CURRENT STATUS OF MERCURY IN PAKISTAN

BY

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Objectives of the mercury inventory project

- To develop the basic data about the inventory of mercury and mercury products in Pakistan.
- To identify the mercury exposure resources in the country.
- To identify the groups of people at more risk.
- To create the awareness in the general public regarding the toxicity of mercury.
- To attempt the replacement of mercury containing commodities.
- To develop strategies to reduce the risk of mercury exposure.

Methodology of the Project

- Creation of Stakeholders Team.
- Identification of mercury and mercury products uses and releases by federal/provincial EPA's.
- The selection of areas susceptible/effected for mercury contamination in the country.
- Collection of samples of water, air and soil from the country with the help of federal/provincial EPA's.
- Analysis of the samples in the laboratories of Institute of the chemistry, University of the Punjab, Lahore.
- Data collection of mercury and mercury products from mercury usage markets/industries in the country.
- Technical working group and consultation meetings of all stakeholders.
- Training of Stakeholders Team by UNEP expert.
- Preparation of baseline data/inventory of mercury and mercury products about the current situation in the country.

Results of Samples from Punjab (Lahore, Sheikhupura, Faisalabad etc)

S/No.	Sampling Point	Concentration of Mercury in ppb or ug/kg
1	Near taj company ravi road	1.26
2	Shahdra village bridge ravi raod	0
3	Azadi chowk ravi road	0
4	Kotlakhpat industrial waste	0
5	Main ferozpur road hudarian drain	0
6	ARC sock near Kahna hudarian drain	0
7	Badian road hudarian drain	1.59
8	Town ship waste drain	0.59
9	Dharam pura canal	0
10	Near shafi reso chem hudarian drain	0

Cont'

Results of Samples from Punjab (Lahore, Sheikhupura, Faisalabad etc)

S/No.	Sampling Point	Concentration of Mercury in ppb or ug/kg
11	Residual Waste of Incinerated children Hospital Waste	1.52
12	Shikhupura Municipal Drain	2.1
13	Sitara chemicals 1	1.1
14	Sitara chemicals 2	1.3
15	Sitara chemicals 3	0.89
16	Sitara chemicals 4	1.34
17	Sitara chemicals 5	2.7
18	Drain Near Sitara chemicals	2.4
19	Sitara chemicals Solid Waste 1	0.4
20	Sitara chemicals Solid Waste 2	0.5

Cont'

Results of Samples from Punjab (Lahore, Sheikhupura, Faisalabad etc)

S/No.	Sampling Point	Concentration of Mercury in ppb or ug/kg
21	Sitara chemicals Solid Waste 3	1.2
22	Ittehad chemicals Outlet 1	2.3
23	Ittehad chemicals Outlet 2	0.4
24	Ittehad chemicals Outlet 3	3.1
25	Ittehad chemicals Outlet 4	2.7
26	Ittehad chemicals Solid Waste 1	0.77
27	Ittehad chemicals Solid Waste 2	0.4
28	Ittehad chemicals Solid Waste 3	0
29	Nimir chemicals 1	0
30	Nimir chemicals 2	0
31	Nimir chemicals 3	0

Cont'

Results of Samples from Punjab (Lahore, Sheikhupura, Faisalabad etc)

S/No.	Sampling Point	Concentration of Mercury in ppb or ug/kg
32	Municipal Sewrage Okara	0
33	Yusaf Sugar mill Shahpur	0
34	Supra Tannery	0
35	Mehmood Booti Drain	3.9
36	Leachate Mehmood Booti Dumping Site Bund Road 1	4.1
37	Leachate Mehmood Booti Dumping Site Bund Road 2	3.7
38	Leachate Mehmood Booti Dumping Site Bund Road 3	2.8
39	Mehmood Booti Dumping Site 1	1.2
40	Mehmood Booti Dumping Site 2	0.6

Samples from Sindh (Karachi etc)

ing Point	Concentration of Mercury in ppb or ug/kg
lge	0.85
l sludge	0.0
l effluent	0.0
ae	2.73
	2.41
fzal Tannery	9.26
Tannery	0.0
gar Mill (Tando nad Khan)	0
luhammad Khan Sugar do Mohammad Khan)	0
gar Mill (Digri)	0
Sugar Mill (Talhar)	0

Cont'