

Minamata Convention: Initial Assessment of Turkey

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in the environment



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Lecture 10

Identification of potential hot-spots

Identification of potential hot-spots

This main category has some overlap with some of the waste deposition sub-categories, but focuses on previously deposited mercury that still has a potential for significant releases and risks to humans and the environment.

Hot-spots exist as the direct result of disposal practices as described in sections 5.9.3 and 5.9.4 or of inadequate disposal of contaminated materials.

Release from these sites may already be ongoing or can be expected to begin if no remedial action is taken.

Identification of potential hot-spots

Hot-spots may be linked to an existing production process, and releases may be ongoing from processes on-site or from historical activities.

Other potential hot-spots are reservoirs where mercury containing materials have been stored, dumped or accumulated over many years.

In these cases the release may be ongoing, imminent or only potentially threatening in the future. Identification of such sites can in some case be difficult.

Site-specific evaluation of each hot-spot should determine its current status: immediate threat or potential for releases in the future. In either case the site should be registered.

The main pathways of releases of mercury and the recommended inventory approach for each of these potential hot-spots

Main category - Potential hot-spots							
Chapter	Sub-category	Air	Water	Land	Product	Waste/ residue	Main inventory approach
	Closed/abandoned chlor-alkali production sites	x	X	X		X	PS
	Other sites of former chemical production where mercury compounds are/were produced (pesticides, biocides, pigments etc.), or mercury or compounds were used as catalysts (VCM/PVC etc.)	x	X	X	x	X	PS
	Closed production sites for manufacturing of thermometers, switches, batteries and other products	x	X	X	X	x	PS

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Main category - Potential hot-spots							
Chapter	Sub-category	Air	Water	Land	Product	Waste/ residue	Main inventory approach
	Closed pulp and paper manufacturing sites (with internal chlor-alkali production or former use of mercury-based slimicides)	x	X	X		X	PS
	Tailings/residue deposits from mercury mining	x	X	X	X	X	PS
	Tailings/residue deposits from artisanal and large scale gold mining	x	X	X		X	PS
	Tailings/residue deposits from other non-ferrous metal extraction	x	X	X	X	X	PS

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Main category - Potential hot-spots							
Chapter	Sub-category	Air	Water	Land	Product	Waste/ residue	Main inventory approach
	Sites of relevant accidents	x	X	X		X	PS
	Dredging of sediments	x	X	X		X	PS
	Sites of discharged district heating controls (and other fluid controls) using mercury pressure valves		X	X			PS
	Sites of previous recycling of mercury (secondary mercury production)	x	X	X	X	X	PS

Identification of potential hot-spots



Teşekkür Ederim

