

LIST OF ABBREVIATIONS

EIA	:	Environmental Impact Assessment
NUF	:	Neutralisation Underflow
LAMP	:	Lynas Advance Material Plant
GIE	:	Gebeng Industrial Estate
DSF	:	Dry Storage Facility
WLP	:	Water Leach Purification
ISO	:	International Organization for Standardization
OHSAS	:	Occupational Health & Safety Assessment Series
SW	:	Scheduled Waste
PEIA	:	Preliminary Environmental Impact Assessment
DOE	:	Department of Environment
AELB	:	Atomic Energy Licensing Board
TOL	:	Temporary Operating License
FOSL	:	Full Operating Stage License
TOR	:	Terms of Reference
EESIM	:	Environmental Essentials for Siting of Industries in Malaysia
CLD	:	Central Lanthanide Deposit
REO	:	Rare Earth Oxide
R&D	:	Research & Development
MIDA	:	Malaysia Industrial Development Authority
EMP	:	Environmental Management Plan
RSF	:	Residue Storage Facility
ANCOLD	:	Australian National Committee on Large Dams
HDPE	:	High Density Polyethylene
ULLDS	:	Underlined Leak detection System
IETS	:	Industrial Effluent Treatment System
EQA	:	Environmental Quality Act
PDF	:	Permanent Disposal Facility
ETP	:	Economic Transformation Programme
SX	:	Solvent Extraction
PF	:	Product Finishing
SL	:	Shrinkage Limit
PL	:	Plastic Limit
LL	:	Liquid Limit
SIRIM	:	Standard and Industrial Research Institute of Malaysia
TCLP	:	Toxicity Characteristic Leaching Procedure
TTLC	:	Total Threshold Limits Concentration
UV	:	Ultraviolet
GT	:	Geotube
FoS	:	Factor of Safety
GCL	:	Geosynthetic Clay Liner
HDS	:	High Density Sludge
FDP	:	Final Discharge Point
BFD	:	Block Flow Diagram

MARDI	:	Malaysian Agricultural Research and Development Institute
UKM	:	Universiti Kebangsaan Malaysia
UPM	:	Universiti Pertanian Malaysia
LKTN	:	Lembaga Kenaf & Tembakau Negara
UMP	:	Universiti Malaysia Pahang
FR	:	Federal Road
ZOI	:	Zone of Impact
SAMM	:	Skim Akreditasi Makmal Malaysia
PBPT	:	Pihak Berkuasa Perancang Tempatan
IAEA	:	International Atomic Energy Agency
ECEC	:	Effective Cation Exchange Capacity
SI	:	Soil Investigation
SMR	:	Steam Methane Reformer
ESA	:	Environmentally Sensitive Area
NPP	:	National Physical Plan
CFS	:	Central Forest Spine
COA	:	Certificate of Analysis
MAAQS	:	Malaysian Ambient Air Quality Standards
PM	:	Particulate Matter
TSP	:	Total Suspended Particulate
MAAQG	:	Malaysian Ambient Air Quality Guidelines
USEPA	:	United States Environmental Protection Agency
CEMS	:	Continuous Emission Monitoring System
DO	:	Dissolved Oxygen
BOD	:	Biochemical Oxygen Demand
COD	:	Chemical Oxygen Demand
TSS	:	Total Suspended Solid
NWQS	:	National Water Quality Standards
DIV	:	Dutch Intervention Value
UTM	:	Universal Transverse Mercator
NFB	:	No-flow Boundary
CHB	:	Constant Head Boundary
GHB	:	General Head Boundary
RCH	:	Recharge Boundary
VH	:	Variable Head
Kzz	:	Vertical Hydraulic Conductivity
Kxx	:	Horizontal Hydraulic Conductivity
EF	:	Emission Factor
ASR	:	Air Sensitive Receptors
SRTM	:	Shuttle Radar Topography Mission
NASA	:	National Aeronautics and Space Administration
MAIC	:	Maximum Incremental Average Concentration
FGD	:	Focus Group Discussion
NGO	:	Non-Governmental Organisation
HQ	:	Hazard Quotient
EC	:	Exposure Concentration

RFC	:	Reference Concentration
LCR	:	Lifetime Cancer risk
ADD	:	Average Daily Intake
SL	:	Slope Factor
ERP	:	Emergency Response Plan
CAR	:	Clean Air Regulation
JKKK	:	Jawatankuasa Kemajuan dan Keselamatan Kampung
HIA	:	Health Impact Assessment
CSR	:	Corporate Social Responsibility
LD-P2M2	:	Land Disturbing-Pollution Prevention and Mitigating Measures
ESCP	:	Erosion and Sediment Control Plan
EO	:	Environmental Officer
CESSWI	:	Certified Erosion, Sediment & Storm Water Inspector
DSM	:	Department of Standards Malaysia
JSM	:	Jabatan Standard Malaysia
EMTGSR	:	Environmental Mainstreaming Tools and Guided Self-Regulation
BMP	:	Best Management Practice
ERT	:	Emergency Response Team
DOSH	:	Department of Occupational Safety & Health
EC	:	Emergency Controller
OSC	:	On-Scene Commander
ERTL	:	Emergency Response Team Leader
EMT	:	Emergency Management Team
HSE	:	Health, Safety & Environment