties.
06-07/2005	Indonesia	MWH Gareth.Ward@ nz.mwhglobal.c om	Team leader <u>Study</u>	Country Environmental Profile; EC Team leader of a mission to analyse the state of the environment and environmental management in Indonesia as part of a renewal of the EC Country Strategy Paper. Decentralisation and governance were key determinants for the institutional assessment. TL duties.
2002 - 2004	Indonesia	Jaakko Pöyry Silver Hutabarat silver@dephut.c bn.net.id	EC Co-Director <u>Implementation</u>	South and Central Kalimantan Production Forest Project , Phase II, EC Re-focused a project to include result oriented capacity change in government offices in order they could create an 'enabling environment' for commercial forestry through decentralisation and government reform. Worked with initially two, later 3 private concessions in order to institutionalise sustainable forest management, combat illegal activities, reduce conflicts with local communities and increase local benefits from the forest resources. The prospects of forestry certification were introduced as central issues. CTA duties.



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
01-04/2002	Indonesia	AGRER frank.feys@agr er.com	Forestry Planning Consultant <u>Implementation</u>	South and Central Kalimantan Production Forest Project; EC Establishment of a 40-year strategic management plan for sustainable management of a 92,000 ha commercial forest concession (PT Aya Yayang Indonesia, the Barito Group, South Kalimantan) in accordance with Indonesian Government regulations as well as all requirements of ITTO and FSC for sustainable forest management and forestry certification. The project had over three years compiled a considerable amount of information, and developed certain methodologies, which had to be compiled into a plan aimed for government approval as well as FSC certification.
01-02/2001	Indonesia	Deutsche Forst Service christian.schade @dfs-online.de	Forestry Consultant <u>Mid Term Review</u>	Mid Term Review, Forest Liaison Bureau; EC Mid term review of management support structures for the European Commission funded forestry programme in Indonesia
09-11/2001	Philippines, Indonesia	Danish Management Jørn Lykov jorn.lykou@de m.dk	Forestry Consultant <u>Result Oriented Monitoring</u>	Result Oriented Monitoring of European Union supported projects, Philippines, Indonesia; EC Monitoring of the progress, relevance, efficiency, effectiveness, impact and sustainability of three rural development projects in the Philippines and two projects in Indonesia:: <ul style="list-style-type: none"> ▪ Central Cordillera Agricultural Programme, Phase II (CECAP) ▪ Economic Self Reliance Programme – Caraballo and Southern Cordillera Agricultural Development (CASCADE) ▪ Mt. Isarog Integrated Conservation and Development Project ▪ Forest Inventory and Monitoring Project (Pan-Indonesian) ▪ Berau Forest management Project (East Kalimantan)



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
06/2000 - 01/2001	Vietnam	Rambøll Karen Uldall Baatrup klb@ramboll.dk	Forestry Consultant <u>Evaluation</u>	<p>Evaluation of the Mountain Rural Development and Forestry Cooperation Programmes;SIDA</p> <p>Evaluation of 10 years of Swedish (SIDA) support to the forestry and mountain rural development sectors in the provinces of Phu Tho, Yen Bai, Lao Cai, Ha Giang and Tuyen Quang, Northern Vietnam. Investigated on behalf of SIDA the long term effect of the last 10 years of support to the five Northernmost provinces in Vietnam. Analysed the cause-effect of the disappearance and re-emergence of forest cover, the effectiveness of Swedish aid compared to Vietnamese Government programmes, the influence on forest cover of external factors such as agricultural production patterns, government policies and global markets.</p> <p>The programmes originated from the support to the Ban Bai Pulp and Paper Mill and the mission also analysed the effectiveness of production of industrial wood from small scale farmers.</p>
03/2000	Vietnam	Demex	Editor <u>Review, Appraisal and Screening</u>	<p>Review, Appraisal and Screening of Selected projects under the Program for Danish Environmental Assistance (DEA) to Vietnam; Danida</p> <p>Edited and substantially rewrote Project Document for the project: 'Rehabilitating the Environment : Mine and Unexploded Ordnance (UXO) Clearance in Quang Tri Province, Vietnam'. Provided Quality Assurance for appraisal report.</p>
09/2000	Cambodia	Rambøll Karen Uldall Baatrup klb@ramboll.dk	Forestry and Land Use Consultant <u>Appraisal</u>	<p>Appraisal of the National Capacity Development Project; Danida</p> <p>Appraisal of a national project to improve governmental management of Cambodia's natural resources and to coordinate Danish aid to the natural resources and spatial planning sectors.</p>



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
1999 - 2001	Malaysia	Singhai Management Eric Juin +60198616722	Team Coordinator <u>Implementation</u>	16 Environmental Impact Assessments of forest operations: Private clients Responsible for description of present state of the biological environment, soils, topography and to some extent hydrology. All assessments included social impact assessments. Establishment of EIA matrix, impact assessment, mitigating measures within forestry operations incl. civil works. Identification of critical areas. Establishment of monitoring programme. TL duties.
11/1999 - 01/2000	Vietnam	Rambøll Karen Uldall Baatrup klb@ramboll.dk	Forestry and Project Management Advisor <u>Review, Appraisal and Screening</u>	Review, Appraisal and Screening of Selected projects under the Program for Danish Environmental Assistance (DEA) to Vietnam; Danida Appraised/redefined protected area/watershed management/rural livelihood projects in Northern Central Vietnam and wrote new Project Document combining what previously were two separate project proposals. Participated in pipeline review of green and brown project proposals.
10-11/1999	Malaysia	Rambøll Karen Uldall Baatrup klb@ramboll.dk	Protected Area Management Advisor <u>Appraisal</u>	Support to Wildlife Master Plan Implementation Through Improved Management of Totally Protected Areas; DANCED Provided project management and Protected Area Management input to an appraisal of project that aimed at institutional development, management training and establishment of management plans for four national parks, Emphasis was on joint management at lowest possible level between government and local communities, introduction of GIS in the parks and upgrading of the Miri National Parks Office.
10/1999	Malaysia	Ornis Jan Durinck jan@durinck.dk	Management Advisor <u>Implementation</u>	Management of Maliau Basin Conservation Area; DANCED Provided support to the Project Management Group during initial month of the inception phase. The support concerned project organisational set-up, time scheduling, budgeting, infrastructure and logistics. Some overlap with above assignment.



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
09/1995 - 12/1998	Malaysia	COWI Jan Kieler jmk@cowi.dk	Chief Technical Advisor/Team leader <u>Implementation</u>	Sabah Biodiversity Conservation Project; DANCED Co-managed with the WWF Malaysia a project to increase capacity at state level to define and manage biodiversity issues and protected areas. The efforts included buffer zone management and introduction of joint management with local communities. The project was instrumental in the formation of the Sabah Department of Environmental Protection. CTA duties.
03-04/1995	Philippines	Cowi Jan Kieler jmk@cowi.dk	Watershed and Forest Management Advisor <u>Implementation</u>	Aurora Integrated Development Project; EC Defining and compiling provincial sector plans as well as integrated action plans for comprehensive regional planning. This included a total review of government staffing, financing and general approach. Surveyed a number of watersheds in order to make recommendations regarding integrated land use of protected as well as non-protected watersheds. Working plans were made for commercial community forestry approach. This involved erosion control, enrichment planting, contracts for silvicultural treatment, harvest, rattan production and marketing. The project was the second phase of a project to establish and implement a regional development plan for the Aurora Province North East of Manila. Sector plans were made for all government departments and initiatives to implement these were funded and supported with staff.



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
07/1994	Tanzania	Cowi Jan Kieler jmk@cowi.dk	Team Leader <u>Evaluation</u>	<p>Irringa Water Supply; Danida</p> <p>Evaluated with a team including a hydrologist and a sociologist the environmental and sociological side of a large gravity fed water supply project in southern Tanzania. Surveyed a large number of catchment areas in order to make recommendations for land use practices to be allowed or works needed for the protection of the water intakes. The sociological problems around cattle grazing were addressed in order to protect the water quality from coli infestation. Studied in depth the management of the water supply systems as well as the project's extension approach.</p> <p>The project had established a large number of gravity fed water supply systems for remote villages. This required water intakes outside the villages' own domain and long transmission lines. The project faced problems with nomadic herdsmen grazing their cattle in and around the water intakes as well as difficulties with village management of transmission systems.</p> <p>The evaluation team also investigated reports on financial irregularities. TL duties.</p>



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
10/1993	Ethiopia	Cowi Jan Kieler jmk@cowi.dk	Forestry Consultant <u>Review</u>	<p>Review of the Northern Fuelwood Project; SIDA</p> <p>Member of review team assessing the effectiveness of management and implementation of large forestry extension project in northern Ethiopia. The project management approach and administration was studied in detail and a proposal was made for how to overcome accumulated problems. These had had an effect on field effectiveness, wherefore working plans and budgets were adjusted to a realistic level, suited to the sociological approach selected by the project sociologist.</p> <p>Assessed in detail the positive and negative impact on the environment of the project activities.</p> <p>Reviewed proposals for inclusion of additional project activities, i.e. outside the original scope of the project, in the Semien Mountains. Made in this connection a rapid survey on foot and mule of the 3,500-4,000 meter high plateau.</p>
10/1988 - 06/1993	Sudan	Cowi Jan Kieler jmk@cowi.dk WI	CTA Team Leader <u>Implementation</u>	<p>Afforestation and Reforestation in the Northern region, Danida/UNSO</p> <p>The project set up committees in villages along the Nile River for the purpose of planting shelter belt systems against moving sands and desert encroachment. Provided technical and institutional support and training. CTA duties</p>
03→06/1988	Somalia	Cowi Jan Kieler jmk@cowi.dk	Project Manager/Team leader <u>Implementation</u>	<p>Irrigated Fuelwood Plantations, Mogadishu/Merkka; Danida/Unso</p> <p>Short term project manager while site manager not available. Supervised the planning stage of a 5000 ha irrigated fuel wood plantation south of Mogadishu. The planning addressed land acquisition problems, soil and water balances, irrigation models and growth forecasts for various silvicultural models. Water from the Shebele River proved the limiting factor for the desired level of fuelwood production. CTA duties</p>



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
11/1986 - 09/1988	Sudan	Cowi Jan Kieler jmk@cowi.dk	Project Supervisor	Afforestation and Reforestation in the Northern State; Danida/UNSO Mobilised and supervised the implementation of large project to combat desertification in the Northern Sudan. Co-ordinated staffing and provision of funds, materials and equipment as well as on-site assistance to the manager concerning budgeting, planning and reporting
11/1986 - 02/1988	Somalia	Cowi Jan Kieler jmk@cowi.dk	Project Supervisor	Irrigated Fuelwood Plantations, Mogadishu/Merkka; Danida/UNSO Mobilised and supervised the inception phase of large irrigated fuel wood project in Somalia. Co-ordinated staffing and provision of funds, materials and equipment. Made locally all arrangements for logistics and counterpart support.
06/1983 - 03/1985	Indonesia	Kampsax (Company bought by COWI)	Component leader, Forestry Consultant <u>Implementation</u>	Transmigration III, Kalimantan, World Bank Investigated the potential for agricultural settlements in large tracts of rain forests. Made forest and biodiversity inventories and mapping of 750,000 ha including estimates for forest growth potential. Planned settlements including utilisation of non-timber forestry products, tree crops, clearing methodologies and disposal of clearing debris.
06→09/1982	Indonesia	Kampsax (Company bought by COWI)	Forestry Consultant Component Leader <u>Implementation</u>	Transmigration II, Kalimantan Responsible for forest mapping and inventory of 20,000 ha Hill Dipterocarp forest. The exercise included extensive use of aerial photo interpretation. The forests, forest industries as well as local importance were classified and recommendations were made to the areas' future use. Particular considerations were taken to the possible existence of rare or protected flora or fauna in the area.



Date from - Date to	Location	Company reference person (name & contact details)	Position/ Type of mission	Description
1981 - 1982	Senegal, Ivory Coast, Ghana, Nigeria, Cameroon, Malaysia, Indonesia and the Philippines	Danida Forest Seed Centre	Research Assistant <u>Implementation</u>	Teak and Gmelina research; Danida Participated in a group of researchers travelling through all climatic zones of Senegal, Ivory Coast, Ghana, Nigeria, Cameroon, Malaysia, Indonesia and the Philippines assessing provenance trials of Teak (<i>Tectona grandis</i>) and Gmelina arborea.
02/1977 - 06/1980	Malaysia	FAO	Associate Expert <u>Implementation</u>	Sarawak Forest Industries Development Project, FAO Conducted large scale ecological studies resulting in a silvicultural system for rehabilitation of logged over forests and for future mixed rainforest management. Established a mathematical growth model for natural mixed stands facilitating modelling different scenarios.



1. **Family name:** Chang
2. **Given names:** Peter
3. **Date of birth:** 8 July 1956
4. **Passport holder:** Malaysian
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
University College of North Wales	Bachelor of Science (Hons) in Marine Biology and Zoology

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Malay	3	2	3
Chinese	-	3	-

7. **Other qualifications:**

Shotfirer - Jabatan Galian Malaysia – Serial No. 10105

Master Instructor – Professional Association of Diving Instructor (Padi), USA P.A.D.I. No M.I.

Medic First Aid Instructor, PADI, USA

Specialty Instructor – Underwater Naturalist, PADI, USA

Specialty Instructor – Research Diver, PADI, USA

Specialty Instructor – Night Diver, PADI, USA

Specialty Instructor – Underwater Navigation, PADI, USA

Specialty Instructor – Deep Diver, PADI, USA

Specialty Instructor – Diving Equipment, PADI, USA

Specialty Instructor – Drift Diver, PADI, USA

8. **Registrations:**

Environment Protection Department (EPD), Sabah: Registration No.: **S0003**

Natural Resources Environment Board (NREB), Sarawak: Registration No.: **NREB/I/00416**

9. **Present position:** Freelance consultant

10. **Years within the firm:**

11. **Professional experience**

Period	Employer	Position and Project Involved
2004 – Present	<i>Sea Oracle Sdn. Bhd. and Sea Oracle Management Sdn. Bhd.</i>	Director <ul style="list-style-type: none"> » Langkawi Underwater World Sdn. Bhd., Langkawi, Kedah, Malaysia – Consultant on Life Support System and Water Treatment Facilities » University Sabah Malaysia Aquarium Centre, Kota Kinabalu, Sabah, Malaysia – Consultant for Life Support System and Seawater Supply System » Nautilus Aquarium, Mumbai, India – Individual Shopping Mall Aquariums in Mumbai and Hyderabad – Consultant » Okay Aquatics Pte. Ltd, Turkey – Aquarium projects in Istanbul and Ankara.



Period	Employer	Position and Project Involved
2001 – 2007	<i>Kontraktor Komtrosan Sdn. Bhd. & Borneo Network Sdn. Bhd.</i>	<ul style="list-style-type: none"> » Property Development and Building Contractor » Environment Impact Assessment Studies and Monitoring
1992 – 2006	<i>Kota Aquatics Supplies and Services Sdn. Bhd.</i>	<ul style="list-style-type: none"> » Supplies and Consultancy Services in the Aquaculture Industry » Supplies and Consultancy in the Fisheries Industry » Professional Diving School and stockist for SCUBA Equipment » Diving and Fishing Tours
1985 – 1992	<i>Agri-Hort Services Sdn. Bhd., Selangor - Management and Consultancy Services for Aquaculture and Intergrated Framing</i>	<p>Projects Consultants and /or managed :</p> <ul style="list-style-type: none"> » Chin Aquaculture Sdn Bhd., Kedah – planned start-up and operates for 2 years. - Prawn and Fish Breeding & Farming » Sungai Buloh Intergrated Farming Sdn Bhd, Selangor – plan, start-up and operate - Intergated Freshwater Fish, Poultry and Vegetable Farming. » Gurtrie Aquaculture Sdn Bhd., Johore – design and implement-Prawn Farming. » Pulau Kretam Cooperative of Fish Farmers – implement new technique as a Consultant – Fish and crab Farming » United Nation Development Program (UNDP) – Fish Breeding in Kuala Muda, Kedah and Songkra, Thailand. » China’s Coastal Management Resources Study - Joint China’s Cooperative Board and Lipkland Co.’s Study. » South China Sea Deep Sea Fisheries Resources Survey - Joint between the Malaysia Fisheries Dept and Lipkland Co. and Mavico Ltd. of the Philippines. » Papua New Guinea Coastal Resource Management Survey and Study - P.N.G. Cooperative Authority and Lipkland Co.
1984 – 1985	<i>Syt. Pelihara Udang Sdn Bhd Tawau</i>	<p>Project Director</p> <ul style="list-style-type: none"> » Design, implement and operate a prawn farm in Tawau
1979 – 1984	<i>State Fisheries Department</i>	<p>Fisheries Officer</p> <ul style="list-style-type: none"> » Aquaculture: Freshwater fish, seaweed and prawns. » Red Tide Monitoring » Artificial Reef Program

Experiences in Scientific Expedition and Affiliations

Year	Projects
1980	Semporna and surrounding Islands Marine Survey - World Wildlife Fund ~ Project Camp Coordinator and Diver Scientist
1982	Reef Survey for Site Suitability for Seaweed Farming, Ko-Nelayan, Sabah ~ Project Leader
1982	Red Tide Survey – West Coast Sabah , Fisheries Department ~ Project Leader



Year	Projects
1984	Petagas Peninsula Sand Shift Study - Aqua Life ~ Field Coordinator
1989	Sabah Conservation Study Master plan - Sabah Government and World Wildlife Fund for Nature ~ Section on Marine and Coastal Conservation
1991	Oxford University Coral Reef Survey for Sabah ~ Advisor and Logistic
1991 – 1994	Raleigh International Malaysian Expedition ~ Advisor and Planner for Coral Reef Survey Project

Special Environmental Impact Assessment (SEIA) Projects Undertaken

No	Project Title and Location	Task	Year
1.	SEIA for the Proposed Upper Padas Hydro Electric Project	Terrestrial Wildlife	Ongoing
2.	SEIA for the Proposed Oil Palm Plantation (OPP) and Industrial Tree Plantation (ITP) Development at Benta Wawasan I and Benta Wawasan IIC, Yayasan Sabah Forest Management Area, Kalabakan, Tawau, Sabah	Aquatic Ecology	May 2005
3.	SEIA for the Proposed Sino-Malaysia JV Forest Plantation at Kalabakan and Gunung Rara Forest Reserves, Tawau District, Sabah	Aquatic Ecology	June 2002

Detailed Environmental Impact Assessment (DEIA) Projects Undertaken

No	Project Title and Location	Task	Year
1.	DEIA for the Proposed Integrated Pulp and Paper Mill at KM 56, Tawau-Kunak Road, Tawau, Sabah	Aquatic Ecology	June 2005

Environmental Impact Assessment (EIA) Projects Undertaken

No	Project Title and Location	Task	Year
1.	EIA for Proposed Golf and Waterfront Community at Karambunai Integrated Resort City (KIRC) on CL.045091174, Parcel 23 at Karambunai, Kuala Menggatal, Kota Kinabalu, Sabah	Marine Ecology, Fisheries and Seagrass	Ongoing
2.	EIA for "Cadangan Membina Jeti di Kg. Timbang Dayang, Pulau Banggi, Daerah Kudat, Sabah"	Fauna and Aquatic Ecology	April 2011
3.	EIA for the Proposed Resort Development Consisting Reception Complex, Spa Village, 37 Units of hill Villas and 25 Units Mangrove Villas at Malohom Bay, Pulau Gaya, Sabah	Coral Reefs, Sea Grass Fisheries and Mangrove Habitat	January 2008
4.	EIA for the Proposed Causeway-Bridge Linking Mainland to Pulau Udar Kecil at Sepangar Bay, Kota Kinabalu, Sabah	Coral Reefs and Fisheries	January 2008
5.	EIA for Proposed Pig Farming Area (PFA) at Telupid, Sabah	Ecology	December 2007
6.	EIA for Establishment of 25,000 ha of Acacia Mangium Plantation and 10,000 ha of Rubberwood Plantation under the 9 th Malaysian Plan (2006-2010) in Kudat District, Sabah	Fauna and Aquatic Ecology	May 2007
7.	EIA for Dredging Area and Offshore Dumping Ground For Proposed Dredging Works of Seabed in The Vicinity of Asian Supply Base Jetty, Labuan F. T. Malaysia.	Marine Ecology	September 2005
8.	EIA for Federal Administrative Centre (FAC) at Rambungan District, Kuching Division	Aquatic Ecology	April 2005



No	Project Title and Location	Task	Year
9.	EIA for Proposed Marine Police Complex Development at Lahad Datu, Sabah	Marine Ecology	October 2004
10.	EIA for Existing Quarry Operations On Lot 015346353 and 9 Others At Kpg. Kironggo, Inanam, Sabah	Team leader, vibration, flyrocks and blasting risks	June 2004
11.	EIA for Existing Quarry Operation On PL 106291605, CL 105169015 and PL 106291178 at Mile 5, Jalan Sin On, District of Tawau, Sabah	Team leader, vibration, flyrock and blasting risks	May 2004
12.	EIA for Proposed Sandstone Quarry Operation On PL 016197809, PL 016199330, FR 1302, PL 016199358 and CL 015279080 At Kpg. Ulu Kiansom, Inanam, Sabah	Team leader, Vibration, Flyrock, Modelling, Geology, Noise Risk and Ecology	May 2004
13.	EIA for Proposed Quarry Operation On NT 043142212, NT 043142203, NT 043136447, NT 043142196, NT 043129924, NT 043191082 and NT 043134112 At Kpg. Tampilan, Telipok, Sabah	Team leader, Vibration, Flyrock, Modelling, Geology, Noise Risk and Ecology	February 2004
14.	EIA for Proposed Quarry Operation and Related Activities at Lots CL 125312923, 125312932, 125313448, 125313466 and 125313466, Semporna Sabah.	Team leader, vibration, flyrock, modelling, noise, risk and geology	December 2003
15.	EIA for Existing KAC Quarry on Lots P.T. 85190247 & P.T. 87190779, Bukit Sebuoh, Sipitang, Sabah	Team leader, vibration, flyrock, modelling, noise, risk and geology	November 2003
16.	EIA for Proposed Quarry Operation On PL 196290150 and PT 91190222, Kampong Sebuoh, Sipitang District, Sabah	Team leader, vibration, flyrock, noise and risk	April 2003
17.	EIA for New Seawall and 9 Units Single Storey Shop At Jalan Pasar, Kudat, Sabah	Marine Ecology	February 2003
18.	Integrated Management Plans for the Bandau Floodplain and Associated River Catchments, Sabah, Malaysia	Ecology	2003
19.	Tourism Masterplan Study for the Lahad Datu and Kunak District	Ecology	2003
20.	EIA for the Proposed Oil Palm Plantation at LA 97100183, Sg. Salimponon, Kalabakan, Tawau District, Sabah	Fauna	August 2002
21.	EIA for the Proposed Forest Harvesting at LA 97100183 Sg. Salimponon, Tawau District, Sabah	Fauna	June 2002
22.	EIA for Proposed Marine Sand Borrow Area Offshore of Sabah.	Coral Reef, Sea Grass and Fisheries	June 2002
23.	EIA for Proposed Sea Sand Borrow Area Off Pantai Dalit, Tuaran, Sabah	Coral Reef, Sea Grass and Fisheries	March 2002
24.	EIA for Proposed Sandstone Quarry on Land Title NT 023113377 Kpg. Langsat, Papar, Sabah.	Land Use, Utilities, Ecology & Socio-Economy	April 1996
25.	EIA for Proposed Quarry at Mile 9, Jalan Apas, Tawau, Sabah.	Land Use, Utilities, Ecology & Socio-Economy	March 1996
Experience in PMM Report Preparation			
No	Project Title and Location	Task	Year
1.	Proposal for Mitigation Measures for the Proposed Resort Development Consisting Reception Complex, Spa Village, 61 Units of "Kampung' Villas on Lot D (20 Acre) at Pulau Tiga, Sabah	Fauna and Aquatic Ecology	January 2008



Experience in EIS Report Preparation

No	Project Title and Location	Task	Year
1.	EIS for Proposed Construction of Labuan's New Market and Taxi and Bus Station, Federal Territories of Labuan	Marine Ecology	June 2005

Others Environmental Studies Undertaken

- » Pulau Rebak, Langkawi, Kedah – Marine Resource Inventory in the Waters surrounding the Island - Hicom Berhad
- » Petronas Off-shore Pipe line - Tanjung Kaling, Malacca
- » Tanjung Tokong Development Project – Coastal Reclamation and Town ship Development
- » Kedah Coastal Reclamation – Development of Islands off the Kedah Coast for Settlement, Industries, tourism and infrastructures
- » Proposed Labuan Deep Port - Ranza-Ranza, Labuan
- » Petronas Offshore Platform Benthic Study, Kimanis Bay
- » Proposed Kuching River Diversion, Kuching
- » Jetty Extension Labuan Methanol Plant, Labuan
- » Monitoring of Tanjung Pin Coal Fired Power Plant, Johore

12. Paper / Presentation

Year	Projects
1991	Presented a Paper on "Our Marine Heritage – An Unseen Environment" for the Environment Week Seminar organized by Intan Jaycees.
1994	Presented a Paper on "The Marine Environment - A bird-eye view." U.K.M.(Sabah) Seminar on Coastal Protection and Environment.

1. **Family name:** **Chukong**
2. **Given names:** Lee Nyanti @ Janti (Dr)
3. **Date of birth:** 15 April 1959
4. **Passport holder:** Malaysian

5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
Louisiana State University, Baton Rouge, USA, 2000	Ph.D Aquaculture
University of Michigan, Ann Arbor, USA, 1989	M.Sc. Fishery Science
Universiti Kebangsaan Malaysia, Sabah Campus, 1984	B.Sc. (Hons.) Marine Biology

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Malay	1	1	1

7. **Registrations:**

Department of Environment (DOE) Malaysia: Registration No.: **C0340**

World Aquaculture Society

Asian Pacific Chapter of the World Aquaculture Society

Malaysian Society of Marine Sciences

8. **Present position:** Associate Professor, Department of Aquatic Science, Faculty of Resource Science and Technology, Universiti Malaysia Sarawak9. **Contribution to University Management**

Period	Faculty/University	Administrative Duty/Committee
	Universiti Malaysia Sarawak (UNIMAS)	Director Center for Technology Transfer and Consultancy
1 Nov 2003 - 30 Jun 2004	FSTS, Unimas	Deputy Dean Postgraduate and Research
1 April 2003 - 31 Oct 2003	FSTS, Unimas	Head of Program Aquatic Resource Science and Management
1 Jan 2001 - 28 Nov 2002	FSTS, Unimas	Coordinator of Program Resource Biology Program
1994 - 1996	FSTS, Unimas	Head of Program Aquatic Resource Science and Management

10. Publications:

Books Chapters

- Nyanti, L.**, A.K. Sayok and Ifransjah. 2006. Fish fauna of Loagan Bunut National Park. *In: Scientific Journey Through Borneo: Loagan Bunut. In: Scientific Journey Through Borneo: Loagan Bunut.* A. A. Tuen, A.K. Sayok, A.N. Toh and G.T. Noweg (Eds). pp: 102–109. Institute of Biodiversity and Environmental Conservation, Universiti Malaysia Sarawak, Kota Samarahan and UNDP-GEF Peatswamp Project, Forest Research Institute of Malaysia, Selangor
- Nyanti, L.**, Noweg, G.T. and A.K. Sayok. 2006. Riverine Fishery in Loagan Bunut National Park: Present Status, Threats and Management Strategies. *In: Scientific Journey Through Borneo: Loagan Bunut.* A. A. Tuen, A.K. Sayok, A.N. Toh and G.T. Noweg (Eds). pp: 110-122. Institute of Biodiversity and Environmental Conservation, Universiti Malaysia Sarawak, Kota Samarahan and UNDP-GEF Peatswamp Project, Forest Research Institute of Malaysia, Selangor.
- Renny, K.H., **L. Nyanti**, Zainuddin and Suhitno. 2003. Biodiversity of ichthyofauna in Pa'Raye village and its surrounding area, Kayan Mentarang National Park. *In: Joint Biodiversity Expedition in Kayan Mentarang National Park.* A. Mardiastuli and T. Soehartono (Eds.). Pages 205 – 215. Ministry of Forestry-WWF Indonesia-ITTO, Jakarta.
- Nyanti, L.**, T.Y. Ling and A.R. Khairul Adha. 1998. Freshwater fish from Bario Kelabit Highlands, Sarawak. *In: Ghazally, I. and B.D. Laily (Eds.).* Pages 183-191. A Scientific Journey Through Borneo, The Kelabit Highlands of Sarawak. Pelandok Publication. (Attachment 1).
- Nyanti, L.** 1995. Fish fauna of Sayap-Kinabalu Park, Sabah. *In: Ghazally, I. and B.D. Laily (Eds.).* Pages 189-199. A Scientific Journey Through Borneo (Sayap-Kinabalu Park, Sabah). Pelandok Publications.
- Nyanti, L.**, M.A. Ghaffar and S. Abdullah. 1995. An ichthyological survey of Tawau Hills Park, Sabah. *In: Ghazally, I., S. Omar and B.D. Laily, (Eds.).* Pages 173-188. A Scientific Journey Through Borneo (Tawau Hills Park, Sabah). Pelandok Publications.

Journal Articles

- Lee, Y.H., Nyanti, L., Stuebing, R.B. and O. Mani. 2006. The Water Quality of Several Oxbow Lakes in Sabah, Malaysia and its Relation to Fish Fauna Distribution. *Journal of Biological Sciences* 6 (2):365-369.
- Nyanti, L.**, E.N. Lambremont, and T.R. Tiersch. 2000. Considerations for gamma irradiation of aquatic organisms. *North American Journal of Aquaculture* 62:95-102.
- Stuebing, R.B., **L. Nyanti**, and A. Samad. 1993. The freshwater fish fauna of Pulau Gaya, Sabah, Malaysia. *Sabah Museum Journal* 1(1):39-48.
- Nyanti, L.** and N.A. Johnston. 1992. The coral reefs of Taman Tunku Abdul Rahman Park, Sabah. *Sabah Society Journal* 9(4):323-348.
- Gires, U., N.A. Johnston, R.S. Taylor, M. Miura, and **L. Nyanti**. 1991. Reference collection for Sabah marine fauna. (in Malay) *Prioriti Penyelidikan. IRPA*:699-706.
- Nyanti, L.**, A.M. Ghaffar, M. Tajuddin, and K.G. Gopir. 1990. Sea turtles of Sabah: Some field observations and biological aspects. *Sabah Museum and Archives Journal* 1(3):47-59.
- Ghaffar, A. M., **L. Nyanti**, M. Tajuddin, and T. Sanudin. 1990. Some characteristics of nesting beaches and nesting clues of the green turtles (*Chelonia mydas*) on the Turtle Island Park, Sabah. *Sumber* 6:3-14.
- Ghaffar, A.M., **L. Nyanti**, and M. Tajuddin. 1989. Tourism development vs. turtle conservation at the Turtle Islands, Sabah. An overview. *Sabah Society Journal.* 9(1):85-89.

Monograph

- Nyanti, L.** and G. Jongkar. 2007. Fish Fauna of Pulong Tau National Park, Sarawak. International Tropical Timber Organisation (ITTO) and Forest Department, Sarawak, Malaysia, Lee Ming Press, Kuching.
- Jongkar, G and **L. Nyanti**. 2007. Crabs, Prawns and aquatic Insects of Pulong Tau National Park, Sarawak. International Tropical Timber Organisation (ITTO) and Forest Department, Sarawak, Malaysia, Lee Ming Press, Kuching.
- Nyanti, L.** and J. Bali. 2004. Fish Fauna of Maludam National Park, Betong Division, Sarawak. Joint Working Group Malaysia –The Netherlands: Development and Management of Maludam National Park. Alterra Green World Research, The Netherlands, Forestry Department Sarawak, Malaysia and Sarawak Forestry Corporation, Malaysia JWG/MNP/2004/15.

Conference Proceedings

- Nyanti, L.**, I. Norhadi and M.L.L.K. Fu. 2005. Fish, crustacean and cephalopod fauna and their fisheries at paloh Mangrove, Rajang Estuary, Sarawak. In: Wallace in Sarawak – 150 Years Later. An international conference on Biogeography and biodiversity. A.A. Tuen and I. Das (eds.). pp. 162 – 177. Institute of Biodiversity and Environmental Conservation, Universiti Malaysia Sarawak, Kota Samarahan.
- Nyanti, L.**, Lau, S. Ling, T.Y. Gerald, T.L.S. and S.L. Chan. 2005. Sustainability of shrimp farming in Sarawak: A case study of Asajaya, Samarahan Division, Sarawak. Research and Innovation Management Center, Unimas, IRPA and Fundamental Research Paper Series 2:91-99.
- Nyanti, L.**, Y.L. Soon, S. Lau, and T.Y. Ling. 2002. The management of effluent from shrimp farm: The role of sedimentation pond. Pages 158 - 168 *In* Lau, S., G.T. Noweg, K. Apun, L. Nyanti and Z. Assim. (eds.). Proceedings of the Regional Conference on Natural Resources and Environmental, Kuching, Sarawak.
- Lee, Y.H., **L. Nyanti**, R.B. Stuebing and M. Omar. 2002. Water quality and fish fauna diversity of an oxbow lake of the Padas River, Sabah, Malaysia. Pages 190 – 197 *In* Lau, S., G.T. Noweg, K. Apun, L. Nyanti and Z. Assim. (eds.). Proceedings of the Regional Conference on Natural Resources and Environmental, Kuching, Sarawak.
- Wong, W.P., L. Seng, **L. Nyanti** and T.Y. Ling. 2002. The equilibrium kinetics of phosphate between the water-solid interface. Pages 75 - 88 *In* Lau, S., G.T. Noweg, K. Apun, L. Nyanti and Z. Assim. (eds.). Proceedings of the Regional Conference on Natural Resources and Environmental, Kuching, Sarawak.
- Nyanti, L.**, C.H. Ting and T.Y. Ling. 2002. Assessment of brackish shrimp farming in Sarawak and its impact to the environment. Pages 1 – 17. Proceedings of the Borneo Research Council 7th Biennial International Conference, Kota Kinabalu, Sabah.
- Lau, S., I. Ipor, **L. Nyanti**, M.L. Shabdin, K. Apun, C. Tawan, I. Norhadi, and M.F. Yusof. 1994. Ecological study of Samunsam River Basin : Current Status. Sarawak Water Resources Conference - Towards Sustainable Growth, 8-10 August, 1994, Santubong Resort, Kuching, Sarawak, pp. 1-10.
- Lee, Y.H., **L. Nyanti**, A.M. Ghaffar, and A. Samad. 1992. Water quality and fish fauna distribution in the river of Tawau Hills Park, Sabah, Malaysia. Proceedings of the International Conference on Forest Biology and Conservation in Borneo. Center for Borneo Studies. Pub. No. 2:312-319.
- Dayang, A.A., **L. Nyanti**, W.Y. Choo, and M.A. Salam. 1992. Heavy metals in fish species of fish in Sabah. Fourth National Biology Symposium.
- Ghaffar, A.M., H.H. Kueh, **L. Nyanti**, M. Tajuddin. 1992. Composition and distribution of ichthyofauna in Inanam River, Kota Kinabalu, Sabah. (in Malay). Proceedings of the First National Natural Resources. Vol 1: 127-134.

Ghaffar, A.M., M. Tajuddin, **L. Nyanti**, and C.H. Ling. 1990. Tinjauan terhadap beberapa aspek biologi dan aktiviti perikanan ikan kembung *Rastrelliger kanagurta* CUVIER (1817) di perairan pantai Barat Sabah. Prosiding Kolokium Sumber Alam II. ms. 27-34.

Abstracts of Papers Presented at Conferences

Nyanti, L. 2005. Sustainability of shrimp farming in Sarawak: Present status and challenges. Abstract of the International Science Congress (ISC) 2005 "Science for Humanity". 3 – 6 August, Putra World Trade Centre, Kuala Lumpur, Malaysia. pp. 113.

Sayok, A., **Nyanti, L.**, Noweg, G.T. and Ifransjah. 2005. Fishery in Loagan Bunut National Park: Present Status and Management Implications. Abstract of the 10th Living Lakes Conference, 16 - 20 May 2005, Manila, Philippine.

Nyanti, L., G.T. Noweg and A. Sayok 2004. The Biological Environment of Loagan Bunut National Park. Paper presented at the LBNP 'Conservation and Sustainable Use of Tropical Peat Swamp Forests and Associated Wetland Ecosystems', 12 - 14 October, Imperial Suites, Miri, Sarawak.

Nyanti, L. 2004. Fish fauna of Loagan Bunut National Park: Status, threats and management Strategies. Abstract of the Natural Resources, Environment and Development (NARED) 2003, 25 – 27 September, Kuching, Sarawak. pp. 28.

Ling, T.Y., **L. Nyanti** and T.F. Siew. 2003. Quantifying *Escherichia coli* in household wastewater in Kuching, Sarawak. Abstract of the Natural Resources, Environment and Development (NARED) 2003, 25 – 27 September, Kuching, Sarawak. pp. 72.

Ling, T.Y., **L. Nyanti** and T.F. Siew. 2002. Quantifying household wastewater pollutants in Kuching, Sarawak. Abstract of the Malaysian Chemical Congress 2002 (MCC 2002), 12 – 14 December, Hotel Hilton Kuching, Sarawak. pp. 97.

Nyanti, L., F.D. Ajang and I. Norhadi. 2002. Phytoplankton communities in tropical tiger shrimp *Penaeus monodon* ponds. Abstract of the Malaysian Chemical Congress 2002 (MCC 2002), 12 – 14 December, Hotel Hilton Kuching, Sarawak. pp. 93.

Nyanti, L. and G. Jumat. 2002. Water quality of tiger shrimp ponds and its implication to shrimp farm management. Abstract of the Malaysian Chemical Congress 2002 (MCC 2002), 12 – 14 December, Hotel Hilton Kuching, Sarawak. pp. 92.

Nyanti, L. and T.R. Tiersch. 2001. Effects of cobalt-60 gamma irradiation on the Malaysian prawn. Abstract of the World Aquaculture Society Conference, Lake Buena Vista, Florida, USA.

Ardjosoediro, I., **L. Nyanti**, J.E. Supian, and T.R. Tiersch. 2000. Gamma irradiation effects on early life stages of the eastern oyster. Abstract of the National Shellfish Association Conference, Seattle, Washington, USA. pp. 73.

Nyanti, L., G.S. Ropolo, and T.R. Tiersch. 2000. Production of androgenetic channel catfish. Abstract of the World Aquaculture Society Conference, 2- 5 February, New Orleans, Louisiana, USA. pp. 197.

Nyanti, L. and T.R. Tiersch. 2000. Production of sterile Malaysian prawns by use of cobalt-60 gamma irradiation. Abstract of the World Aquaculture Society Conference, 2- 5 February, New Orleans, Louisiana, USA. pp. 196.

Ardjosoediro, I., **L. Nyanti**, J.E. Supian, and T.R. Tiersch. 2000. Effects of gamma irradiation on spat of the eastern oyster. Abstract of the Arkansas, Louisiana and Texas Chapters of the American Fisheries Society Conference, 23 - 25 January, Bossier City, Louisiana, USA. pp. 1.

Nyanti, L. and T.R. Tiersch. 2000. Effects of cobalt-60 gamma irradiation on the production of the Malaysian prawn *Macrobrachium rosenbergii*. Abstract of the Arkansas, Louisiana and Texas Chapters of the American Fisheries Society Conference, 23 - 25 January, Bossier City, Louisiana, USA. pp. 11.

- Ardjosoediro, I., **L. Nyanti**, and T.R. Tiersch. 1999. Gamma irradiation of early life stages of the eastern oyster, *Crassostrea virginica*. Abstract of the Louisiana Chapter of the American Fisheries Society Conference, 4 - 5 February, Baton Rouge, Louisiana, USA. pp. 73.
- Nyanti, L.**, E.N. Lambremont, and T.R. Tiersch. 1999. Techniques and errors in the gamma irradiation of aquatic organisms. Abstract of the Louisiana Chapter of the American Fisheries Society Conference, 4 - 5 February, Baton Rouge, Louisiana, USA.
- Ardjosoediro, I., **L. Nyanti**, J.E. Supian, and T.R. Tiersch. 1999. Gamma irradiation effects on the larvae of the eastern oyster, *Crassostrea virginica*. Abstract of the World Aquaculture Society Conference, 27 - 30 January, Tampa, Florida, USA. pp. 4.
- Nyanti, L.**, E.N. Lambremont, and T.R. Tiersch. 1999. Effects of cobalt-60 gamma-ray irradiation on the early life stages of the freshwater prawn *Macrobrachium rosenbergii*. Abstract of the World Aquaculture Society Conference, 27 - 30 January, Tampa, Florida, USA. pp. 91.
- Nyanti, L.** and T.R. Tiersch. 1998. Sterilization of the Malaysian prawn, *Macrobrachium rosenbergii*. Abstract of the Louisiana and Mississippi Joint Chapter Meeting of the American Fisheries Society, 4 – 6 February, Bay St. Louis, Mississippi, USA. pp. 24.
- Nyanti, L.**, E.S.P. Tan and P.K. Chin. 1995. An ichthyological survey of the upper Batang Rajang, Sarawak, Malaysia. Abstract of the International Symposium and Workshop on Conservation Biology, Kuching, Sarawak. pp. 39.
- Nyanti, L.**, I. Norhadi and M.L. Shabdin. 1994. Ecological studies of the coral reefs in Lok kawi Bay, Kota Kinabalu, Sabah: Recent Status. Abstract of the International Conference on Applied Ecology and Biology of Benthic Organisms, 15 – 16 June, Universiti Pertanian Serdang, Selangor, Malaysia.
- Nyanti, L.**, Y.L. Shim, and T. Mahmud. 1992. Composition, distribution and abundance of butterfly fishes (Chaetodontidae) at Pulau Tiga Park, Sabah. Abstract of the First National Natural Resources Symposium, 23 – 26 July, UKM Sabah Campus, Kota Kinabalu, Sabah. pp. 120.
- Nyanti, L.**, G.R. Smith, and P.W. Webb. 1990. Experimental studies of hybridization between the cyprinid fishes *Notropis cornutus* and *Notropis chrysocephalus*. Abstract of the First Applied Biology Symposium, UPM Serdang, Serdang. pp. 41-42.
- Lee, Y.H., **L. Nyanti**, M.A. Ghaffar and A. Samat. 1990. Water quality and fish fauna distribution in the rivers of Tawau Hills Park, Sabah, East Malaysia. Abstract of the International Conference on Forest Biology and Conservation in Borneo, 30 July - 3 August, Yayasan Sabah, Kota Kinabalu, Sabah, Malaysia. pp. 132-133.

Technical Reports

- Nyanti, L.** 2005. Fish Fauna Composition and Riverine Fishery of the lower Batang Rajang, Sarawak. A report submitted to the Department of Environment Malaysia on the Study on Pollution and Water Quality Improvement of Batang Rajang, Sarawak.
- Nyanti, L.** 2003. Feasibility and Development Plan Study On The Establishment of New Rural Growth Centres in Sarawak: *Fisheries and Aquaculture*. Report submitted to the Ministry of Rural and Land Development, Sarawak.
- Nyanti, L.** 2003. Samarahan Environmental Management Master Plan Study: *Fisheries and Aquaculture*. Report submitted to Natural Resources and Environmental Board (NREB), Kuching.
- Nyanti, L.**, M.A.Ghaffar., I. Norhadi, and M.L. Shabdin. 1992. Ecological study of the coral reefs at Darvel Bay, Lahad Datu, Sabah, Malaysia. Report submitted to Operation Raleigh Malaysia 1991 and Yayasan Sabah, Kota Kinabalu. 16 pp.
- Ghaffar, M.A., M. Tajuddin, and **L. Nyanti**. 1990. Conservation of marine turtle in Sabah. Report submitted to Universiti Kebangsaan Malaysia.

11. Consultation Activities:

Title of Project	Year	Client Name
Labuan Strategic Development Plan	2007	<i>Labuan Corporation</i>
Detailed EIA for the Proposed Murum Hydroelectric Project, Belaga District, Sarawak.	2007	SEB
EIA and QRA Study for the Proposed Sabah-Sarawak Gas Pipeline Project	2006	<i>Petronas</i>
Fish Fauna and Riverine Fisheries of Pulong Tau National Park, Sarawak.	2005	ITTO and Sarawak Forestry Department
Proposed Development of Bengoh dam across Sg. Sarawak Kiri, Kuching, Sarawak.	2005	Public Work Department, Kuching.
Study on Pollution and Water Quality Improvement of Batang Rajang, Sarawak.	2005	DOE, Putrajaya.
Malaysia MDAs for the Loagan Bunut National Park (Sarawak).	2003	UNDP
The Development and Management of Maludam National Park – Ichthyology National Consultant.	2002	Forestry Department Sarawak
Feasibility and Development Plan Study on the Establishment of New Rural Growth Centres in Sarawak	2002	Kementerian Pembangunan Luar Bandar dan Kemajuan Tanah
Samarahan Environmental Management Master Plan	2002	Natural Resources Environmental Board (NREB)
Sejingkat Coal-fired Power Plant (Phase II), Sejingkat, Kuching, Sarawak.	2002	Sarawak Electricity Supply Corporation, Kuching.
Bakun Township and Sustainable Forest Management Belaga, Sarawak.	1996	Ekran Sdn. Bhd., Kuching.
Wharf Construction and Landing Point at Sungai Tubau, Bintulu, Sarawak.	1996	Ekran Sdn. Bhd., Kuching.
Sungai Sarawak Environmental and River Management Study, Kuching, Sarawak.	1995	Drainage and Irrigation Dep't., Kuching.
Miri Resort City Reclamation Project, Miri, Sarawak.	1995	Samling Corp. Sdn. Bhd., Miri.
Sabah Gas Pipeline Project, Sabah.	1995	Petronas Carigali Sdn. Bhd., Kuala Lumpur.
Bakun Hydroelectric Project, Belaga, Sarawak.	1994	Ekran Bhd., Kuching.
Mesilau Nature Park, Ranau, Sabah.	1994	Sabah National Park, Kota Kinabalu, Sabah.
Labuan Coastal Reclamation Project, Labuan, Sabah..	1993	Public Works Department, Kuala Lumpur.
Exploration Drilling in Block SK-15 Tanjung Baram, Miri, Sarawak.	1993	PETRONAS, Kuala Lumpur.

Title of Project	Year	Client Name
Development of Industrial Jetty on Batang Igan, Sibuluan, Sarawak.	1993	KTS Sdn. Bhd., Sibuluan.
Effluent Discharge from SFI Pulp and Paper Mill, Sipitang, Sabah.	1993	Sabah Forest Industries Sdn. Bhd., Kota Kinabalu.
Serudong Hydro-Electric Power Project, Tawau, Sabah.	1993	Mega First Corporation, Kuala Lumpur.
Patau-Patau Power Station, Labuan.	1993	Sabah Electricity Board, Kota Kinabalu.
Construction and operation of a Clinker Plant at Sepangar Bay and Operation of a limestone quarry on Pulau Balambangan, Sabah.	1993	Sabah State Government.
Kota Kinabalu Industrial Park.	1993	Sabah Urban Development Corporation Sdn. Bhd., Kota Kinabalu.
Sutera Harbour Resort, Kota Kinabalu, Sabah.	1993	OCK Holdings Sdn. Bhd., Singapore.
Bongawan Resort and Golf Dev't., Bongawan, Sabah.	1993	Bongawan Resort, Kota Kinabalu.
Mangrove Paradise Resort, Tuaran, Sabah.	1992	Mangrove Paradise Resort Sdn. Bhd., Kota Kinabalu.
Wood Chip and Chip Export Terminal, Tawau, Sabah.	1992	Sabah Softwood Sdn. Bhd., Tawau.
Pantai Dalit Resort, Tuaran, Sabah.	1992	Pantai Dalit Beach Resort Sdn. Bhd., Kota Kinabalu.
Rafflesia Golf and Country Club, Telipok, Sabah.	1992	Rafflesia Resort Sdn. Bhd., Kota Kinabalu.
Lok Kawi Coastal Reclamation Project, Kota Kinabalu, Sabah.	1992	Sunduvon Corporation Sdn. Bhd., Kota Kinabalu.
Upper Liwagu Small Scale Hydro-Electric Power Project, Sabah.	1992	Lembaga Letrik Sabah, Kota Kinabalu.
Karambunai Beach Resort and Golf Residential Development Project, Kota Kinabalu, Sabah.	1992	Karambunai Resort Sdn. Bhd., Kota Kinabalu.
Formalin/Glue Plants at Seguntur Industrial Estate, Sandakan, Sabah.	1992	Chemical Industries Sabah Sdn. Bhd., Sandakan.
7-Storey Hotel Extension to Existing Tanjung Aru Resort Hotel, Kota Kinabalu, Sabah.	1992	Tanjung Aru Hotel Sdn. Bhd., Kota Kinabalu.
Sandakan Resort cum Business Hotel Project, Sandakan, Sabah.	1991	Sabah State Economic Dev't. Corporation, Kota Kinabalu.
Kota Kinabalu Industrial Park Development Project, Kota Kinabalu, Sabah.	1991	Sabah State Economic Dev't. Corporation, Kota Kinabalu.

Title of Project	Year	Client Name
Wood-based Industrial Dev't. (Extension) Project, Jalan Tanjung Batu, Tawau, Sabah.	1991	Ladalam Timber Sdn. Bhd., Tawau.
SEB Gas Turbine Power Project in the West Coast of Sabah.	1990	Sabah Electricity Board, Kota Kinabalu.

12. Other Relevant Information:

(i) Reviewing/Editing Scientific Manuscript:

1. **Reviewer** for Sarawak State Planning Unit on the proposal for collaborative research and training in Malaysian water entitled "Study on the Acoustic Method to Estimating Biomass of Pelagic Fish" by Prof. Akira Hamano of Dep't of Fishery Science and Technology, National Fisheries University, Yamaguchi, Japan. 2005.
2. **Reviewer** of manuscript submitted to World Aquaculture Society (Manuscript #: 99WQ41) entitled "Effect of *Azolla* cover on water chemistry and fish production in fishponds" by Mohsen Abdel-Tawwab. 2000.
3. **Co-editor**, Proceedings of the Natural Resources and Environmental Management 2001.

(ii) Involvement in Scientific Expeditions:

Name of Expedition	Organizer	Year
Loagan Bunut Scientific Expedition 2004	IBEC, UNDP, Forestry Dep't, Sarawak Forestry Corporation	2004
Joint Biodiversity Expedition Between Indonesia And Malaysia In Kayan Mentarang National Park, East Kalimantan, Indonesia.	World Wildlife Fund, Indonesia – International Tropical Timber Organization, Japan	2003
A Scientific journey through Borneo: Bario, The Kelabit Highlands, Bario, Sarawak.	Unimas	1995
A Scientific journey through Borneo: Gunung Silam, Silam, Sabah.	Unimas	1995
Scientific expedition on the flora and fauna of Sayap-Kinabalu Park, Sabah.	UKM Sabah	1992
Expedition on the flora and fauna of Tawau Hills Park, Tawau, Sabah.	UKM Sabah	1990
Operation Raleigh Malaysia in Darvel Bay, Sabah.	Operation Raleigh, United Kingdom	1990

- i) **Nama Penuh (*Full Name*)**
Lim Po Teen
- ii) **Kelayakan Akademik (*Academic Qualifications*)**
BSc (Hon) Marine Science Universiti Kebangsaan Malaysia
MSc Marine Science Universiti Kebangsaan Malaysia
PhD Fisheries Science, Kitasato University, Japan
- iii) **Keahlian Badan Profesional Terkini (*Current Professional Membership*)**
1. Malaysia Society of Marine Science (MSMS)
 2. Phycological Society of America (PSA)
 3. Consultant of the Natural Resources and Environmental Board (NREB)
 4. DOE EIA Consultant/Subject specialist
- iv) **Tanggungjawab Pentadbiran dan Pengajaran Terkini (*Current Teaching and Administrative Responsibilities*)**
1. Program Coordinator Department of Aquatic Science, FSTS, UNIMAS
 2. Supervisor of MSc and PhD Candidate
 3. Course Instructor/Coordinator of Undergraduate and Postgraduate courses
- v) **Pekerjaan Terdahulu (*Previous Employment*)**
- vi) **Persidangan dan latihan – tiga tahun terakhir (*Conferences and Training– the last three years*)**
1. **Lim, P. T.**, Usup, G. & Leaw, C. P. 2010. Harmful algal blooms in Malaysian waters: events, organisms and activities. *Horiba International Conference: New direction of ocean research in the Western Pacific*, the University of Tokyo, Tokyo, Japan, 26-29 October 2010. Program and Abstracts, p. 45. **[Poster]**
 2. **Lim, P. T.**, Leaw, C. P., Kobiyama, A. & Ogata, T. 2010. Ecophysiological adaptations of two paralytic shellfish toxins producing dinoflagellates, *Alexandrium tamiyavanichii* and *Alexandrium minutum* (Dinophyceae). *The 13th International Conference on Harmful Algae*. Hong Kong, China. p. 74. **[Oral]**
 3. Lim, H. C., **Lim, P. T.** & Leaw, C. P. 2010. Genetic diversity of *Pseudo-nitzschia pungens* (Bacillariophyceae) from Borneo, Malaysia. *Horiba International Conference: New direction of ocean research in the Western Pacific*, the University of Tokyo, Tokyo, Japan, 26-29 October 2010. Program and Abstracts, p. 44. **[Poster]**
 4. **Lim, P. T.**, Usup, G. & Leaw, C. P. 2010. Toxic marine organisms in Malaysian waters: a summary. IOC-WESTPAC workshop on enhancing awareness on toxic marine organisms. 13-15 Dec 2010, Institute of Oceanography, Nha Trang, Vietnam. **[Oral]**
 5. **Lim, P. T.** 2010. Paralytic shellfish poisoning in Southeast Asia and the detection methods. Workshop on Japanese Trust Fund II Chemical and drug residues in fish and fish products in Southeast Asia (Biotoxin Monitoring in ASEAN). Agriculture and Veterinary Agency (AVA) Singapore, 28 Jun – 7 July 2010. **[Oral]**
 6. **Lim, P. T.**, Usup, G. & Leaw, C. P. 2010. A review on harmful algal blooms (HABs) in Malaysian waters. Conference on Marine Ecosystem of Malaysia: Management of Resources for Human and Environmental Well-being, Universiti Kebangsaan Malaysia, Cherating, Pahang, 22-24 June 2010. Book of Abstract, p. 37. **[Oral]**
 7. **Lim, P. T.** & Leaw, C. P. 2009. Presence of sodium channel blocking toxins in amphibians: how much do we know? International Conference on the Biology of the Amphibians in the Sunda Region, South-east Asia, Universiti Malaysia Sarawak, 28 – 30 September 2009, Book of Abstract, p. 11. **[Oral]**
 8. **Lim, P. T.** 2009. Paralytic shellfish poisoning and the toxins. National Workshop on harmful Algal Blooms and Marine Toxins. Vistana Hotel, Penang, 6-9 Apr 2009. **[Oral]**
 9. **Lim, P. T.**, Thuoc, C. V., Huyen, N. T. M., Kobiyama, A., Sakai, R., Takata, Y., Sato, S. & Ogata, T. 2008. Growth and toxin production of dinoflagellate *Alexandrium minutum* (Dinophyceae) isolated from aquaculture pond in northern Vietnam. Regional Meeting on Future focus and cooperation in HAB Research & 2nd Asian GEOHAB Meeting. 28 Jan - 1 Feb

2008. Nha Trang, Vietnam. Book of Abstracts, p. 39. **[Oral]**
10. **Lim, P. T.**, Su, S. N. P., M. A., Leaw, C. P. 2008. First report of potential toxic diatom *Pseudo-nitzschia* species in Malaysian waters. IOC WESTPAC Scientific Symposium. 21-25 May 2008. Book of Abstracts, p. 148. **[Oral]**

vii) (a) **Penyelidikan – tiga tahun terakhir (Research – the last three years)**

Title of Research <i>Tajuk penyelidikan</i>	Grant's Name <i>Nama Geran</i>	Position/Role <i>Jawatan/Peranan</i>	Duration (year start & end) <i>Tempoh (tahun mula dan akhir)</i>
1. Diversity and toxicity of amnesic shellfish poisoning causing diatom, <i>Pseudo-nitzschia</i> (Bacillariophyceae) in Malaysian waters	MOHE FRGS	Project Leader	Nov 2008 - Oct 2010
2. Genetic diversity of amnesic shellfish poisoning-toxin producing diatom, <i>Pseudo-nitzschia</i> species from Malaysia	International Foundation of Science (IFS)	Co-researcher	July 2009 – July 2011
3. Development of species specific microsatellite markers for species characterization <i>Pseudo-nitzschia</i> species	eScience Fund	Co-researcher	Sept 2009 - Sept 2011
4. Identification and molecular characterization of the biosynthetic genes cluster encoding the paralytic shellfish-toxin saxitoxin in dinoflagellates (Dinophyceae)	MOHE FRGS	Co-researcher	Sept 2010 –Aug 2012
5. Quantitative and qualitative assessment of harmful algal blooms (HABs) species in ship's ballast water using molecular tools	eScience	Project Leader	Jan 2012-Dec 2013

(b) **Penerbitan – 10 terkini (Publications – 10 latest)**

1. Leaw, C. P., **Lim, P. T.**, Tan, T. H., Tuan Halim, T. N., Cheng, K. W., Ng, B. K. & Usup, G. 2011. Thecal fine structure of benthic dinoflagellate, *Gambierdiscus belizeanus* (Gonyaulacales, Dinophyceae) from the east coast of Sabah, Malaysia. *Phycological Research*. **IF 1.246 (2009)**
2. **Lim, P. T.**, Leaw, C. P., Sato, S., Thuoc, C. V., Kobiyama, A. & Ogata, T. 2010. Effects of salinity on growth and toxin production of *Alexandrium minutum* isolated from a shrimp culture pond in Northern Vietnam. *Journal of Applied Phycology*. DOI 10.1007/s10811-010-9593-8. **IF 1.018 (2009)**
3. **Lim, P. T.**, Leaw, C. P., Kobiyama, A. & Ogata, T. 2010. Growth and toxin production of *Alexandrium minutum* (Dinophyceae) under various nitrogen to phosphorus ratios. *Journal of Applied Phycology*. 22: 203-210. **IF 1.018 (2009)**
4. Leaw, C. P., **Lim, P. T.**, Ng, B. K., Cheng, K. W. & Usup, G. 2010. Morphology and molecular characterization of a new species of thecate benthic epiphytic dinoflagellate, *Coolia malayensis* sp. nov. (Dinophyceae). *Journal of Phycology* 46: 162-171. **IF 2.490 (2004)**
5. Kobiyama, A., Tanaka, Kaneko, Y., **Lim, P. T.** & Ogata, T. 2010. Temperature tolerance and expression of heat shock protein 70 in the toxic dinoflagellate *Alexandrium tamarense* (Dinophyceae). *Harmful Algae* 9(2): 180-185. **IF 2. IF 4.280 (2010)**
6. **Lim, P. T.** Leaw, C. P., Ogata, T. 2007. Morphological variation of two *Alexandrium* responsible for paralytic shellfish poisoning in Southeast Asia. *Botanica Marina*. 50:14-21. **IF1.090 (2009)**
7. **Lim, P. T.** Sato, S., Thuoc, C. V., Tu, P. T., Huyen, N. T. M., Takata, Y., Yoshida, M., Kobiyama, A., Koike, K., Ogata, T. 2007. Toxic *Alexandrium minutum* (Dinophyceae) from Vietnam with new gonyautoxin analogues. *Harmful Algae*. 6: 321-331.
8. **Lim, P. T.**, Leaw, C. P., Kobiyama, A., Koike, K., Ogata, T. 2006. Effects of temperature, nitrate and light on growth and toxin production on two tropical marine dinoflagellate, *Alexandrium tamiyavanichii* and *Alexandrium minutum* (Dinophyceae). *Journal of Phycology*. 42: 786-799.
9. **Lim, P. T.** & Ogata, T. 2005. Salinity effect on growth and toxin production of four tropical *Alexandrium* species (Dinophyceae). *Toxicon*. 46: 699-710.
10. **Lim, P. T.**, Usup, G., Leaw, C. P., Ogata, T. 2005. First report of *Alexandrium taylori* and *Alexandrium peruvianum* (Dinophyceae) in Malaysia waters. *Harmful Algae*. 4: 391-400.

11. Leaw, C. P., **Lim, P. T.**, Ng, B. K., Cheah, M. Y., Ahmad, A., Usup, G. 2005. Phylogenetic analysis of *Alexandrium* species and *Pyrodinium bahamense* (Dinophyceae) based on theca morphology and nuclear ribosomal gene sequence. *Phycologia*. 44: 550-565.
12. Usup, G., Leaw, C. P., Ahamd, A., **Lim, P. T.** 2002. *Alexandrium* species (Dinophyceae) in Malaysian waters. *Harmful Algae*. 1: 265-275. **IF 4.280 (2010)**
13. Usup, G., Leaw, C. P., Ahamd, A., **Lim, P. T.** 2002. Phylogenetic relationship of *Alexandrium tamiyavanichii* (Dinophyceae) to other *Alexandrium* species based on ribosomal RNA gene sequences. *Harmful Algae*. 1: 59-68. **IF 4.280 (2010)**
14. Leaw, C. P., **P. T. Lim.** A. Ahmad., G. Usup. 2001. Genetic diversity of *Ostreopsis ovata* (Dinophyceae) from Malaysia. *Marine Biotechnology* 3: 246-255. **IF 2.587 (2009)**

viii) **Khidmat Perundingan (Consultancy)**

1. Detail Environmental Impact Assessment for the Proposed New Simalajau Port at Simalajau, Bintulu, Sarawak
2. Detail Environmental Impact Assessment for Proposed 1000 MW supercritical coal-fired power plants project for JOM-JT JV at Mukim Jimah, Port Dickson, Negeri Sembilan, Malaysia.
3. Preliminary Environmental impact Assessment on Construction of Port and dredging activities at Samalaju Industries Park, Bintulu, Sarawak
4. Preliminary Environmental Impact Assessment on proposed Bijat Setumbin Paddy Farming Area, Seri Aman, Sarawak
5. Preliminary Environmental Impact Assessment on proposed Tokuyama Polycrystalline Silicon Manufacturing plant at Similajau Industrial Park, Bintulu, Sarawak.

ix) **Khidmat masyarakat (Community Service)**

1. Invited Lecturer. UNESCO IOC-WESTPAC training course on taxonomy and ecology of the diatom *Pseudo-nitzschia*. FSTS, UNIMAS. 20 – 23 Mar 2011.
2. Invited Lecturer, Workshop on Japanese Trust Fund II Chemical and drug residues in fish and fish products in southeast Asia (Biotxin Monitoring in ASEAN), Agriculture and Veterinary Agency (AVA) Singapore, 28 Jun – 7 July 2010.
3. Invited Lecturer. The second HABs and Biotxin National Workshop on Morphological and molecular characterization of HABs species in Malaysian waters. FSTS, UNIMAS. 21 – 24 Dec 2009.
4. Invited Lecturer, National Workshop on Harmful Algal Blooms and Marine Toxins. Vistana Hotel, Penang, Malaysia. 4 – 9 April 2009.

x) **Perkara Lain Yang Berkaitan (Other Relevant Information)**

1. Steering committee, IOC-WESTPAC Project on Toxic Marine Organisms.
2. National Group Leader Harmful Algal Blooms Project, Coastal Marine Science Program, Japanese society for the promotion of Science (JSPS).

CURRICULUM VITAE

NAME: **Jongkar Anak Grinang**
IDENTITY CARD NO.: **690508-13-5223**
CURRENT POSITION: **Research Fellow (1 July 2010 to 30 June 2012)**
Institute of Biodiversity and Environmental Conservation
Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak

EDUCATION BACKGROUND:

1999 – 2001 Master in Science (Biology)
Universiti Sains Malaysia, Pulau Pinang

1994 – 1998 Bachelor in Environmental Biology
Universiti Sains Malaysia, Pulau Pinang

1992 – 1993 Matriculation
Sekolah Menengah Tunku Syed Putra, Perlis

1990 – 1991 Sijil Pelajaran Malaysia (SPM)
Sekolah Menengah Sains Miri, Sarawak

1987 – 1989 Sijil Rendah Pelajaran (SRP)
Sekolah Menengah Kerajaan Julau, Sarikei, Sarawak

WORKING EXPERIENCES:

1st Feb 2005 – 31st May 2007 (ITTO Project, Pulong Tau National Park)
Project Officer

12th Aug 2004 – 31st Jan 2005 (Joint Working Group Malaysia - The Netherlands)
Project Executive

16th May 2001 – 28th Apr 2004 (Sarawak Biodiversity Centre)
Research Officer (Zoology Division)

1st Oct 2000 – 30th Apr 2001 (World Wide Fund Malaysia, Selangor)
Research Assistant (Ichthyology)

1st Jun 1998 – 31st Aug 2000 (Universiti Sains Malaysia, Pulau Pinang)
Research Officer (Entomology)

15th Mar – 15th May 1998 (Sarawak Inland Fisheries, Semongkok Station)
Trainee (Fish Study)

1st – 31st May 1996 (Sarawak Inland Fisheries, Sematan Station)
Trainee (Mangrove Crab Study)

AREA OF EXPERTISE:

Systematics, taxonomy and ecology of macroinvertebrates; biological indicator study; stream ecology

RESEARCH ACTIVITIES:

1. Diversity and Community Structure of Fish and Macroinvertebrate and the Relationships with Riparian Vegetation Cover in Tributaries of Upper Sarawak Kiri River (Shell Research Chair)
2. Diversity of Macroinvertebrate in Streams of Mount Jagoi, Sarawak (IBEC Scientific Expedition Series)
3. Diversity of Macroinvertebrate in Streams of Mount Singai, Sarawak (IBEC Scientific Expedition Series)

4. Water Quality, Benthic Study and Pollutants Loads Monitoring of Sungai Sarawak and Sungai Kuap (Collaboration Project between IBEC and NREB).
5. Fauna Diversity in Different Ecosystem at Betong, Sarawak (Collaboration Project between IBEC and MPOB).
6. Diversity Assessment of Fish and Macroinvertebrate Fauna at the Proposed Sungai Asap Oil Palm Plantation in Belaga, Sarawak (Collaboration Project between IBEC and MPOB).
7. Community Structure of Macroinvertebrates for Integrated Environmental Impacts Study of the Sarawak Club Golf Course, Kota Samarahan (Unimas Small Grant Scheme).
8. Impact of Aquaculture Development on the Estuarine Ecosystem in Kuching Division, Sarawak (FRGS).
9. Identification of Species Diversity and Microdistribution of Decapod Crustacean in Sarawak Limestone Streams (Unimas Small Grant Scheme).
10. Diversity and Community Structure of Macroinvertebrate in Rayu River System, Kuching, Sarawak (Shell Research Chair).

RECORDS OF WORKING PAPERS:

1. **Jongkar, G.** and L. Nyanti 2011. Notes on the giant gouramy, *Osphronemus septemfasciatus* Roberts, 1992 (Perciformes: Osphronemidae) from Batang Kanowit in Sarawak, East Malaysia (Borneo). Manuscript accepted by Sarawak Museum Journal, to be published in 2012.
2. Nyanti, L., G. Jongkar, T. Y. Ling and Norman Haji Kamarudin. 2011. Fish fauna and water quality under different land uses at Sungai Asap, Belaga, Sarawak. Pp. 1-11 in Nyanti, L., N. Ismail and S. Mohamad (eds.). *Aquatic Science Colloquium 2010 – experiences sharing in aquatic science research*. Department of Aquatic Science, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak.
3. Nyanti, L., T. Y. Ling and G. Jongkar 2011 Fish and crustacean communities and fish length-weight relationships of Lutong River, Malaysia. Paper submitted to World Applied Sciences Journal.
4. Ella Michael Dosi, Khalid Haron, L. Nyanti, T.Y. Ling and **G. Jongkar**. 2011. Studies on fish diversity and water quality in different peatland ecosystems in Sarawak. Pp. 379-383, in *Proceedings of Agriculture, Biotechnology and Sustainability Conference*. Palm oil – fortifying and energizing the world. 15-17 November 2011 in Kuala Lumpur, Malaysia.
5. Alvina Griffin, L. Nyanti, T. Y. Ling and **G. Jongkar**. 2011. Impact of oil palm plantation and mill effluent on water quality in Kayan River, Sarawak. Pp. 173-181 in Proceedings of AKEPTs 1st Annual Young Researchers Conference and Exhibition.. 19-20 December 2011 in Kuala Lumpur, Malaysia.
6. **Jongkar, G.** 2011. Macrobenthos. Report Submitted for Environmental Impact Screening for Proposed LKIM Jetty and Facilities Construction at Kg Tg Bako, Kuching, Sarawak.
7. **Jongkar, G.** 2011. Macrobenthos and Shore Fauna. Report Submitted for Detailed Environmental Impact Assessment for Proposed 1 x 1000 MW Supercritical Coal-fired Power Plant Project Mukim Jimah, Port Dickson, Negeri Sembilan.
8. **Jongkar, G.** 2011. Macrobenthos. Report Submitted for Environmental Impact Assessment for the Proposed Similajau Port, Bintulu.
9. Kishen, B. and **G. Jongkar** 2010. Diversity of Ephemeroptera, Plecoptera and Trichoptera (EPT) and Its Indication on Stream Quality at Oil Palm Plantation in Bau, Sarawak. Paper presented in the First National Conference on Natural Resources - Conservation on Natural Resources and Sustainable Development. 18-19 May 2010. Grand Riverview Hotel. Kota Bharu, Kelantan, Malaysia.
10. Nyanti, L., Roslan, N.A., Ling, T.Y and **Jongkar, G.** 2010. Fish Fauna, Fisheries and Water Quality of Sungai Semariang Mangrove Area, Kuching, Sarawak: Status and Threats. In Proceedings of Conference on Marine Ecosystem of Malaysia: Management of Resources for Human and Environmental Well-being. Shahrani et al. (eds). Pp. 27-36. Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia.
11. **Jongkar, G.** 2010. Marine macrobenthos of the Proposed Polycrystalline Silicon Manufacturing Plant, Samalaju Industrial Park. Report submitted for the Pre Environmental Impact Assessment.
12. **Jongkar, G.,** S.D. Valaitham and K. Bunya 2010. Community Structure of Stream Macroinvertebrates from Different Land Use Activities in Sarawak, Malaysia. Paper presented in the Sarawak Biological Resources Forum 2010: Highlighting Sarawak as a Global Mega Biodiversity. 29-31 March 2010, Pullman Hotel, Kuching, Sarawak, Malaysia.

13. March 2009 – March 2010: Epifauna and Infauna. Report submitted for Remapping of Environmental Sensitivity Index (ESI) Along Kudat, Sabah to Tanjung Datu, Sarawak for Petronas Management Unit.
14. **Jongkar, G.** 2009. Macroinvertebrates of the Proposed Baleh Hydroelectric Dam, Kapit Division, Sarawak, Malaysia. Report Submitted for Detailed Environmental Impact Assessment of the Proposed Baleh Hydroelectric Dam, Kapit Division, Sarawak, Malaysia.
15. **Jongkar, G.** 2009. Macroinvertebrates of the Proposed Baram Hydroelectric Dam, Miri Division, Sarawak, Malaysia. Report Submitted for Detailed Environmental Impact Assessment of the Proposed Baram Hydroelectric Dam, Miri Division, Sarawak, Malaysia.
16. **Jongkar, G.** 2009. Benthic Invertebrates of Kuching Wetland National Park. Report Submitted for Multidiscipline Assessment and Management Plan Development for Kuching Wetland National Park, Kuching, Sarawak, Malaysia.
17. Jongkar, G., L. Nyanti, N. Hassan, N.A. Jalim, H. Seleman and N. Moktar 2009. The Mangrove Forests of Sarawak. *Outreach Unimas Research Bulletin*, Vol. 3(2), p. 9
18. **Jongkar, G.**, L. Nyanti, N. Hassan, N.A. Jalim, H. Seleman and N. Moktar 2009. Fishes and Decapod Crustaceans of Kuching Mangrove Areas, Sarawak. Paper Presented in the International Conference on Marine Ecosystem 2009, 26-28 May 2009, Awana Porto Malai, Langkawi, Kedah, Malaysia.
19. **Jongkar, G.**, L. Nyanti, N. Moktar, S. Abdul Jabbar and N.A. Jalim 2008. Fish and Crustacean of Rambungan Mangrove Forest in Sarawak: Diversity, Fisheries and Eco-tourism Perspectives. Paper presented in the National Seminar on Biodiversity Conservation for Ecotourism, Timber Resource and Species Protection, 20-21 August 2008, Universiti Putra Malaysia, Serdang, Selangor, Malaysia.
20. **Jongkar, G.** and L. Nyanti 2008. Species Diversity and Composition of Aquatic Fauna in Logged and Unlogged Forest Streams of Upper Baram River in Miri, Sarawak (Borneo), Malaysia. Paper presented in the International Seminar on Towards Sustainable Land-use in Tropical Asia, 23-26 April 2008, Hilton Hotel, Sarawak, Malaysia.
21. **Jongkar, G.** 2008. Terrestrial and Aquatic Fauna. Report submitted for Detailed Environmental Impact Assessment for Forest Re-entry in T/9089 Damai Cove Inter Hill, Miri.
22. **Jongkar, G.** 2008. Terrestrial and Aquatic Fauna. Report submitted for Detailed Environmental Impact Assessment for Forest Re-entry in T/3282 Belaga Camp, Samling, Bintulu.
23. **Jongkar, G.** 2008. Terrestrial and Aquatic Fauna. Report submitted for Detailed Environmental Impact Assessment for Forest Re-entry in T/3283 Singu Camp, Samling, Bintulu.
24. **Jongkar, G.** 2008. Terrestrial and Aquatic Fauna. Report submitted for Detailed Environmental Impact Assessment for Forest Re-entry in T/3284 Seriku Camp, Samling, Bintulu.
25. **Jongkar, G.** 2008. Macrobenthos of Marine Habitats in Similajau Bintulu, Sarawak. Report Submitted for Feasibility Study of the Proposed Similajau Port in Bintulu.
26. **Jongkar, G.** 2008. Macrobenthos of Similajau Coastal Area and Adjacent Water Bodies, Bintulu, Sarawak, Malaysia. Report Submitted for Detailed Environmental Impact Assessment for the Proposed Rio Tinto Aluminium Smelter in Similajau, Bintulu.
27. **Jongkar, G.** 2008. Macrobenthos of Brunei Bay in Sipitang, Sabah. Report Submitted for Detailed Environmental Impact Assessment of the Proposed Sabah Forest Industries Sdn Bhd Pulp and Paper Mill Expansion in Sipitang, Sabah.
28. Che Salmah, M.R., Abu Hassan, A. and **G. Jongkar** 2007. Diversity of Ephemeroptera, Plecoptera and Trichoptera in various tributaries of Temenggor Catchment, Perak, Malaysia. *Wetland Science*, 5(1): 20-30.
29. **Jongkar, G.** 2007. Macroinvertebrate Communities of Murum River System. Report Submitted for Detailed Environmental Impact Assessment of the Proposed Murum Hydroelectric Dam, Belaga, Sarawak.
30. **Jongkar, G.** 2007. Rapid Assessment of Macroinvertebrate Fauna in the 3 KM of Lutong River, Miri. Report Submitted for the Rapid Ecological Assessment of Lutong River.
31. **Jongkar, G.** and L. Nyanti 2007. Distribution Range of Montane Crab, *Sundathelphusa tenebrosa* Holthuis (Decapoda: Brachyura: Parathelphusidae) in Borneo. *Research Bulletin of Faculty of Resource Science and Technology, Universiti Malaysia Sarawak*. Vol. 4, December 2007.
32. **Jongkar, G.** and L. Nyanti 2007. *Crabs, Prawns and Aquatic Insects of Pulong Tau National Park*. ITTO Project PD 224/03 Rev.1(F): Transboundary Biodiversity Conservation – The Pulong Tau National Park,

- Sarawak, Malaysia. International Tropical Timber Organization (ITTO) and Sarawak Forest Department. 52 pp. ISBN 9 789834 325565.
33. Nyanti, L. and **G. Jongkar** 2007. *Fish Fauna of Pulong Tau National Park*. ITTO Project PD 224/03 Rev.1(F): Transboundary Biodiversity Conservation – The Pulong Tau National Park, Sarawak, Malaysia. International Tropical Timber Organization (ITTO) and Sarawak Forest Department. 115 pp. ISBN 9 78934 226046.
 34. Jafaar, K.M., **G. Jongkar** and M.S. Sabki 2005. *Maludam Technical Report: Development and Management of Maludam National Park*. Kuching, Sarawak. 615 pp.
 35. **Jongkar, G.** 2004. Dragonflies. In : *Sarawak Bau Limestone Biodiversity* (Yong, H.S., F.S.P. Ng & E.E.L. Yen eds.) *Sarawak Museum Journal Vol. LIX, No. 80 (New Series), Special Issue No. 6*: 345-350.
 36. **Jongkar, G.** 2004. Aquatic and Semi-aquatic Bugs. In: *Sarawak Bau Limestone Biodiversity* (Yong, H.S., F.S.P. Ng & E.E.L. Yen eds.) *Sarawak Museum Journal Vol. LIX, No. 80 (New Series), Special Issue No. 6*: 333-343.
 37. **Jongkar, G.** 2004. Spiders. In: *Sarawak Bau Limestone Biodiversity* (Yong, H.S., F.S.P. Ng & E.E.L. Yen eds.) *Sarawak Museum Journal Vol. LIX, No. 80 (New Series), Special Issue No. 6*: 327-331.
 38. **Jongkar, G.** and K.K.P. Lim 2004. Fishes. In: *Sarawak Bau Limestone Biodiversity* (Yong, H.S., F.S.P. Ng & E.E.L. Yen eds.) *Sarawak Museum Journal Vol. LIX, No. 80 (New Series), Special Issue No. 6*: 285-298.
 39. Ng, P.K.L. and **G. Jongkar** 2004. Decapod Crustaceans with Descriptions of Three New Species. In: *Sarawak Bau Limestone Biodiversity* (Yong, H.S., F.S.P. Ng & E.E.L. Yen eds.) *Sarawak Museum Journal Vol. LIX, No. 80 (New Series), Special Issue No. 6*: 299-325.
 40. Seow-Choen, F., **G. Jongkar** and M. Naming 2004. Phasmids. In: *Sarawak Bau Limestone Biodiversity* (Yong, H.S., F.S.P. Ng & E.E.L. Yen eds.) *Sarawak Museum Journal Vol. LIX, No. 80 (New Series), Special Issue No. 6*: 391-401.
 41. **Jongkar, G.**, M.R. Che Salmah and A.A. Hassan 2002. The Influence of Stream Orders, Habitats and Microhabitats on the Distribution of Aquatic Insects in Streams of Temenggong Catchment Areas, Perak, Malaysia. In : *Chan Ngai Weng (ed.). Proceeding of the National Conference on Rivers' 99, Toward Sustainable Development*. October 14-17, Universiti Sains Malaysia, Pulau Pinang, Malaysia.
 42. Che Salmah, M.R., A.A. Hassan and **G. Jongkar** 2002. Aquatic Insects Diversities In Kedah, Pinang and Bongors Rivers and Their Potential Use As Indicator of Environment Stress. In : *Chan Ngai Weng (ed.). Proceeding of the National Conference on Rivers' 99, Toward Sustainable Development*. October 14-17, Universiti Sains Malaysia, Pulau Pinang, Malaysia.
 43. Che Salmah, M.R., A. Abu Hassan and **G. Jongkar** 2001. Aquatic Insect Diversity of Lake Feeder Streams as an Indicator of Littoral Zone Ecosystem Health. Proceedings of the 9th International Conference on the Conservation and Management of Lakes. 'Partnerships for Sustainable Life in Lake Environments - Making Global Freshwater Mandates Work'. 11-16 August. 2001. Otsu City, Japan. pp 429-432.
 44. **Jongkar, G.** 2001. Diversity of Stream Insects in the Temenggong Dam Catchment Area, Perak. *M.Sc. Thesis*, Universiti Sains Malaysia, Pulau Pinang, Malaysia.
 45. Salam, M.N.A, A.B. Ahmad, **G. Jongkar** and Y. Yusri 2001. Fish Diversity of Sungai Selangor and Adjacent Water Bodies. *Report for the World Wide Fund (WWF) Malaysia*.
 46. **Jongkar, G.**, M.R. Che Salmah and A.A. Hassan 1999. Distribution of Aquatic Insects in the First Order Streams in Temenggong Catchment Areas, Perak, Malaysia. Paper presented in the ENTOMA 3rd National Conference, 6-7 March 1999, Travel Lodge Hotel, Perlis.
 47. **Jongkar, G.** 1998. Study on Aquatic Insects Diversity as Indicator Species for Water Quality in Temenggong Dam Catchment Area, Perak. *B.Sc. Thesis*, Universiti Sains Malaysia, Pulau Pinang, Malaysia.

EIA CONSULTANT REGISTRATION NO.:

- NREB/I/00717 - Natural Resources and Environmental Board, Sarawak
- C0504 - Department of Environment (DOE), Malaysia
- Had been attended the DOE Induction Course for EIA Consultant at Hilton Hotel, Kuching, Sarawak on 28 - 29 October 2009

- Had been attended one day NREB Consultant's Seminar – Application of International Standard at Kuching, Sarawak on 11 February 2009
- Had been attended Training Workshop on Strategic Environmental Assessment (SEA) using Rapid Assessment Impact Matrix (RIAM) at Kota Kinabalu, Sabah on 15 - 17 September 2008. 18 CPD Hours from DOE

CONSULTANCY WORK EXPERIENCES:

1. July – August 2011. Participated in Environmental Impact Screening for Proposed LKIM Jetty and Facilities Construction at Kg Tg Bako, Kuching, Sarawak on Macrobenthos.
2. March – July 2011: Participated in Detailed Environmental Impact Assessment for Proposed 1 x 1000 MW Supercritical Coal-fired Power Plant Project Mukim Jimah, Port Dickson, Negeri Sembilan on Macrobenthos and Shore Fauna.
3. January – June 2011: Participated in Environmental Impact Assessment for the Proposed Similajau Port, Bintulu on Macrobenthos.
4. April – May 2010: Participated in Pre Environmental Impact Assessment of the Proposed Polycrystalline Silicon Manufacturing Plant, Samalaju Industrial Park on Macrobenthos.
5. January – March 2010: Participated in Detailed Environmental Impact Assessment for the Proposed Ferro-Alloy (Manganese Ferroalloy) Smelting Plant in Similajau, Bintulu, Sarawak on Macrobenthos.
6. March 2009 – March 2010: Participated in Remapping of Environmental Sensitivity Index (ESI) Along Kudat, Sabah to Tanjung Datu, Sarawak for Petronas Management Unit on Epifauna and Infauna.
7. April – December 2009: Participated in Environmental Impact Assessment Study for the Proposed Baleh Hydroelectric Dam, Kapit, Sarawak on Macroinvertebrates.
8. March – November 2009: Participated in Environmental Impact Assessment Study for the Proposed Baram Hydroelectric Dam, Miri, Sarawak on Macroinvertebrates.
9. March – October 2009: Participated in Multidiscipline Assessment of Kuching Wetland National Park, Kuching, Sarawak, Malaysia on Benthic Invertebrates.
10. September – December 2008: Participated in Environmental Impact Assessment Study for the Proposed Similajau Port, Bintulu on Macrobenthos.
11. August – December 2008: Assisted in Environmental Impact Assessment Study for the Proposed Padas Hydroelectric Dam, Tenom, Sabah on Fish & Fisheries and Phytoplankton and Zooplankton.
12. April – December 2008: Assisted in Strategic Environmental Master Plan for Mukah Division, Sarawak on Aquatic Resources.
13. May 2008: Participated in Environmental Impact Assessment Study for Forest Re-entry in T/9089 Damai Cove Inter Hill, Miri on Terrestrial and Aquatic Fauna.
14. June 2008: Participated in Environmental Impact Assessment Study for Forest Re-entry in T/3282 Belaga Camp, Samling, Bintulu on Terrestrial and Aquatic Fauna.
15. June 2008: Participated in Environmental Impact Assessment Study for Forest Re-entry in T/3283 Singu Camp, Samling, Bintulu on Terrestrial and Aquatic Fauna.
16. June 2008: Participated in Environmental Impact Assessment Study for Forest Re-entry in T/3284 Seriku Camp, Samling, Bintulu on Terrestrial and Aquatic Fauna.
17. March - June 2008: Participated in Environmental Impact Assessment Study for the Proposed Rio Tinto Aluminium Smelter in Similajau, Bintulu on Macrobenthos.
18. December 2007: Participated in Environmental Impact Assessment Study for the Proposed Sabah Forest Industries Sdn Bhd Pulp and Paper Mill Expansion in Sipitang, Sabah on Macrobenthos.
19. October 2007: Participated in Rapid Ecological Assessment Study in 3 KM of Lutong River, Miri on Macroinvertebrates.
20. August - October 2007: Participated in Environmental Impact Assessment Study for the Proposed Murum Hydroelectric Dam, Belaga, Sarawak on Macroinvertebrates.

1. **Family name:** Porodong
2. **Given names:** Paul (Dr.)
3. **Date of birth:** 4 April 1970
4. **Passport holder:** Malaysian
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
University of Kent, United Kingdom, 2007	PhD, Environmental Anthropology
Universiti Malaya, Kuala Lumpur, 1997	M.A Anthropology and Sociology
Universiti Malaya, Kuala Lumpur, 1992	B.A (Hons.) Anthropology and Sociology

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Malay	1	1	1

7. **Membership of professional bodies**

Board of Engineer Malaysia (BEM)

Institute of Engineer Malaysia (IEM)

8. **Registrations:**

Department of Environment (DOE) Malaysia: Registration No.: **SS0498**

9. **Present position:** Senior Lecturer of Social Anthropology, School of Social Sciences, Universiti Malaysia Sabah

10. **Years within the firm: 14**

11. **Key qualifications:** Environmental Anthropology

12. **Professional experience**

Period	Employer	Position and Main Activities
June 1998 – Present	School of Science, Universiti Malaysia Sabah	Lecturer

13. **Latest Socioeconomic Research And Consultations**

- Consultant (2006) for JBIC Pilot Study for Knowledge Assistance for Income-Generation through Sustainable Natural Resource Use in Poverty Areas in Sabah. A case study in Kg Gana Resettlement in Kota Marudu Sabah. Research project under UPEN and JICA. (With Dr. Fadzillah, Dr. Rosazman Husin, 2006.)
- Lead Consultant (2008) for Socioeconomic Research and Development Plan for Banggi Island for Government of Malaysia under Ministry of Rural and Regional Development and FELCRA Bhd (with Dr. Asmady Idris and Fazli Abdul Hamid)
- Consultant/Researcher/Technical Advisor (2007/2010) for Sabah Parks and Global Diversity Foundation (UK) in Developing Sustainability Assessment Protocol for Traditional Agriculture in Buayan-Kionop Crocker Range Park, Sabah.
- Socioeconomic Consultant – Leader, (2008) for Social and Environmental Impact Assessment (SEIA) for Proposed Upper Padas Hydroelectric Project-Sabah Electricity Sdn Bhd and Chemsain Konsultant Sdn Bhd. (with Dr. Kntayya Mariappan)
- Research Consultant (2008-2012) for Sabah Parks for Establishing Socioeconomic and Livelihood Data-Base for Community Use Zone Management Plan for Crocker Range Park (with Dr. Agnes Lee Agama, Adam Murphy and James Wong)

- Local Expert Advisor to Darwin Initiative project “Participatory Approaches to Nominating the Crocker Range Biosphere Reserve” (2009-2012) conducted jointly between Global Diversity Foundation (UK), Sabah Parks, PACOS Trust and Community of Buayan-Kionop.
- Socioeconomic Consultant - Leader (2009) for Social Impact Assessment using RSPO guidelines for Genting Permai Oil Palm Plantation, Tongod, Sabah and Chemsain Konsultant Sdn. Bhd. (with Dr Balakrishnan Parasuraman and Dr. Balan Ratakrishnan)
- MS ISO 9001: 2008 Consultant (2009) for ISO Certification for Universiti Malaysia Sabah, Labuan
- MS ISO 9001: 2008 Consultant (2009) for ISO Certification for Department of Property Management, Universiti Malaysia Sabah, Kota Kinabalu

CURRICULUM VITAE

NAME : **Ir. Lim Sin Poh** **DATE OF BIRTH** : 23 December, 1968
PROFESSION : Civil Engineer **NATIONALITY** : Malaysian
POSITION IN FIRM : Director of G&P Water Sdn. Bhd.

KEY EXPERIENCE/SPECIALISATIONS:

- Hydrology and hydraulic analyses
- Planning and design of irrigation, drainage and flood mitigation works

Recent assignments include: Hydrology and Hydraulic analysis for the Proposed Balingian Power Plant
 Capsquare Flood Investigation Work
 Tg Puteri Costal Hydraulic Modelling
 Flood mitigation Project at Jambuk, Kalimantan

QUALIFICATIONS:

B.Eng.Civil Engineering, UTM (1992)
M.Eng(Civil). Nanyang Technological University (NTU), Singapore (1994).

Member, Institution of Engineers, Malaysia.
Professional Engineer, Board of Engineers, Malaysia.
Subject Specialist (River and Coastal Hydraulic) for DOE, Malaysia

LANGUAGES:

Malay - reading, writing, speaking – Good
English - reading, writing, speaking – Good
Chinese - reading, writing, speaking – Good

EXPERIENCE RECORD:

EXPERIENCE WITH G&P WATER SDN BHD (APRIL 2006 – TODATE)

Director

Flood Mitigation Project at Jambuk, Kalimantan Timur

Conceptual design, Hydraulic analysis

Flood Mitigation Project at Laras, Padang, Sumatera

Conceptual design, Hydraulic analysis

Flood Investigation at Capsquare

Flood investigation work

Tg Puteri Coastal Hydraulic Modelling

Project management

Klebang Coastal Hydraulic Modelling

Project Management

Optimization of Tertiary Canal and Irrigation Drainage System

Optimization and Design work

National Water Resource Study (2010)

Water Resources Study and Modelling

Sg Perak IRBM Study

Sediment and Water Resources Study

Sg. Merbok Pollution Prevention and Water Quality Improvement Study

Client: ASPEC, JAS

Conceptual design, Hydrology analysis

Engagement of Specialist Collaborator to Carry out a Dam Break Analysis and the Social, Economic and Environmental Impact for Kenyir Power Station

Client: TNB

Conceptual design, Hydrology & Hydraulic analysis and Dam Break modelling

Proposed Flood Mitigation and Maintenance Scheme for Kelantan River Basin, Kelantan darul Naim

Client: Capital Castle SB – Darul Naim Infra SB JV

Conceptual design, Hydrology & Hydraulic analysis and modelling

Hydraulic Design of Electrified Double - Track Project for Sg.Petani to Padang Besar

Client: MMC Gamuda JV

Conceptual design, Hydrology & Hydraulic analysis and modelling

Water Availability Study at Hartalega Sdn Bhd Water Intake Point

Client: Hartalega Sdn Bhd

Conceptual design, Hydrology & Hydraulic analysis and modelling

Selangor Flood Mitigation and Maintenance Scheme

Client: Wijaya Baru Sdn Bhd

Conceptual design, Hydrology & Hydraulic analysis and modelling

Hydrological Monitoring and Analysis for Putrajaya Dam and Wetlands (Sept 2006 – Aug 2008)

Client: Alam Bersih Sdn. Bhd.

Project management and overall supervision on hydrological data collection, processing, analysis and report preparation

EXPERIENCE WITH RPM ENGINEERS SDN BHD – OCTOBER 2001 TO MARCH 2006

Senior Engineer

Maintenance of Hydrological Databases Management and Monitoring of Putrajaya Dam.(2003-2006)

Client: KLCCUH

Data collection, analysis and reporting

Rekabentuk Terperinci Bagi Projek Pembinaan Struktur Kawalan Hakisan Pantai di Pantai Sabak, Kelantan (2004-2006)

Client: Jabatan Pengairan dan Saliran Malaysia

Project management

Rancangan Tebatan Banjir (RTB) Kawasan Bertam-Kepala Batas, Daerah Sebarang Prai Utara, Pulau Pinang (2004-2006)

Client: Jabatan Pengairan dan Saliran Malaysia

Hydraulic Analysis, design and project management.

Cadangan untuk Memulih, Mengindah, Melindungi Pantai dan Persisiran Pantai-Pantai di Malaysia Terutama di Morib, dan di Port Dickson dengan Membina Kaedah Beach Management System (2003)

Client: JKR

Design and Coordination.

Kuala Lumpur Flood Mitigation – Package Batu/Jinjang Pond and Related Flood Diversions (2002)

Client: JPS

Design and Coordination

Membina Jalan Dari Ulu Pauh Melalui Chuping Ke Padang Besar, Perlis (2002)

Client: JKR

Coordination on bridge design

Hydrological Study for Stormwater Runoff Problems in Putrajaya Wetland (2002)

Client: KLCC Urusharta Sdn Bhd

Hydrology and hydraulics analysis and design

Sg Kangsar Flood Mitigation Study (2001)

Client: Department of Irrigation & Drainage

Hydraulics analysis, planning and design

EXPERIENCE WITH LOH & LOH CONSTRUCTION SDN BHD (May 2000 to Oct 2001)

Construction Manager

Rawang-Ipoh Double Tracking (2001)

Client: UEC

Planning & execution of construction works

Section Head

Costing, planning and execution of construction of railway bridge. Rasa Water Treatment Plant Sg. Selangor Phase 3 (2000/2001)

Client: Gamuda Construction Sdn Bhd

Planning & execution of construction of water treatment plant of 125 Mld capacity
(Contract Value : 160M)

EXPERIENCE WITH SANTARLI CONSTRUCTION PTE LTD

Project Engineer

Construction of 7 Blocks of Condominium, Sembawang. (1998/2000)

Client: Central Point Ltd (CPL)

Planning and leading the technical department on a design and Built - Project.
(Contract Value : S\$51M)

EXPERIENCE WITH JURUTERA PERUNDING CEKAP (July 1996 – July 1998)

Civil & Structural Engineer

Balestrial, Moulmein Upgrading (1998/99)

Client: Housing Development Board, HDB Singapore.

Planning and execution of HDB upgrading work involved large volume of precast installation, precinct facilities construction. (Contract Value: S\$71M)

Various Housing, factory Project (1996/98)

Client: G2-Holding, Kundang Properies, Axis Development, Econ Development etc.

Civil & structural design, e.g. earthwork, road & drainage, sewerage reticulation & water reticulation design.
RC Structural, steel structural design.

EXPERIENCE WITH SMHB SDN BHD (July 1994 – June 1996)

Hydrologist and Hydraulic Engineer

Muda, Pedu and Ahning Dam Inspection (1996)

Client: Department of Irrigation & Drainage

Conducting Hydraulic simulation and analysis

Sg. Langat Flood Mitigation (1996)

Client: Sunrise Bhd

Conducting Hydraulic simulation and analysis

Kelantan River Flood Mitigation project (1995)

Client: Department of Irrigation & Drainage

Conducting Hydrological simulation and analysis

Northwest Selangor Integrated Agricultural Development Project. (1995)

Client: Department of Irrigation & Drainage

Conducting Hydrological simulation and analysis

Sarawak Kiri Dam Feasibility Study (1994)

Client: Department of Irrigation & Drainage

Conducting Hydrological simulation and analysis

Congok Treatment Plant, Mersing, Johor. (1994)

Client: Syarikat Air Johor

Civil design of treatment plant

EXPERIENCE WITH TECHNOLOGICAL UNIVERSITY (1992-1994)

Research Assistant

Modelling of Pollutant Distribution of Marina Bay, Singapore. (1992- 1994)

Client: Environmental Department, Government of Singapore

Assist in numerical, physical modeling, field measurement and laboratory analysis

PAPERS WRITTEN AND PRESENTED

1. Lim S.P (1994), *Numerical Modelling of Suspended Solids Distribution in Marina Bay*, Paper presented in the International Conference of Hydraulic, IAHR Singapore, 1994.
2. Lim S.P (1995), *Hydrological Consideration in Design of Kemubu and Lebir Dam*, Paper presented in the MWA International Conference on Dam Engineering, 1995.
3. Lim S.P, Cheok H.S. (2007), *2D Flood Modelling of Sg. Damansara*, Paper presented in the 2nd International Conference on Managing Rivers in 21st Century, Kuching, Sarawak, 2007.
4. Lai E.N, Cheok H.S., Lim S.P, Chong S.F (2007), *Development and Application of a 2D model for Sg. Damansara*, Paper presented in IEM Water Resources Colloquium, 2007
5. Lim S.P., Cheok, H.S. (2009), *Two-dimensional Flood Modelling of the Damansara River*, Paper published in Water Management (162) Proceedings of the institution of Civil Engineers (ICE), Feb 2009.
6. Lim S.P., Lee C.S.,(2010), *Water Resources Modelling Using Hec-Ressim*, Paper presented in the 15th Mancid Annual Conference in Grand Riverview Hotel, Kota Bharu, Kelantan, 2010.
7. Lim Sin Poh, Engr. John Lim Chee Kiang & Engr. Lau Mee Chong, *Rainwater Harvesting for Rain Shelter Farming at Lojing Highland*, paper presented in the 15TH International Rainwater Catchment Systems Conference, April, 2011, Taipei, Taiwan

ASSOC. PROF. IR. DR. ZAKI ZAINUDIN
Ph. D. (Env. Eng.), P. Eng. (Chemical), M. Sc. (Env. Eng.), B. Eng. (Chemical) (Hons.), CEnv (UK)
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Web : <http://zakizainudin.blogspot.com>

AREA OF EXPERTISE

Water Quality Characterization and Assessment ; Physical, chemical and biological characteristics and kinetics of water and wastewater constituents, such as DO, BOD₅, uBOD, *slow*-BOD, *fast*-BOD, TOC, COD, ThOD, Ammonia-N, Nitrate, Nitrite, Phosphate, TSS, *TC*, *FC*, *E. coli* etc.

Water Quality Modeling ; utilization of QUAL2E/2K in development of mitigation strategies, impact assessment and rehabilitation measures. Analysis includes Total Maximum Daily Load (TMDL) characterization, Waste Assimilative Capacity (WAC) determination and Waste Load Allocation (WLA) development.

ACADEMIC / PROFESSIONAL QUALIFICATIONS

1. **Doctor of Philosophy (Environmental Engineering) (2011)**, Universiti Teknologi Malaysia, specializing in Water Quality and Modeling.
2. **Professional Engineer (Chemical) (2010)**, Board of Engineers Malaysia, specializing in Environmental and Water Quality Engineering.
3. **Master of Engineering (Environmental) (2005)**, Universiti Teknologi Malaysia, majoring in Water Quality Characterization and Modeling.
4. **Bachelor of Engineering (Chemical) (Hons.) (2003)**, Universiti Teknologi Malaysia, majoring in Environmental Engineering and Simulation.
5. **Chartered Environmentalist (2009)**, Society for the Environment (SocEnv), United Kingdom (UK).

CAREER PATH

Associate Professor , Department of Biotechnology Engineering, Kulliyah of Engineering, International Islamic University Malaysia.	2012 - present
Academic Fellow , Department of Biotechnology Engineering, Kulliyah of Engineering, International Islamic University Malaysia.	2011
Lecturer , Faculty of Chemical Engineering, Universiti Teknologi MARA (UiTM), 40450, Shah Alam, Selangor, Malaysia.	2007 – 2010
Director , Ecolestari Consult Sdn. Bhd., 23-2, 1st Floor, Jalan USJ 21/1, UEP Subang Jaya, 47630, Subang Jaya.	2008 – present*
Environmental Consultant , Alam Sekitar Malaysia Sdn. Bhd. (ASMA), 19, Jalan Astaka U8/84, Bukit Jelutong Business and Technology Centre, 40150 Shah Alam, Selangor, Malaysia.	2006 – 2007
Research Officer/Environmental Consultant/Research Assistant , Universiti Teknologi Malaysia (UTM), 81310, Skudai, Johor, Malaysia.	2003 – 2006

EXPERT PANELIST / OFFICIAL ASSIGNMENTS FOR THE GOVERNMENT OF MALAYSIA

1. **Expert Panelist, Sg. Merbok River Rehabilitation Project (Rancangan Malaysia Ke-9): Water Quality Modeling and Decision Support System (DSS)**, Department of Environment (DOE).
2. **Judging Panel, World Water Monitoring Day (WWMD)**, Water Environment Federation (WEF) and International Water Association (IWA).
3. **Expert Panelist - Water Quality Index (WQI) review appointed by** Alam Sekitar Malaysia Sdn. Bhd. (ASMA) and Department of Environment Malaysia (DOE).
4. **Expert Panelist (Water Quality) appointed by Malaysian Environmental Resources Centre (MERC) and Department of Environment Malaysia** – Development of Malaysian Marine Water Quality Index (MWQI).
5. **Expert Panelist (Water Quality, Modeling and Hydrology) appointed by the Department of Environment Malaysia** - Detailed Environmental Impact Assessment (DEIA) on the Proposed 157,500 TPY Paper Mill On Lots 447, 448, 449 and 723, Mukim 5, Daerah Seberang Perai Selatan, Pulau Pinang,
6. **Expert Panelist (Water Quality, Modeling and Hydrology) appointed by the Department of Environment Malaysia** – Detailed Environmental Impact Assessment (DEIA) on the Proposed Butadiene Rubber Plant and Feedstock Transfer Pipe at Tanjung Langsat Industrial Estate, Johor.
7. **Specialist Reviewer (Water Quality and Modeling) appointed by the Department of Environment Malaysia** - Water Quality Re-Modeling for the Proposed 1,000 Hectare Integrated Shrimp Aquaculture Park (iSHARP) in Setiu, Terengganu.
8. **Specialist Advisor (Water Quality), appointed by AMR Environmental Sdn. Bhd.** – Environmental Management Plan Kualiti Alam 2011.

SPECIAL APPOINTMENTS AND RECOGNITIONS

1. ***Associate Consultant**, Ecolestari Consult Sdn. Bhd. (*first appointment*)
2. **Associate Consultant**, Alam Sekitar Malaysia Sdn. Bhd. (ASMA).
3. **Associate Consultant**, R-Sync Technical Resources Sdn. Bhd.
4. **Member**, Water Quality Research Group (WQRG), inter-university collaboration.
5. **Management Committee, Water Resources Technical Division**, Institution of Engineers Malaysia (IEM).
6. **Management Committee, Watershed and River Basin Management Specialist Group**, International Water Association (IWA), United Kingdom.
7. **Water Supply Design Guidelines Review Committee**, Malaysian Water Association (MWA).
8. **Water Demand Management Group**, Permanent IEM Representative to Malaysian Nature Society (MNS).
9. **Excellent Researcher Award 2008**, Faculty of Chemical Engineering, Universiti Teknologi MARA.
10. **Thean Lip Thong Prize**, outstanding technical paper, Institution of Engineers Malaysia (2009).
11. **Technical Paper Reviewer/Referee, Water Science and Technology Journal**, International Water Association (IWA).
12. **Technical Paper Reviewer/Referee, Jurutera Bulletin**, Institution of Engineers Malaysia (IEM).
13. **Advisor to UiTM Students' ENGINE Union**, Universiti Teknologi MARA (UiTM).
14. **IEM Position Paper on Water Quality and Environment**, Institution of Engineers Malaysia (IEM).
15. **Attachment Supervisor (Water Quality Modeling)**, National Institute of Oceanography (NIO), India.
16. **Best PhD Student (Env. Eng.)**, School of Graduate Studies, Universiti Teknologi Malaysia.
17. **Gold Medal**, Banana Peels : A Novel Renewable Source for Bio-Protein Production, Parveen Jamal, Olorunnisola Kola Saheed, Md. Zahangir Alam and **Zaki Zainudin**, International Islamic University Malaysia Research, Invention and Innovation Exhibition (IRIIE 2012).

PROFESSIONAL MEMBERSHIPS

Society of Environmental Engineers (SEE, United Kingdom), Corporate Member. (Membership Number : M 3166)	2009 – current
Board of Engineers Malaysia (BEM), Professional Engineer. (Registration No. 14465)	2005 – current
Institution of Engineers Malaysia (IEM), Corporate Member. (Membership No. 27578)	2007 – current

International Water Association (IWA), Member, Watershed and River Basin Management Specialist Group. (Membership No. 00977612)	2008 – current
Department of Environment (DOE), EIA Registration Scheme, Subject Consultant. (Registration No. SS0205)	2007 – current
Malaysian Nature Society (MNS) (Membership No. O N 26966 B)	2009 - current
Construction Industry and Development Board (CIDB), Green Card Holder. (Card No. W91091020060005)	2006 – 2008
Petronas-NIOSH Safety Passport Holder. (Card No. W002180N)	2006 – 2010

FACULTY/UNIVERSITY APPOINTMENTS

1. Deputy Director, Advanced Engineering and Innovation Centre (AEIC), Kulliyah of Engineering, International Islamic University Malaysia (IIUM).
2. Chairman, Sponsorship Committee, IIUM Engineering Congress 2012, Faculty of Engineering, IIUM.
3. Editor, "Research and Development in Biotechnology Engineering at IIUM". Department of Biotechnology Engineering, Faculty of Engineering, IIUM.
4. Laboratory Coordinator, Department of Biotechnology Engineering, Faculty of Engineering, IIUM.
5. Coordinator, Consultancy and Industrial Linkages, Bioenvironmental Engineering Research Unit (BERU), Department of Biotechnology Engineering, Faculty of Engineering, IIUM.
6. Research Management Unit (RMU) Coordinator, Faculty of Chemical Engineering, UiTM.
7. Industrial Training Coordinator, Faculty of Chemical Engineering, UiTM.
8. Chemical Engineering Pilot Plant (CEPP), Technical Review Committee member, UiTM.

POST GRADUATE SUPERVISIONS AND RESEARCH ACTIVITIES

1. "Development of National Event Mean Concentration (EMC) of Storm Runoff Quality Database for the Non-Point Source Pollution Control in Malaysia", Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MOHE), (Research Grant : RM 43,000), 2012, Abdullah Al-Mamun, Suleyman Aremu Muyibi, Mohd. Noor Salleh, Azni Idris and Zaki Zainudin.

2. "Pollution Load Determination, Assessment and Management in IIUM River through Development of QUAL2K Water Quality Model", Endowment B (IIUM Research Fund : RM 20,000), Zaki Zainudin, Saedi Jami and Maan Fahmi Al-Khatib.
3. Ms. Iman A.F Husain (Postgraduate Committee), "Analysis and Modeling of Fat, Oil and Grease Deposit Formation in Sewer Network", 2012 – current (M. Eng.).
4. Ms. Aina Shazwani Binti Zabidi, "Water Quality Modeling Study On The Effects Of Ammoniacal Nitrogen (NH₃-N) Pollution Load Towards Fish Kill Incidences In Sg. Balak And Sg. Langat", 2012 – current (B. Eng.).
5. Ms. Chew Mei Ling (co-supervisor), "Artificial Immune System in Prediction of Non Point Source Pollution in Streamflow", 2011 - current (PhD candidate, Universiti Tenaga Nasional).
6. Ms. Yati Kamarudzaman (co-supervisor), "Assessment of Carbonates in Tropical Rivers", 2011 – current (PhD candidate, Universiti Teknologi MARA).
7. Mr. Renjith VR (attachment supervisor), "Water Quality Model Development for the West Coast of India", June 2011 – September 2011 (PhD candidate, National Institute of Oceanography (NIO), Goa, India).
8. "River Water Quality Modeling : A Practical Approach", Endowment A (IIUM Fund), Zaki Zainudin (Amount : RM 5,000).
9. Ms. Noorwahidah Syaira Bt Mohd Said, "Water Quality Modeling Of IIUM River Focusing On Total Suspended Solids Contamination", 2011 – current (B. Eng.).
10. Ms. Anyliah Binti Jupirin, "Non-Point Source Pollution Characterization Within IIUM River Watershed", 2011 – current (B. Eng.).
11. "Mechanisms and Kinetics of Metal Bioleaching", Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MOHE), (Research Grant : RM 51,120), 2010, Jefri Jaapar and Zaki Zainudin.
12. Mr. Phi Wah Too, "To design and build the 220 m³/hr wastewater treatment plant : Konzen Sdn. Bhd.", (Master of Science Program (Process Plant Management), Chemical Engineering Pilot Plant (CEPP), Faculty of Chemical and Natural Resources Engineering, Universiti Teknologi Malaysia), 2009 – completed.
13. Mr. Richard Herbert, "The Water Quality of the Rejang River in light of increasing Anthropogenic Activity and the Social Implications", (European MSc. Water and Coastal Management), School of Earth, Ocean & Environmental Sciences, Faculty of Science, University of Plymouth, 2009 – completed.
14. Ms. Norizan Bt. Abdullah, "Carbonaceous Biochemical Oxygen Demand (cBOD) Speciation and Kinetic Profiling", 2008 – ongoing (M. Eng.).
15. "Study on A Composting Enhancer Bacterial of an Internal Source of Food Scrap", Penyelidikan Dana Kecemerlangan, (Research Grant : RM 12,000), 2008, Jefri Jaapar, Zaki Zainudin and Umi Kalthum Ibrahim.
16. Mr. Roslim Ramli, "Kinetic Effects and Correlation of Induced Salinity on BOD₅ from Various classifications of Ambient Water Samples", 2008 – completed (B. Eng.).
17. Ms. Siti Nor Aisah Abd. Razak, "Extensive Performance Comparison of Reaeration Coefficients, k₂, through QUAL2E Model Calibration and Custom Program Simulation Development", 2008 – completed (B. Eng.).
18. Ms. Nor Fatimah Munin, "Kinetic Effects and Correlation of Induced Salinity on BOD₅ from Various classifications of Ambient Water Samples", 2009 – incomplete (B. Eng.).
19. Mr. Mohd. Shahrul Izhwan Asari, "Coastal Dispersion Modeling of Similajau Bay", 2009 – completed (B. Eng.).

20. Ms. Noor Arina Binti Alias, "QUAL2K Sg. Kuantan Model Development and Waste Assimilative Capacity (WAC) study", 2009 – completed (B. Eng.).

COURSES CONDUCTED

-	Decision Support System (DSS) for Integrated River Basin Management	Professional Course
-	QUAL2E/2K River Water Quality Modeling	Professional Course
-	Water Quality Parameters and Characterization	Professional Course
BTE6307	Drinking Water Quality and Treatment Processes	M. Sc. (Biotechnology Eng.), IIUM
BTE6303	Biological Waste Treatment Design	M. Sc. (Biotechnology Eng.), IIUM
MKL1153	Environmental Management Plan (EMP)	M. Sc. (Process Plant Management), CEPP, UTM
ECW716	Environmental Assessments	M. Sc. (Environmental), UiTM
BTE4216	Biomass Energy	B. Eng. (Biotechnology Eng.), IIUM
CHE675 / CPE625	Environmental Engineering	B. Eng. (Chemical & Process), UiTM
CPE695	Environmental Impact Assessment (EIA)	B. Eng. (Chemical & Process), UiTM
CPE665	Air Pollution Engineering	B. Eng. (Chemical & Process), UiTM
CPE675	Wastewater Engineering	B. Eng. (Chemical & Process), UiTM
CPE674	Project Thesis	B. Eng. (Chemical & Process), UiTM
CHE691	Leadership and Professional Ethics	B. Eng. (Chemical), UiTM
CHE435	Material Science	B. Eng. (Chemical), UiTM
CHE483	Thermodynamics	B. Eng. (Chemical), UiTM

CONSULTANCY

Detailed Environmental Impact Assessment (DEIA) for the Proposed Tertiary Butyl Alcohol (TBA), Naphtha and Benzene Storage at TITAN Terminal 3, Pasir Gudang Industrial Estate. Water Quality Assessment and Modeling for Ecolestari Consult Sdn. Bhd., Daya Eco Techno and Evyap Sabun Sdn. Bhd.	February 2012
Preliminary Environmental Impact Assessment (PEIA) for the Proposed Oleochemical Complex at Tanjung Langsat Industrial Park, Pasir Gudang, Johor. Field survey, Sampling, Water Quality Assessment and Modeling for Ecolestari Consult Sdn. Bhd., Daya Eco Techno and Evyap	February 2012

Sabun Sdn. Bhd.

Water Quality Impact Assessment study for the Proposed Development of 835,000 PE Centralized Sewage Treatment Plant (CSTP) in Kajang, Selangor for Erinco Sdn. Bhd. and Japanese International Cooperation Agency (JAICA).	February 2012
Preliminary Environmental Impact Assessment (PEIA) for the Proposed Ulu Tiram Mixed Development. Field survey, Sampling, Water Quality Assessment and Modeling for Asian Environmental Solutions Sdn. Bhd.	January 2012
Preliminary Environmental Impact Assessment (PEIA) for the Kulai Medium Industry Development. Field survey, Sampling, Water Quality Assessment and Modeling for Ecolestari Consult Sdn. Bhd.	November 2011
Environmental Impact Assessment (EIA) for the Proposed Tawau Hydroelectric Dam project (Tawau Catchment). Water Quality Modeling for GNP Engineers Sdn. Bhd.	October 2011
Preliminary Environmental Impact Assessment (PEIA) for the Proposed Prai Power Plant, Baseline Marine Water Quality Study for R-Sync Technical Resources Sdn. Bhd.	September 2011
Site Investigation, Water Quality and Sediment Characterization for Bintulu Port Authority, Chemsain Konsultant and Ecolestari Consult Sdn. Bhd.	August 2011
Water Quality Modeling study pertaining to the impact of Non-Point Source Pollution for Kualiti Alam Sdn. Bhd. and AMR Environmental Sdn. Bhd.	June 2011
Detailed Environmental Impact Assessment (DEIA) for the Proposed Temerloh Sanitary Landfill, Water Quality Assessment and Modeling for Enviro Enhance Sdn. Bhd. and Jabatan Pengurusan Sisa Pepejal Negara (JPSPN)	April 2011
Water Quality and Effluent Characterization for Ecolestari Consult Sdn. Bhd. and Esso Port Dickson Refinery.	February 2011
Environmental Impact Assessment (DEIA) for the Proposed Ampang Jajar and Jelutong Solid Waste Transfer Stations, Water Quality Assessment and Modeling for Ecolestari Consult Sdn. Bhd.	March 2011
Environmental Impact Assessment (EIA) for the Proposed Mukim Klang Centralized Sewage Treatment Plant (CSTP), Water Quality Monitoring, Assessment and Modeling for Ecolestari Consult Sdn. Bhd. and Indah Water Konsortium Sdn. Bhd. (IWK)	February 2011
Environmental Impact Assessment (EIA) for Proposed Desaru Development Region, Rapid Water Quality Monitoring, Assessment and Modeling for Erinco Sdn. Bhd. and Desaru Development Corporation (DDC)	January 2011

Detailed Environmental Impact Assessment (DEIA) for the Proposed Lahat Sanitary Landfill, Water Quality Assessment and Modeling for Malaysian Environmental Resources Center (MERC) and Jabatan Pengurusan Sisa Pepejal Negara (JPSPN)	November 2010
Water Quality Modeling study for the proposed biomass plant at Kinabatangan, Sabah for Chemsain Konsultant Sdn. Bhd.	September 2010
Water Quality Modeling study for proposed palm oil mill at Kalabakan, Sabah for Chemsain Konsultant Sdn. Bhd.	September 2010
Environmental Impact Assessment (EIA) for the Proposed Balai Panjang Centralized Sewage Treatment Plant (CSTP), Water Quality Monitoring, Assessment and Modeling for Erinco Sdn. Bhd. and Indah Water Konsortium Sdn. Bhd. (IWK)	August 2010
Preliminary Environmental Impact Assessment (PEIA), Water Quality Monitoring and Assessment of Sg. Bongkok, Gurun, Kedah, for R-Sync Technical Resources Sdn. Bhd.	July 2010
SPECIAL STUDY : Esso Port Dickson Refinery Water Quality study, Principal Consultant and Water Quality Modeling for Ecolestari Consult Sdn. Bhd.	July 2010
SPECIAL STUDY : RMK-9 Project : Sg. Terengganu Integrated River Basin Management (IRBM) study, Water Quality Modeling for Alam Sekitar Malaysia Sdn. Bhd. and Department of Irrigation and Drainage (DID)	May 2010
Environmental Impact Assessment (EIA) for the Proposed Agricultural Development at Mukim Ulu Nenggiri, Daerah Bertam, Gua Musang, Kelantan. Field Survey, Sampling and Water Quality Modeling for MAB Environmental Consultants Sdn. Bhd.	March 2010
SPECIAL STUDY : Raub Australian Goldmine (RAGM) river water quality modeling study pertaining to the assessment and impact of cyanide in gold refining process. Field Survey, Sampling and Water Quality Modeling for Alam Sekitar Malaysia Sdn. Bhd. (ASMA)	January 2010
Environmental Impact Assessment (EIA) for the Proposed Baleh Hydroelectric Dam project (Rejang Catchment). Field Survey, Sampling and Water Quality Modeling for Chemsain Konsultant Sdn. Bhd.	October 2009
SPECIAL STUDY : <i>Kajian Impak Aktiviti Perladangan dan Kilang Kelapa Sawit Serta Bahan Cemar Lain ke atas Kualiti Air Sungai-Sungai Tertentu di Sabah</i> (Study on the Impact of Palm Oil Mill Effluent (POME) and other pollution sources towards water quality of selected rivers in Sabah). Field survey, sampling, water quality modeling and overall Project Advisor for Envsolve Sdn. Bhd.	September 2009

Environmental Impact Assessment (EIA) for the Proposed Tokuyama Polysilicone Plant in Samalaju Industrial Estate, Sarawak Corridor for Renewable Energy (SCORE). Field survey and Costal Dipersion Modeling for Chemsain Konsultant Sdn. Bhd.	June 2009
SPECIAL STUDY : RMK-9 Project : <i>Kajian Pencegahan Pencemaran dan Peningkatan Kualiti Air Sg. Kuantan</i> (Pollution Prevention and Water Quality Improvement of Sg. Kuantan catchment) – Water Quality Modeling Team leader.	June 2009
Water quality characterization, assessment and modeling study of Sg. Pahang for Malaysian Newsprint Industries (MNI) and Alam Sekitar Malaysia Sdn. Bhd. (ASMA) effluent discharge point swapping for written approval.	June 2009
UFILTA mobile filtration unit removal efficiency testing (coliform organisms) for AquaFilta Sdn. Bhd.	January 2009
Environmental Impact Assessment (EIA) for the Proposed UiTM Serendah campus in Mukim Serendah, District of Hulu Selangor, Selangor Darul Ehsan. Water Quality Survey and Modeling for Europasia Engineering Sdn. Bhd.	January 2009
Project Manager for drafting of Denai Alam Housing Estate Environmental Management Plan (EMP) for Ecolestari Consult Sdn. Bhd.	December 2008
Project Consultant for Sigma Water Engineering Sdn. Bhd. Palm Oil Mill Effluent (POME) Polishing and Reverse Osmosis (RO) reject pilot study and process optimization.	November 2008
SPECIAL STUDY : Water Quality Improvement study for selected catchments in Pulau Pinang (Jabatan Pengairan dan Saliran (JPS)) for ECS Consulting Sdn. Bhd.	November 2008
Detailed Environmental Impact Assessment (DEIA) for Proposed Upgrading of Clinical Waste Thermal Treatment Facility at Telok Panglima Garang, Radicare Sdn. Bhd. Water Quality Survey and Modeling for Perdana Environmental Technology and Services.	August 2008
Detailed Environmental Impact Assessment (DEIA) of Proposed Kualiti Alam Modularized Incinerator (KAMI), Bukit Nenas, Negri Sembilan. Water Quality Survey and Modeling (Sg. Runtoh) for AMR Environmental Sdn. Bhd.	July 2008
Detailed Environmental Impact Assessment (DEIA) of Proposed Aluminium Smelter Plant, Similajau, Sarawak. Field Survey and Costal Dipersion Modeling for Chemsain Konsultant Sdn. Bhd.	June 2008

Detailed Environmental Impact Assessment (DEIA) of proposed “Projek Hasil Tani Berteknologi Tinggi Di Atas Lot 451, Mukim Ulu Telom, Pinggiran Bertam, Daerah Cameron Highlands”, Pahang Darul Makmur. Water Quality Modeling (Sg. Bertam) for Europasia Engineering Sdn. Bhd.	May 2008
Project Manager for drafting of Desa Melawati Township Environmental Management Plan (EMP) for R-Sync Technical Resources Sdn. Bhd. and Ecolestari Consult Sdn. Bhd.	May 2008
SPECIAL STUDY : IWK Sg. Langat and Sg. Selangor River Water Quality Modeling update 2008 with regards to in-stream water quality assessment and improvement related to the development of Centralized Sewage Treatment Plants (CSTPs) for Alam Sekitar Malaysia Sdn. Bhd.	December 07 – February 08
Preliminary Environmental Impact Assessment (PEIA) proposed Sewage Treatment Plant (STP) in relation to the development of International Islamic University Malaysia (IIUM) new campus at Janda, Baik, Pahang Darul Makmur. Water Quality Modeling of Sg. Benus and impact assessment for Erinco Sdn. Bhd.	December 2007
Detailed Environmental Impact Assessment (DEIA) of proposed Sabah Forest Industry (SFI) Pulp and Paper Mill expansion, Sipitang, Sabah. Coastal Dispersion for Chemsain Konsultant Sdn. Bhd.	November 2007
SPECIAL STUDY : Sg. Sepetang River Rehabilitation Project Task Force 4, Water Quality Analysis, Loading Estimation, Data Evaluation and Interpretation Project Manager, with Unit Perundangan Universiti Malaya (UPUM) for Department of Environment (DOE) Malaysia.	June – August 2007
Automatic Continuous Water Quality Monitoring (CWQM) site assessment and selection for Perbadanan Bekalan Air Pulau Pinang (PBA) Sg. Dua Water Treatment Plant, Seberang Prai, Pulau Pinang.	July 2007
Taman Sri Manja Hydrogen Sulphide monitoring Project Manager for Majlis Perbandaran Petaling Jaya (MPAJ).	June 2007
Perak Forestry Department Macro EIA (MEIA), Carbon Sink Analysis, Baseline Environmental Monitoring and assessment for proposed tree harvesting activities.	March 2007

Project Manager ;	January 2007
1. Jelutong Sewage Treatment Plant (JSTP) Environmental Audit & Monitoring.	
2. Port Dickson Power Berhad Environmental Monitoring.	
3. Projek Lebuhraya Utara Selatan (PLUS) Wastewater Effluent Monitoring.	
4. Lafarge Malayan Cement (Kanthan Works) Stack Monitoring.	
5. Megasteel Sdn. Bhd. Ambient Air Quality and Boundary Noise Monitoring.	
6. PPG Coatings (M) Environmental Monitoring.	
7. GEA Baseline Monitoring (East Coast Highway).	
SPECIAL STUDY : Project Manager for Indah Water Konsortium (IWK) Sg. Selangor River Water Quality Modeling project; comprehensive study with regards to sewage pollution sources within river basin. In collaboration with Universiti Malaya (UM) and Spatialworks Sdn. Bhd. coherent to National Sewerage Master plan.	August – November 2006
Detailed Environmental Impact Assessment (DEIA) of proposed Bukit Kalam Sanitary Landfill, Labuan, Sabah. Water Quality Survey and Modeling (Sg. Anggak) for Chemsain Konsultant Sdn. Bhd.	August 2006
Environmental Impact Assessment (EIA) of proposed Keningau Sanitary Landfill, Keningau district, Sabah. Water Quality Survey and Modeling (Sg. Suan) for Sinoh Environmental Sdn. Bhd.	August 2006
Detailed Environmental Impact Assessment (DEIA) of proposed Perhentian Tinggi Sanitary Landfill, Negri Sembilan. Water Quality Survey and Modeling (Sg. Batang Badak) for Ecotone Sdn. Bhd.	June 2006
Detailed Environmental Impact Assessment of proposed Ulu Jelai Hydroelectric Dam, Pahang. Preliminary Site Assessment for Perdana Environmental Sdn. Bhd.	June 2006
Community Service for Malaysian Nature Society regarding Palm Oil Mill Effluent (POME) impact. Water Quality Survey and Modeling (Sg. Mupur).	May 2006
Environmental Impact Assessment (EIA) of proposed Faber Medical Waste Incinerator capacity expansion, Kamunting, Perak. Water Quality Assessment and Modeling (Sg. Malai) for Perdana Environmental Sdn. Bhd.	May 2006
River Water Quality Modeling of Ammoniacal Nitrogen leachate impact from Bukit Tagar Sanitary Landfill towards Sg. Selangor river basin for Alam Sekitar Malaysia Sdn. Bhd. (ASMA).	April 2006

River characterization and setting up of Sg. Kedah water quality model for Alam Sekitar Malaysia Sdn. Bhd. (ASMA). Assessment of withdrawal (for irrigation) towards downstream water quality (particularly Alor Setar and Kuala Kedah reaches).	April 2006
Detailed Environmental Impact Assessment (DEIA) of proposed Shah Alam Waste Transfer Station, Selangor. Water Quality Survey and Modeling (Sg. Damansara) for Ecotone Sdn. Bhd.	January 2006
Environmental Impact Assessment (EIA) of proposed TITAN Petrochemicals Sdn. Bhd. expansion, Johor. Water Quality Survey and Preliminary Site Assessment (Sg. Buloh).	January 2006
SPECIAL STUDY : Conducted Water Quality Analysis, Modeling, Watershed Delineation and Point Source Characterization of Pasir Gudang Industrial Area (Sg. Perembi watershed). Presented mitigation proceedings via Waste Load Allocation Strategy (WLA) to the Department of Environment, Johor and Pasir Gudang Local Authority (PBTPG) under the Partnership in River Enhancement Program (PREP).	March 2004 – January 2005
Water quality analysis and evaluation of Oxidation Pond discharge impacts downstream of watershed for Pejabat Pengarah Kerja, UTM., under the Institute of Environmental and Water Resource Management (IPASA).	March 2003 – October 2003

TALKS

Speaker	2 – 4 May 2012	“River Water Quality Modeling Workshop”, Department of Environment (DOE) Malaysia, Putrajaya.
Speaker	21 November 2011	“Career Development Opportunities in the IWA”, International Water (IWA) Association Development Congress, Kuala Lumpur Convention Center.
Speaker	21 - 22 September 2011	“Training on Sustainable Management of the Environment - Meeting the Requirements through Water Quality Monitoring”, Environmental Management and Research Association of Malaysia (ENSEARCH), Kota Damansara.
Speaker	27 – 28 July 2011	“Training on River Water Quality Modeling”, Environmental Management and Research Association of Malaysia (ENSEARCH), Kota Damansara.
Speaker	27 July 2011	“Seminar Program Pemantauan Kualiti Air Sungai Malaysia 2011”, Alam Sekitar Malaysia (ASMA) and Department of Environment Malaysia (DOE), Heritage Hotel, Ipoh, Perak.

ASSOC. PROF. IR. DR. ZAKI ZAINUDIN
Ph. D. (Env. Eng.), P. Eng. (Chemical), M. Sc. (Env. Eng.), B. Eng. (Chemical) (Hons.), CEnv (UK)
MIEM (MY), MSEE (UK), MIWA (UK)

Co-presenter	9 June 2011	“River Remediation : Approaches and Methodologies”, Seminar 1 Sungai, Negeri Bandar Teknologi Hijau, Sempena Pesta Sungai Melaka 2011, Casa Del Rio Hotel, Melaka.
AGM Chairman	21 May 2011	“Water Resources Technical Division Annual General Meeting (AGM)”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Speaker / Secretariat	17 – 19 May 2011	“International Conference on Biotechnology Engineering (ICBioE) 2011, International Engineering Congress (IEC)”, Faculty of Engineering, International Islamic University Malaysia (IIUM), Legend Hotel, Kuala Lumpur.
Session Chairman	28 April 2011	“Water Quality Modeling with Climate Change”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Session Chairman	23 March 2011	“Water Demand Management”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Speaker	21 - 22 March 2011	“Training on Sustainable Management of the Environment - Meeting the Requirements through Water Quality Monitoring”, Environmental Management and Research Association of Malaysia (ENSEARCH), Kota Damansara.
Speaker	4 February 2011	“Fundamentals of Water Quality Parameters”, National Hydraulic Research Institute of Malaysia (NAHRIM), Seri Kembangan.
Speaker	16 December 2010	“Non-Point Source Pollution : Definition, Attributes and Contribution Towards Water Quality Degradation”, NPS Seminar, Hari Bertemu Pelanggan, Department of Environment (DOE) Malaysia, Putrajaya.
Forum Panel Member	8 December 2010	“Wastewater Forum – Water and Industrialized Building System Exhibition cum Forum” – Mechanical Engineering TD and Water Resources TD, Institution of Engineers Malaysia (IEM).
Forum Panel Member	5 December 2010	“Developing Cleaner and Economically Viable Technologies”, National Chemical Engineering Symposium (NACES) 2010, ENGINE Union, Universiti Teknologi MARA (UiTM), Shah Alam.
Speaker	29 – 30 November 2010	“Wastewater Treatment Workshop”, Intel Corporation Malaysia, Penang and Chemical Engineering Pilot Plant (CEPP), UTM.
Speaker	26 October 2010	“Non-Point Source Pollution Management Through Water Quality Modeling”, NPS Colloquium, Department of Environment (DOE) Malaysia, Putrajaya.

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MIEM (MY), MSEE (UK), MIWA (UK)

Session Chairman	29 September 2010	“Water Pollution – Revealing the Real Polluters”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Organizing Committee	22 May 2010	“12 th Annual IEM Water Resources Colloquium”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Speaker	1 March 2010	“Workshop on Transboundary Water Management Issues and Applications of River Water Quality Modeling in Integrated Catchment Management”, IWA Young Water Professionals Conference (IWA YWP 2010), Best Western Premier Seri Pacific Hotel, Kuala Lumpur.
Session Chairman	22 January 2010	"Water Resources and Water Related Disasters Under Climate Change - Prediction, Impact Assessment and Adaptation : The Japanese Experience", Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Speaker	26 November 2009	“Workshop on Sg. Melaka River Water Quality Model”, Department of Environment (DOE) Melaka, DOE state office, Melaka.
Speaker	23 – 24 November 2009	“River Water Quality Modeling Workshop”, Indah Water Konsortium Sdn. Bhd. (IWK), IWK Head-office, Pusat Bandar Damansara.
Lead Speaker	15 – 19 November 2009	“Bengkel Program Pemantauan Kualiti Air Sungai Malaysia 2009”, Alam Sekitar Malaysia (ASMA) and Department of Environment Malaysia (DOE), Everly Resort Hotel, Melaka.
Speaker	12 – 13 October 2009	“River Water Quality Modeling Workshop”, Envsolve Sdn. Bhd. held at Universiti Malaysia Sabah (UMS), Kota Kinabalu.
Speaker	14 August 2009	Talk on “Accounting for Effects of Non-Point Source Pollution in Water Quality Preservation”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Lead Speaker	11 – 13 August 2009	“Sg. Merbok Decision Support System (DSS) and Water Quality Modeling Workshop”, Environmental Institute of Malaysia (EiMAS), Universiti Kebangsaan Malaysia (UKM).
Speaker	1 July 2009	“Introduction to the Institute of Engineers Malaysia (IEM) for new batch of Chemical Engineering students, Faculty of Chemical Engineering (UiTM)”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Organizing Committee	23 May 2009	“11 th Annual IEM Water Resources Colloquium”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).

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Ph. D. (Env. Eng.), P. Eng. (Chemical), M. Sc. (Env. Eng.), B. Eng. (Chemical) (Hons.), CEnv (UK)
MIEM (MY), MSEE (UK), MIWA (UK)

Speaker	4 – 6 May 2009	“2 ½ Days Hands-On Workshop On : River Water Quality Modeling”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Session Chairman	24 April 2009	“Engineering as a Career”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM), program under Engineering Week 2009.
Speaker	22 December 2008	Talk on “Fundamentals of Surface Water Quality Parameters and Characterization”, Water Resources Technical Division, Institution of Engineers Malaysia (IEM).
Lead Speaker	17 – 20 November 2008	“Workshop on Monitoring of Water Quality for Malaysian Rivers for Department of Environment Malaysia”, Avillion Admiral Cove, Port Dickson, Negri Sembilan, Alam Sekitar Malaysia Sdn. Bhd.
Speaker	17 November 2008	Talk on “Application of Water Quality Modeling in Assessing Effluent Discharge from Food Industries - Training Programme on Wastewater Treatment for Food Industries in CLMV Countries”, Environmental Institute of Malaysia (EiMAS), Universiti Kebangsaan Malaysia (UKM).
Speaker	24 October 2008	Talk on “Environmental Monitoring and Compliance : Things the Industry need to know”, Chemical Engineering Technical Division, Institution of Engineers Malaysia (IEM).
Forum Panel Member	28 August 2008	Invited as Panel member for forum on “Green Energy for Future Earth” organized by the UiTM Engineering Student Union (Engine Union).
Speaker	25 August 2008	Half-Day Talk on the Applications of Water Quality Modeling at National Hydraulic Research Institute of Malaysia (NAHRIM).
Speaker	14 - 15 August 2008	Workshop and Competency Training on “Water Quality Parameters” for Executives of Alam Sekitar Malaysia Sdn. Bhd. (ASMA) at Concorde Hotel, Shah Alam, Selangor.
Speaker	29 – 30 May 2008	Talk and Training on the “Fundamentals of Water Quality Parameters” for Alam Sekitar Malaysia Sdn. Bhd. (ASMA) and its Malaysian Water Quality Monitoring network personnel at Teluk Rubiah Beach Resort, Lumut, Perak
Speaker / Moderator	March 2008	Advisory Panel and Moderator : “Brainstorming Session for Enhancement of Water Quality Monitoring Practices related to Malaysian Manual Water Quality Monitoring (MWQM) and Continuous Water Quality (CWQM) networks” for Alam Sekitar Malaysia Sdn. Bhd.
Webmaster	March 2008	Webmaster and designer ; Water Quality Research Group Blog (http://www.watermalaysia.blogspot.com) Webmaster and designer ; Zaki Zainudin’s Resource Portal

(<http://www.zakizainudin.blogspot.com>)

Speaker	February 2008	“QUAL2E/2K River Water Quality Modeling” Workshop organized by Malaysian Institute of Chemical Engineering and Bio-engineering Technology (MICET), Universiti Kuala Lumpur.
Forum Panel Member	February 2008	Appointed as Panel Member for “Role of Engineers in Environmental Preservation and Sustainability Forum”, organized by Faculty of Mechanical Engineering, UiTM, Shah Alam.
Speaker	February 2007	“Applications of QUAL2E/2K River Water Quality Modeling in Malaysia”, Program Pemantauan Kualiti Air Sungai dan Pulau-Pulau di Malaysia, Hotel Grand Continental, Kuala Terengganu.
Exhibitor	June 2007	ASMA Booth, Water Malaysia Exhibition at Kuala Lumpur City Centre (KLCC) Convention Centre.
Speaker	September 2006	“QUAL2E River Water Quality Modeling” Training for Department of Environment Malaysia (DOE), Putrajaya.
Secretariat	June 2006	Japanese Society for the Promotion and Science and Vice Chancellors’ Committee (JSPS-VCC) Seminar on “Advance Wastewater Treatment Technologies”, The Pulau Desaru Beach Resort, Johor Darul Takzim.
Speaker / Secretariat	June 2006	“River Water Quality Modeling” Workshop at the Business Advanced Technology Center (BATC), UTM City Campus, Kuala Lumpur.
Speaker	May 2006	“Water Quality Modeling” Workshop at Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia.
Webmaster	May 2006	Webmaster and designer ; Water Quality Research Group website (http://www.fkkksa.utm.my/water/) Webmaster and designer ; Malaysian Analytical Sciences Society (ANALIS) website (http://www.fkkksa.utm.my/analis/)

PUBLICATIONS

1. **Zaki Zainudin**, Wendell Koning, Michael Weyand, Peter Kelderman and Bob Crabtree. “Global Trends and Challenges in Water Science, Research and Management : Watershed and River Basin Management Specialist Group”, International Water Association, UK, ISBN : 9781780401065.
2. **Zaki Zainudin**, Maketab Mohamed and Tengku Fazli Tengku Yahya. Book : “River Water Quality Modeling : A Practical Approach”. International Islamic University Malaysia (IIUM Press), ISBN : 978-967-418-025-6.

3. **Zaki Zainudin**. "Water Quality Modeling to Assess the Impacts of Palm Oil Mill Effluent in Sg. Kalumpang. Book Chapter in: Current Research and Development in Biotechnology Engineering at IIUM : Volume 1", International Islamic University Malaysia (IIUM Press).
4. **Zaki Zainudin**, Norazah Abdul Rahman and Norizan Abdullah. "Speciation of fast and slow biochemical oxygen demand. Book Chapter in: Recent Advancements in Bioenvironmental Engineering", International Islamic University Malaysia (IIUM Press), ISBN 978-967-0225-85-2.
5. Mohd. Noor Salleh and **Zaki Zainudin**. "Potable Water Quality Characteristics", Institution of Engineers Malaysia (IEM), Feature Article, Jurutera Monthly Bulletin, ISSN 0126-9909, KPDN PP 1050/09/2009 (022612), November 2011.
6. **Zaki Zainudin**. "Visual Plumes Coastal Dispersion Modeling in South West Sabah". Journal of African Biotechnology.
7. Norizan Abdullah, **Zaki Zainudin**, Norazah Abdul Rahman and Nurul Fadillah Mazlan. "Speciation of Biochemical Oxygen Demand (BOD) from Surface Water and Wastewater". Journal of Applied Sciences, DOI 10.3923/jas.2011: 2460-2463, ISSN 1812-5654 (2011).
8. **Zaki Zainudin**. "Visual Plumes Coastal Dispersion Modeling in South West Sabah", Paper Proceedings, International Conference on Biotechnology Engineering (ICBioE) 2011, International Engineering Congress (IEC)", Faculty of Engineering, International Islamic University Malaysia (IIUM), Legend Hotel, Kuala Lumpur, 17 – 19 May 2011.
9. **Zaki Zainudin**. "The State of Our Rivers : Back to Basics", Environmental Management and Research Association of Malaysia (ENSEARCH) Bulletin", January – March 2011, Volume 1, Issue 1.
10. Zaini Ujang and **Zaki Zainudin**. "**Keynote Paper** : Water Sustainability : Between Water Quality and Water Quality Modeling", Institution of Engineers Malaysia (IEM), Proceedings, 12th Annual IEM Water Resources Colloquium, ISBN 978-983-40616-1-6, (2010).
11. Norizan Abdullah, Norazah Abdul Rahman and **Zaki Zainudin**. "Fast And Slow Carbonaceous BOD Speciation of Sewage Effluent", Institution of Engineers Malaysia (IEM), Proceedings, 12th Annual IEM Water Resources Colloquium, ISBN 978-983-40616-1-6, (2010).
12. **Zaki Zainudin**, Maketab Mohamed and Mohd. Roslim Ramli. "Effects of Induced Salinity on BOD₅ Reaction Kinetics of River Water Samples", Malaysian Journal of Analytical Sciences (MJAS), Vol 14, No. 1, ISSN 1394-2506 (2010).
13. **Zaki Zainudin**, Zulkifli Abdul Rashid and Jefri Jaapar. "Agricultural Non-Point Source Modeling in Sg. Bertam, Cameron Highlands using QUAL2E", Malaysian Journal of Analytical Sciences (MJAS), Vol 13, No. 2, ISSN 1394-2506 (2009).
14. **Zaki Zainudin**, Norazah Abd Rahman, Norizan Abdullah, Nurul Fadillah Mazlan. "Development of QUAL2K Water Quality Model For Sungai Tebrau". Journal of Applied Sciences, 10(21): 2748-2750, ISSN 1812-5654 (2010).
15. **Zaki Zainudin**. "Benchmarking River Water Quality in Malaysia", Institution of Engineers Malaysia (IEM), Feature Article, Jurutera Monthly Bulletin, ISSN 0126-9909, KPDN PP 1050/09/2009 (022612), February 2010.
16. Richard Herbert, Maeve Lohan, **Zaki Zainudin**. "The Water Quality of the Lupar and Ai River Systems (Sarawak, Malaysian Borneo) in Light of Increasing Anthropogenic Activity and Social

Implications”, Watershed and River Basin Management Specialist Group Newsletter, International Water Association, February 2010.

17. **Research Biography : Zaki Zainudin.** “Working to Heal the Planet: Cleaning up Malaysian Rivers”. Research News : Universiti Teknologi MARA (UiTM), website address : www.uitm.edu.my, November 2009.
18. **Zaki Zainudin**, “Memastikan Biodiversiti Ekologi Terjamin”. Utusan Malaysia, September 2009.
19. Norizan Abdullah, Norazah Abdul Rahman, **Zaki Zainudin** and Nurul Fadillah Mazlan. “Speciation of Biochemical Oxygen Demand (BOD) from Surface Water and Wastewater”. 23rd Symposium of Malaysian Chemical Engineers – In-conjunction with 3rd International Conference on Chemical and Bioprocess Engineering (SOMCHE-ICCBPE-2009), Universiti Malaysia Sabah (UMS), June 2009.
20. Abdul Rani A. Baginda and **Zaki Zainudin** (2009). “**Keynote Paper** : Moving Towards Integrated River Basin Management (IRBM) in Malaysia”, Institution of Engineers Malaysia (IEM), Proceedings, 11th Annual IEM Water Resources Colloquium, ISBN 978-967-5048-46-3.
21. **Zaki Zainudin** (2009). “Adventure in Similajau Sarawak”, Watershed and River Basin Management Specialist Group Newsletter, International Water Association, April 2009.
22. **Zaki Zainudin**, Nurul Fadillah Mazlan, Norizan Abdullah (2008). “Sewage Pollution Impact and Characterization in Sg. Langat River Basin through QUAL2E River Water Quality Modeling Temporal Data Review”, International Conference and Expo on Environmental Management and Technologies (ICEEMAT’08), Putra World Trade Center (PWTC), December 2008.
23. **Zaki Zainudin**, Nurul Fadillah Mazlan, Norizan Abdullah (2008). “Low Flow Integration Effects on Water Quality Modeling of Sg. Selangor River Basin with Emphasis on Sewage Pollution Sources”, International Conference and Expo on Environmental Management and Technologies (ICEEMAT’08), Putra World Trade Center (PWTC), December 2008.
24. Zulkifli Abdul Rashid, Azil Bahari Alias, Mohd. Jindra Aris, Mohanad El-Harbawi, Hazlina Husin, **Zaki Zainudin**, Mohd. Fadzil Adnan and Ayub Md. Som. “Evaluation of Water Quality Pollution for Proposing Future Clean-Up Strategies Implementation : A Case Study of Simin Catchment”, International Conference of Environment 2008 (ICENV 2008), Gurney Hotel, Penang, 15th – 17th December 2008.
25. **Zaki Zainudin.** “River Water Quality Modeling Applications in Malaysia”, International Water Association (IWA)”, Watershed and River Basin Management Specialist Group Newsletter, December 2008.
26. **Zaki Zainudin.** “The Many Intricacies of Biochemical Oxygen Demand (BOD)”, Institution of Engineers Malaysia (IEM), Feature Article, Jurutera Monthly Bulletin, ISSN 0126-9909, KPDN PP 1050/09/2008 (010721), November 2008.
27. **Zaki Zainudin**, Zulkifli Abdul Rashid, Jefri Jaapar. “Agricultural Non-Point Source Modeling in Sg. Bertam, Cameron Highlands using QUAL2E”, Universiti Malaysia Sabah (UMS), Simposium Kimia Analisis Malaysia (SKAM-21), November 2008.
28. **Zaki Zainudin**, Zulkifli Abdul Rashid, Jefri Jaapar. “Dispersion Water Impact Studies of South-Western Coastal Area of Sabah”, Universiti Malaysia Sabah (UMS), Simposium Kimia Analisis Malaysia (SKAM-21), November 2008.

29. Maketab Mohamed and **Zaki Zainudin**, "Impact Assessment of Leachate Discharge Towards Downstream Water Quality in Selected River Basins Through QUAL2E Modeling", Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia, November 2008.
30. Nurul Fadilah Mazlan, **Zaki Zainudin**, Maketab Mohamed. "Leachate Contamination and Assessment of Selected Rivers in Malaysia", Brownfield Asia 2008 : Third International Conference on Remediation and Management of Contaminated Land : Focus on Asia, Kuala Lumpur, October 2008.
31. **Zaki Zainudin** and Maketab Mohamed. "Impact Assessment of Leachate Discharge Towards Downstream Water Quality in Selected River Basins Through QUAL2E Modeling", 2nd Regional Environmental and Ecological Modeling (ECOMOD) conference, Gurney Hotel, Penang, August 2007.
32. Maketab Mohamed and **Zaki Zainudin**. "Industrial Effluent Load Characterization of Sungai Perembi Watershed", Simposium Kimia Analisis Malaysia (SKAM-19), Riviera Bay Resort, Melaka, July 2006.
33. **Zaki Zainudin** and Maketab Mohamed. "QUAL2E Training Module", Institut Teknologi Sepuluh Nopember (ITS), Surabaya, 2006.
34. **Zaki Zainudin**. "Industrial Effluent Load Characterization of Sungai Perembi Watershed", Masters Dissertation, UTM, 2005.

CERTIFICATES / COURSES ATTENDED / SEMINARS

1. VIP Guest, Asiawater 2012, Kuala Lumpur International Convention Centre, 27 – 29 March 2012.
2. Regional Conference, Sustainable Forestry Management Through Good Governance, 23 – 24 February 2012, Grand Dorsett, Subang, Transparency International Malaysia.
3. Research Methodology SLAB Course, Center for Professional Development (CPD), International Islamic University Malaysia (IIUM), 18 – 23 July 2011.
4. Outcome Based Education Workshop, Faculty of Engineering, International Islamic University Malaysia (IIUM), 25 May 2011.
5. Knowledge and Virtue Camp (KVC), International Islamic University Malaysia (IIUM), 11 May 2011.
6. Launch of Ensearch Website in Conjunction with EARTH DAY 2011 : Public Lecture on Bio-Technology and its application as the Science of the Future (Food Security/Pest Control/Reproduction/ Immortality), Prof Dr Norihan Mohd Salleh, Ketua Pengarah, Institut Agro Bioteknologi Malaysia, Universiti Putra Malaysia, 22nd April 2011.
7. eScience Workshop, Faculty of Chemical Engineering, Universiti Teknologi MARA (UiTM), 10th February 2010.
8. Safety and Health at Work, Institution of Engineers (IEM) Training Centre Sdn. Bhd., 16 - 17th March 2009.
9. Engineering Management Practice Course, Institution of Engineers Malaysia (IEM) Training Centre Sdn. Bhd., 27 – 28th November 2008.
10. Code of Ethics for Engineers Course, Institution of Engineers Malaysia (IEM) Training Centre Sdn. Bhd., 12 – 13th August 2008.

11. Outcome Based Education (OBE) Workshop, Equatorial Hotel, Kuala Lumpur, conducted by Universiti Teknologi Malaysia (UTM), October 2007.
12. Business Development Through Innovation course, Cititel Hotel, Midvalley 2006.
13. Faculty of Chemical and Natural Resources Engineering Dean's List 2002.
14. Professional Interview Seminar (Chemical & Petroleum Engineering), conducted by the Institution of Engineers Malaysia (IEM) 2001.
15. State Winners KEJARA (Keselamatan Jalanraya) 1997 and Runner's Up in Johor Choral Speaking Competition 1996.
16. Kuiz Sains Dan Matematik 1996 & 1997, Projek Dan Permainan Matematik 1997, Kuiz Sains Nasional Piala Perdana Menteri 1997, Inter-school Drama Competition.
17. Vice-President St. John's Ambulance, Secretary of Malay Language Society, School Editorial Board English Chairman, Sports House Secretary, KEJARA Club Committee Member.

ADDITIONAL SKILLS

Familiar with computer-aided engineering design tools such as AutoCAD, ChemCAD, DESIGN II For Windows, MATLAB, C++, etc. Fluent in PC troubleshooting, maintenance, repair and setup (hardware and software). Able to use Linux based software applications, such as OpenOffice, StarOffice, GNOME, KDE, Window Maker, Enlightenment, Xine, etc. Well versed with Windows based applications such as Microsoft Office, Microsoft Visual Studio (Visual Basic and Visual C++), Lotus, Norton Systemworks, etc.

REFEREES

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Prof. Dr. Maketab Mohamed
Director
Occupational Safety and Health Unit
Universiti Teknologi Malaysia
81310 Skudai
Johor Darul Takzim
Mobile No. 019-735 5000
Office No. : 07-5535417
E-mail : maketab@gmail.com</p> | <p>2. Dr. Abdul Rani Abdullah Baginda
Vice President
Progressive Impact Corporation (PIC)
19, Jalan Astaka U8/84, Bukit Jelutong
Business and Technology Centre, 40150
Shah Alam, Selangor, Malaysia.
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

CURRICULUM VITAE – POOH YIH FANG

Address : 47 Jalan Kumpang
Lorong 6
Kuching 93200
Sarawak

Telephone No. : (082)411039

Year of Birth : 1965

Nationality : Malaysian

Professional Expertise : Road Engineering
Traffic Engineering
Transportation Planning/Modelling

Academic Awards:

Master of Science in Civil Engineering (Transportation)
University of Nebraska - Lincoln, Nebraska, U.S.A. (1990).

Bachelor of Science in Civil Engineering (Superior Scholar)
University of Nebraska - Lincoln, Nebraska, U.S.A. (1987).

Professional Affiliations:

Member of Board of Engineers (BEM), Malaysia.
Engineer in Training (EIT), U.S.A.

PROFESSIONAL EXPERIENCE

January 1997 to Present
Parter, L & P Associates, Kuching, Sarawak, Malaysia

- **Road Traffic Impact Studies (EIS)**

These studies involve the examination of existing traffic and the projections of future traffic based on trip generation, distribution and assignment. Also responsible for the roadways' and intersections' capacity analyses and for the provisions of mitigation measures to improve the capacities and level-of-services of the roadways and intersections.

Kuching

- Proposed Bandar Samariang
- DBKU Matang Landfill Site
- Proposed Kasuma at Santubong Development
- Proposed Kuching Central Prison Project
- Second Kuching Bridge Project
- Proposed BDC-Matang Township
- Proposed Residential cum Commercial Development at Sama Jaya Selatan
- Proposed Sarmax Park
- Proposed Yen Yen Park (Phases 3A & 3B)
- Proposed Taman Sri Matang

Sibu

- Sibu Baru Twin Township
- Proposed Pulau Li Hua Development

Bintulu

- Bakun Resettlement Scheme
- Proposed Samarakan New Township/BPP ,Mill Access Road

Miri

- Eastwood Valley Township
- Proposed Residential estate with Golf Course at Taman Tunku
- Bandar Baru Permyjaya
- Proposed Desa Senadin

Kota Kinabalu

- Proposed Residential cum Commercial Development in Suang Parai

Sea/River Traffic Impact Studies (EIA)

The purpose of these studies is to examine the existing sea or riverine traffic patterns and to determine the potential impacts of the proposed developments on this traffic.

Kuching

- Sand Filling for Bandar Samariang
- Second Kuching Bridge Project

- **Sungai Miri Environmental Management Study, Miri.**

Responsible for the shipping/navigation study of the Sungai Miri Environmental Management Study in Miri. The main objective is to examine the existing patterns of shipping activities and riverine traffic upstream and downstream of Sungai Miri. Also responsible for the projection of future riverine traffic and safety aspect of shipping activities plying the river. A proper development plan to improve and regulate the navigation aspect of the river has also been recommended.

July 1992 to September 1996

Civil/Traffic Engineer, KTA (Sarawak) Sdn. Bhd., Kuching, Sarawak, Malaysia.

- **Improvement Works at Upland Gyrotory, Kuching. (RM 30 Mil.)**

Responsible for the design of T-junctions on approaching legs of roundabout, quantity take-offs, and traffic volume projections for pavement design.

- **Pineapple Plantation Transport Logistic Study, Kuala Igan.**

Carry out a logistics study to consider the proposed sites for a processing factory and determine the more advantageous locations. The study is based on financial considerations and its purpose is to assess the cost-effective plan of a number of different development options.

- **Miri/Bintulu Trunk Road, Sarawak. (RM 40 Mil.)**

Conduct and supervise a traffic survey to determine the traffic volumes and vehicle classifications. The main purpose is to design pavement thickness based on 10 year projected traffic volumes and total axle loadings.

- **Improvement Works at Jalan Pisang and Jalan Jambu, Kuching.**

Conduct and supervise peak hour traffic turning movement counts survey at intersection of Jalan Green/Jalan Pisang. This study is conducted to evaluate the existing intersection capacity and level-of-service and to propose alternatives and conceptual plans for immediate

improvements and long-term planning.

- **Traffic Study for Proposed Waterfront Mixed Development, Sibü.**

Carry out a traffic study to evaluate the impacts and site access needs of a proposed mixed development at Upper Lanang Road in Sibü. Also responsible for providing recommendations and a conceptual layout to mitigate the traffic problem.

- **Sungai Sarawak Regulation Scheme, Kuching.**

Responsible for the shipping/navigation study of the Sungai Sarawak Regulation Scheme. The main objective is to conduct and supervise the shipping traffic survey and to examine the existing patterns of shipping activities and traffic to the wharf facilities upstream of the proposed works and to assess the implications of the scheme on future navigation in the river. The throughput capacity of the proposed lock system has also been investigated for various shipping traffic scenarios.

- **Urban Sub-Arterial Roads, Bintulu. (RM 7 Mil.)**

Responsible for the geometric design (using MOSS programme) of a dual carriageway including the design of two roundabouts, bituminous surfacing, drainage and related works around Dewan Suarah Bintulu. Also responsible for quantity take-offs and cost estimates, preparing a contract document and attending site meeting.

- **Batang Rajang Bridge Feasibility Study, Sibü.**

Conduct a survey for traffic counts and classifications, questionnaires on trip origins and destinations, and records on traffic and ferry arrival and departure times at four ferry points in Sibü. Also responsible for the analysis of the survey data to determine the hourly and daily traffic volumes, traffic delay and waiting time, trip origins and destinations and purpose. The main objective is to project future traffic volumes crossing the proposed Batang Rajang Bridge based on existing traffic conditions and future developments.

- **Bakun Access Road - Belaga to Tubau, Bintulu. (RM 200 Mil.)**

Responsible for the road geometric design (using MOSS Programme) and drainage design of a section of the Bakun Access Road from Belaga to Tubau. Also responsible for assessing the future traffic volumes which include construction vehicles and logging trucks for pavement design purposes.

- **Upgrading and Sealing of Betong-Kayu Malam Road from Betong Junction to Spaoh Junction, Sri Aman Division, Sarawak. (Package A) (RM 40 Mil.)**

Responsible for the road geometric design (using MOSS Programme), drainage design, junction design, and pavement thickness design of the upgrading and sealing of the First Trunk Road from Betong Junction to Spaoh Junction.

- **Proposed Road Linking State Stadium to Jalan Santubong, Petra Jaya, Kuching.**

Responsible for the road geometric design of the proposed road linking State Stadium to Jalan Santuong using MOSS program.

May 1990 to May 1992

Traffic Designer, G.C. Wallace Inc., Engineering/Architecture, Las Vegas, Nevada, U.S.A.

- **Traffic Impact Studies**

The Major Studies conducted are as follows:

- Summerlin Villages 1, 2, 3 and 7

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- South Shores Commercial Centre
- Sands Hotel/Casino and Convention Centre
- Belz Enterprises Factory Outlet Centre
- North Las Vegas 7500 Acres

These studies involves the projections of future traffic based on trip generation, distribution and assignment using computer modelling. Also responsible for intersection capacity analyses and provisions of mitigation measures to improve intersection level-of-service.

- **Interchange Improvements**

Analyses of freeway weaving sections and ramp merging/diverging junctions, and evaluations of different alternatives to alleviate traffic weaving problems at Spaghetti Bowl Interchange. Also responsible for the design of directional and guide signs.

- **Basic Infrastructure Study**

Development of cost estimates and allocations for the 7500-acre infrastructure site in North Las Vegas based on per acre and per benefit basis for each developer.

- **Roadway Constructions/Improvements**

Including the preparation of traffic control signing and pavement striping plans of new roadways, and evaluation of vertical profile of new alignments. Also responsible for quantity take-offs and cost estimates of roadway constructions and improvements.

June 1988 to May 1990

Graduate Research Assistant, Civil Engineering Department, University of Nebraska - Lincoln, Nebraska, U.S.A.

- **Research Projects**

Analysis and identification of the general problems faced by elderly drivers by accident study.

Evaluation of the effectiveness of posting lower speed limits in Nebraska.

Evaluation of the effectiveness of overhead school speed limit flashers in Lincoln.



1. **Family name:** Liew
2. **Given names:** Chaang Yen @ Tommy
3. **Date of birth:** 1 March 1987
4. **Passport holder:** Malaysian
5. **Education:**

Institution	Degree(s) or Diploma(s) obtained:
University of Nottingham Malaysia Campus 2009	Master of Engineering (Hons) Chemical Engineering with Environmental Engineering

Other Training	
Year	Subject and place
2011	Environmental Management Course 2011 by Institute of Quarrying Malaysia Sdn Bhd
2010	NIOSH Oil & Gas safety Passport Programme

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	2	2	2
Malay	2	2	2
Chinese	2	2	2

7. **Present position:** Environment Engineer, Chemsain Konsultant Sdn Bhd:

8. **Years within the firm:** 1

9. **Professional experience**

Period	Employer	Position and Main Activities
October 2010 – Present	Chemsain Konsultant Sdn Bhd, Kota Kinabalu Sabah	Environmental Engineer Conduct and prepare EIA, EMP and PAT reports.
July 2009 – September 2009	Precision Control Sdn Bhd	Trainee Trained in engineering simulation programme
June 2007 – August 2007	Chemsain Konsultant Sdn. Bhd, Kota Kinabalu Sabah	Trainee Expose to the preparation worksof EIA report

Environmental Impact Assessment (EIA) Undertaken:

No	Project Title and Location	Client	Task	Year
1.	EIA for Proposed Quarry Activities for Jesselton Hills Development at Menggatal, Kota Kinabalu, Sabah.	Hap Seng Building Materials Sdn Bhd	Project Coordinator	Ongoing
2.	SEIA for Proposed Dam Upstream of Cinta Mata Treatment Plant, Tawau, Sabah	JP Campo Sdn Bhd	Assistant Project Coordinator	Ongoing
3.	EIA for Proposed Quarry Activities for Quarry Operation, Mile 16, Sandakan	Chin Yun Quarry Sdn Bhd	Project Coordinator	Ongoing



No	Project Title and Location	Client	Task	Year
4.	EIA & Hydraulic Assessment for the Proposed Approach Channel at Kimanis, Papar District, Sabah	Lintasan Ehsan Sdn Bhd	Project Coordinator	Ongoing
5.	EIA for "Projek Loji Air Nabawan, Sabah (Reka & Bina)"	Tenaga Mentari Sdn Bhd	Project Coordinator	Ongoing
6.	EIA for Proposed Sand Extraction on PT. 2006020566 at Sg Kimanis, Papar, Sabah	Papar Maju Sdn Bhd	Project Coordinator	
7.	EIA for Proposed Commercial Development on G.N. 247/16 at Jalan Sharif Osman, Kota Kinabalu, Sabah.	Dual Quest Sdn Bhd	Project Coordinator	Ongoing
8.	EIA for the Proposed River Sand Dredging on PT.20-06040448 at Kg. Kosusu/Kionsom, Topokon, Tuaran, Sabah	Dynamic Visa Sdn Bhd	Project Coordinator	November 2011
9.	EIA for Proposed River Sand Dredging on PT.20-10080872 at Sg. Klagan, Beluran, Sabah	Hidayah Mewah Sdn Bhd	Project Coordinator	December 2011
10.	EIA for the Proposed Quarry Operation on CL 085311146 at Ulu Sapa Paya, Sandakan	Perfect Oil Resources (Sabah) Sdn Bhd	Project Coordinator	June 2011

Environmental Impact Statement (EIS) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	Preliminary Site Assessment / Penilaian Awal Tapak (PAT) for the Development of Geothermal Power Plan under Small Renewable Energy Programme (SREP) in Tawau, Sabah.	Tawau Green Energy	Project Coordinator	Ongoing
2.	Preliminary Site Assessment (PSA) for the Proposed Palm Oil Mill on CL.085331022 at Paitan, Pitas District, Sabah	Prolific Yield Sdn Bhd	Project Coordinator	June 2011

Environmental Management Plan (EMP) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	EMP for "Cadangan Pembinaan Kolej Komuniti Beaufort, Sabah (Secara Design & Build)"	B.H.O Sdn Bhd	Project Coordinator	July 2011
2.	EMP for the the Proposed Construction of Permanent Reinforced Concrete Bridge across Sg. Sitompok at Kuala Penyu, Sabah	Zhong Tie Jian Second Branch Sdn Bhd	Project Coordinator	December 2010

Special Study (SS) Projects Undertaken:

No	Project Title and Location	Client	Task	Year
1.	Air and Noise Emission Study for the Gas Turbines Relocation from Teluk Ewa, Pulau Langkawai to Tawau Main Intake, Sabah.	TNB Research Sdn Bhd	Project Coordinator	Ongoing



No	Project Title and Location	Client	Task	Year
2.	Revision and Preparation of Environmental Guideline for Preparation of Environmental Report	Environment Protection Department	Team Member	Ongoing
3.	Assessment of another Excess Earth Material Dump Site at Inanam Laut for the KK Waterfront Development	Sunsea Enterprise Sdn Bhd	Project Coordinator	May 2011
4.	Assessment of Another Excess Earth Material Disposal Site on NT 043216646 at Karambunai Baru Telipok, District of Tuaran for the KK Waterfront Development	Sunsea Enterprise Sdn Bhd	Project Coordinator	March 2011