

Comprehensive environmentally sound management of waste containing polychlorinated biphenyls (PCBs) in Montenegro



Montenegro
Ministry of Ecology, Spatial Planning and Urbanism



*Empowered lives.
Resilient nations.*

The goal of the project

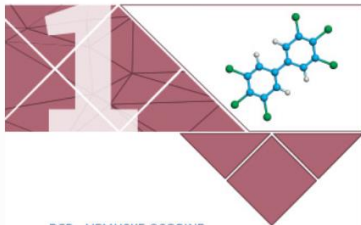
The goal of the project was to support the country in the form of the necessary technical and financial assistance to identify and remove all remaining polychlorinated biphenyls (PCBs) in the country (estimated at least 700t of equipment and waste containing PCBs, as well as 200t of contaminated soil).

In parallel, build enough capacity to manage the PCB, which will enable the management of similar hazardous waste in case its existence is established after the closure of the project

Components

- Strengthening the capacity to manage waste containing PCBs
- Inventory of waste containing PCBs, planning and establishment of public-private partnerships
- Environmentally sound management (ESM) of waste containing PCBs





PCB - HEMIJSKE OSOBINE,
PRIMJENA I UTICAJ NA ZDRAVLJE
LJUDI I ŽIVOTNU SREDINU

EKOLOŠKI PRIHVATLJIVO UPRAVLJANJE
POLIHLOOROVANIM BIFENILMA (PCB)

UNDP 2018.



IDENTIFIKACIJA
POLIHLOOROVANIH BIFENILA

EKOLOŠKI PRIHVATLJIVO UPRAVLJANJE
POLIHLOOROVANIM BIFENILMA (PCB)

UNDP 2018.



KORIŠĆENJE I ODRŽAVANJE
OPREME KOJA SADRŽI PCB
POSTEPENO ISKLJUČIVANJE,
STAVLJANJE VAN FUNKCIJE
I ZAMJENA OPREME

EKOLOŠKI PRIHVATLJIVO UPRAVLJANJE
POLIHLOOROVANIM BIFENILMA (PCB)

UNDP 2018.



PAKOVANJE I SKLADIŠTENJE
OTPADA KOJI SADRŽI PCB

EKOLOŠKI PRIHVATLJIVO UPRAVLJANJE
POLIHLOOROVANIM BIFENILMA (PCB)

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TRANSPORT PCB OTPADA

EKOLOŠKI PRIHVATLJIVO UPRAVLJANJE
POLIHLOOROVANIM BIFENILMA (PCB)

UNDP 2018.



PROCEDURE U
HITNIM SLUČAJEVIMA I
BEZBJEDNOSNE PROCEDURE

EKOLOŠKI PRIHVATLJIVO UPRAVLJANJE
POLIHLOOROVANIM BIFENILMA (PCB)

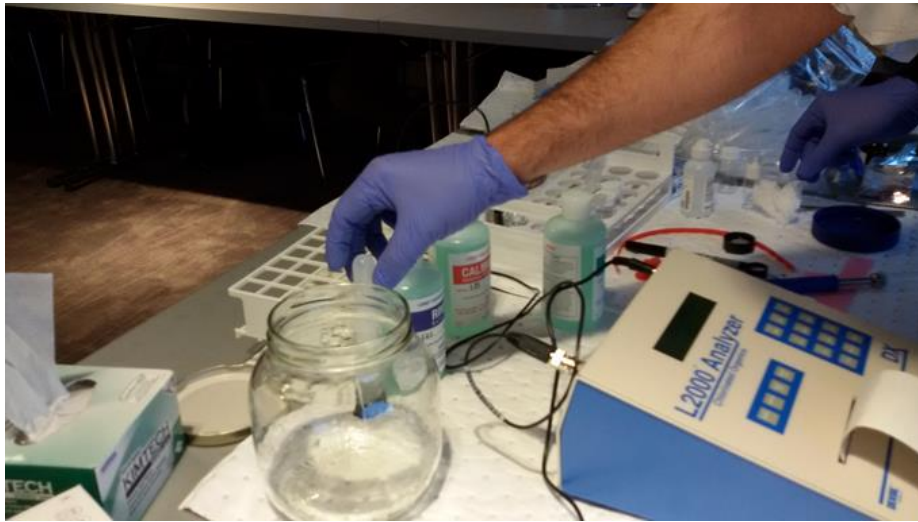
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ODLAGANJE I DEKONTAMINACIJA
PCB OPREME I OTPADA

EKOLOŠKI PRIHVATLJIVO UPRAVLJANJE
POLIHLOOROVANIM BIFENILMA (PCB)

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Results

- About 650 tons of PCB waste and equipment identified
- 475 tons of PCB waste and equipment removed and permanently disposed of
- 80 tons of PCB transformer decontaminated and returned to use
- 1,050 tons of PCB contaminated soil removed
- One warehouse reconstructed to meet the requirements for the storage of hazardous chemicals
- More than 70 people have received training related to PCB management

Recommendations

- When planning the project/activity, include relevant partners and interested parties, in this case competent institutions and equipment/waste owners, and it is very important that they be part of all activities
- Provide data on the quantities of chemicals
- It took us an average of 4 months to plan enough time to get permits
- Engage professional supervision during work in the field, but also include competent inspection

Thank you for your
attention!!

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