

No.

ILA Benchmarking Form Used Lead Acid Battery Recovery and Recycling

1.0 General Information

Company Name	
Location	
Business	
Date	
Company Address	
Company Representative	
Job Title	
Phone number	
E-mail address	
Internet – Company Web Site Address	
Operational area (Hectares) (approximately)	
Benchmarking Assessor	
Phone number	
E-mail address	
Number of employees	
Age and service profiles	

2. ULAB Collection and Supply Points – Retailers, Garages, Repair Shops, Scrap Dealers, Battery Service and Collection Centres

No.		A	B	C	D
1	What Used Lead Acid Batteries (ULAB) are being collected?	Car	Motorcycle	UPS/Security	Industrial
2	How are ULAB collected?	Citizens	Retailers	Garages	Scrap Dealer
3	How are the ULAB delivered? Drained of Acid or complete with Acid?	Drained	Most drained	A few drained	Complete
4	How are the ULAB sorted?	Size	Plastic case	Automotive	Industrial
5	Are ULAB that leak separated and packed in plastic containers?	No	Sometimes	Drained first	Always
6	What happens to the ULAB collected?	Reconditioned	Sold	Tested and recharged	Packaged & shipped
7	How are ULAB stored while waiting for dispatch to the recycler?	In the open	Packaged in the open	Under cover	Packaged & under cover
8	How are ULAB collected transported to the recycling plant?	Bicycle/cart	Open truck	Closed truck/van	Licensed truck/van
9	How are the ULAB packed onto or into the vehicle for transport to the recycling plant?	Loose	Loose and upright	Palletized & wrapped	As C with any leaking ULAB in a leak proof container.

3. Environmental Status

No.		A	B	C	D
1	What agencies issue your environmental and operating licenses?	Health	Environment	Business	Other
2	How close is the general population to the Recycling Plant?	Next to the Plant	1 kilometre	5 Kilometres	Industrial Zone
3	Is process effluent discharged from the site?	Always and untreated	Sometimes untreated	After treatment	Never
4	What happens to the battery acid drained from the ULAB?	Discharged	Treated and discharged	Collected, treated and used in the process	Collected to produce Gypsum
5	How are furnace emissions from the plant controlled?	No control	Furnace is ventilated to a baghouse	All processes are ventilated to a Baghouse	As C with all fume recycled
6	What type of furnace is in operation? – Is there a Scrubber Unit?	Furnace 1:	Furnace 2:	No	Yes
7	If the plant is using a Rotary Furnace – Is iron added to the charge Material? Is the paste desulfurized? Is there a Scrubber in operation?	No	Yes Iron is added	Yes the paste is desulfurized	Yes a Scrubber Unit is installed
8	What do you do with your furnace residues?	Dispose of in a local tip	Treat and dispose of in a local tip	Treated and sold for hard core	Treated and used to make bricks/tiles
9	Is the site clean, tidy and free of dust, slag and acid residues?	No	Dust and Slag only	Acid residues only	Yes

4. Occupational Lead Exposure

No.		A	B	C	D
1	Is there a hygiene and respirator policy?	No	Respirator only	Hygiene only	Yes
2	Are respirators worn by all personnel in the operating areas	No	Some do	Only operating personnel	All personnel
3	Is there a Medical Officer and/or Occupational Nurse appointed to check the health of the workers?	No	On request	Nurse only	Yes
4	Are the occupational Lead in Blood levels checked?	Never	Annually	Twice annually	Every quarter
5	Do you communicate health risks to employees?	Never	If asked	Induction	Regularly
6	Are operating personnel issued with works clothing?	No	Overalls	Overalls, hat	Overalls, hat, boots & gloves
7	If so, how often are the clothes washed and changed?	Never	Every month	Every week	Every shift
8	Are eating and process areas segregated?	No	Eating on site is not permitted	Yes, but not ventilated	Yes with HEPA Air conditioning
9	Are there showers on site for use by the operators?	No, but there is a washroom	Yes, one shower	Yes, but it is not compulsory	Yes and it is compulsory

5. Safety

No.		A	B	C	D
1	Is there a Safety Policy published and available for inspection?	No	In a safety folder	On display on site	On display and on the web site
2	Are there regular Safety Inspections and Audits?	No	Sometimes after an accident	Inspections but no audits	annually
3	Does every employee & contractor undergo a Safety Induction?	No	Employees only	Contractors only	Everybody
4	Have risk assessments been carried out for each operation?	No	Only for the EIA	Only for ISO 9001	Yes
5	Is there a record of every accident on site?	No	There is an accident book	Some accidents are recorded	Yes in the accident book
6	Is every accident investigated?	No	Yes, by the plant manager	Yes, by the insurance company	Yes, by a joint management and worker team
7	Is there a Permit to Work and Lock-Off system for maintenance?	No	Permit to work only	Lock-off only	Yes and with keys and locks
9	What Fire Precautions and Procedures are in place?	None	There are fire extinguishers	There are sand buckets	There are extinguishers and sand buckets