

**TRANSPORT APPROVAL FOR
TRANSPORTATION OF TOXIC INDUSTRIAL WASTE**
The Environmental Public Health (Toxic Industrial Waste) Regulations 1988

Transport Approval No.	TW/TA-0585
Date of Expiry	28 Feb 2023
Permitted Transportation Hours	0700-1900 hours within Jurong Industrial Estate, Tuas Industrial Estate & Jurong Island (Monday – Saturday)
	0900-1700 hours for other areas (Monday – Saturday)
Transportation of TIW is not allowed on Sundays and Public Holidays	

APPROVED HOLDER

Name of Company	Environmental Solutions (Asia) Pte Ltd
TIW Collector's Licence No.	T20050007L
Registered Address	101 Tuas South Avenue 2 Singapore 637226
Site Address	101 Tuas South Avenue 2 Singapore 637226
	62 Tuas South Street 5 Singapore 637802

TYPE OF TOXIC INDUSTRIAL WASTE AND PERMITTED TO TRANSPORT

Types of Waste	Physical State	Means of Packing/ Tank Serial No.	Capacity (litre)	Tank Expiry Date
1. <u>Spent Acid</u> Hydrochloric acid, Hydrofluoric acid, Nitric acid, Sulphuric acid, Chromic Acid, Pickling acid, Gold Stripping Solution (Acid)	Liquid/ Solid	1. Carboy	1. 25	1. NA
		2. Drum	2. 200	2. NA
2. <u>Spent Alkali</u> Spent Calcium Hydroxide, Spent potassium hydroxide (KOH), Spent sodium hydroxide (NaOH)		3. Polypropylene jumbo bag	3. 1000	3. NA
3. Cupric chloride (Spent etching solutions containing copper)		4. Metal catalyst bin (CHEP)	4. 2800	4. NA
4. Plating effluents and residues containing copper, Plating effluents and residues containing nickel		5. Open top steel bin	5. 19000	5. NA
5. <u>Spent Metal Catalyst</u> Titanium, vanadium, chrome, manganese, iron, cobalt, nickel, copper, zirconium, zinc, niobium, molybdenum, ruthenium, rhodium, palladium, platinum, silver, tantalum, tungsten, gold, rhenium, iridium, copper/chrome/barium, nickel/molybdenum, cobalt/molybdenum, molybdenum/bismuth, copper/zinc, palladium/platinum, platinum/rhodium, palladium/rhodium, iron/chrome, platinum/rhenium		6. <u>IBC</u> ESA21-1001 to ESA21-1012 <u>ISO Tank</u>	6. 1249	6. 07/2022
		7. NTTU 185013-2	7. 19200	7. 10/2023

Types of Waste	Physical State	Means of Packing/ Tank Serial No.	Capacity (litre)	Tank Expiry Date
6. Metal hydroxide sludge containing nickel, vanadium, copper, zinc, cobalt, molybdenum				
7. Carbide sludge				
8. Spent catalyst powder				
9. Spent sulphuric acid (20% - 80% concentration)				
10. Spent hydrochloric acid (20% - 80% concentration)				
11. Spent hydrofluoric acid (20% - 80% concentration)				
12. Spent nitric acid (20% - 80% concentration)				
13. Spent phosphoric acid (20% - 80% concentration)				
14. Spent potassium hydroxide (30% - 90% concentration)				
15. Spent sodium hydroxide (30% - 90% concentration)				
16. Spent calcium hydroxide (30% - 90% concentration)				

Note:

- a) This Transport Approval takes effect from **01 Mar 2022**.
- b) This Transport Approval will not cover those tanks once the expiry date has lapsed.
- c) All tanks / containers shall only be used for wastes that are specified in the inspection certificate issued by your 3rd party inspection body, and the submitted document containing details of TIWs and its respective means of packaging.
- d) The Underground CTE, Fort Canning, KPE Tunnels, Benjamin Sheares Bridge, SLE, BKE, Bartley-Tampines Viaduct, West Coast Highway Viaduct and Marina Coastal Expressway (MCE) are not allowed for transportation of toxic industrial waste.

17 Jan 2022
Date



Lim Jia Fang
Name of Authorised Officer