

**IAEA REGIONAL WORKSHOP on RELEASE of
SITES and BUILDING STRUCTURES
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**DECOMMISSIONING OF SMALL FACILITY
and SITE RESTORATION**

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DECOMMISSIONING OF SMALL FACILITY (1) and SITE RESTORATION

- Between 1968-1970 a Reprocessing Plant was commissioned to separate Pu 239 from the RA-1 spent fuel. About 0.5 Pu /11,7kg U. and 5 m³ of liquid waste were generated and sent to a Radioactive Waste Management Facility before its conditioning.



DECOMMISSIONING OF SMALL FACILITY (3) and SITE RESTORATION



Characterization Plan

Determination of the current radiological and hazardous status of the facility

Assessment of the decommissioning cost, schedule, waste volumes, and radiological dose to workers.

Assessment of environmental, and health and safety risks

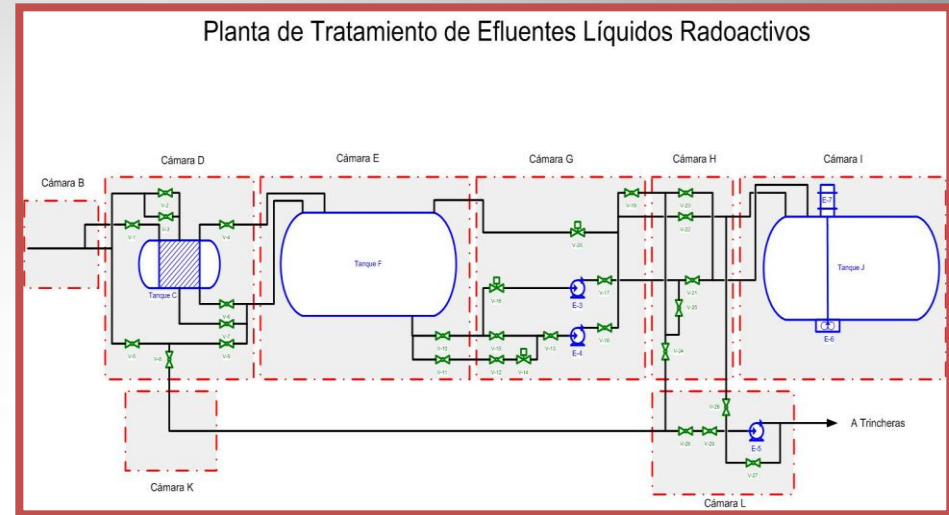
Radiation fields for all areas, equipment and structures associated.

Contamination levels for the expected range of radionuclides.

The radioactive inventory.

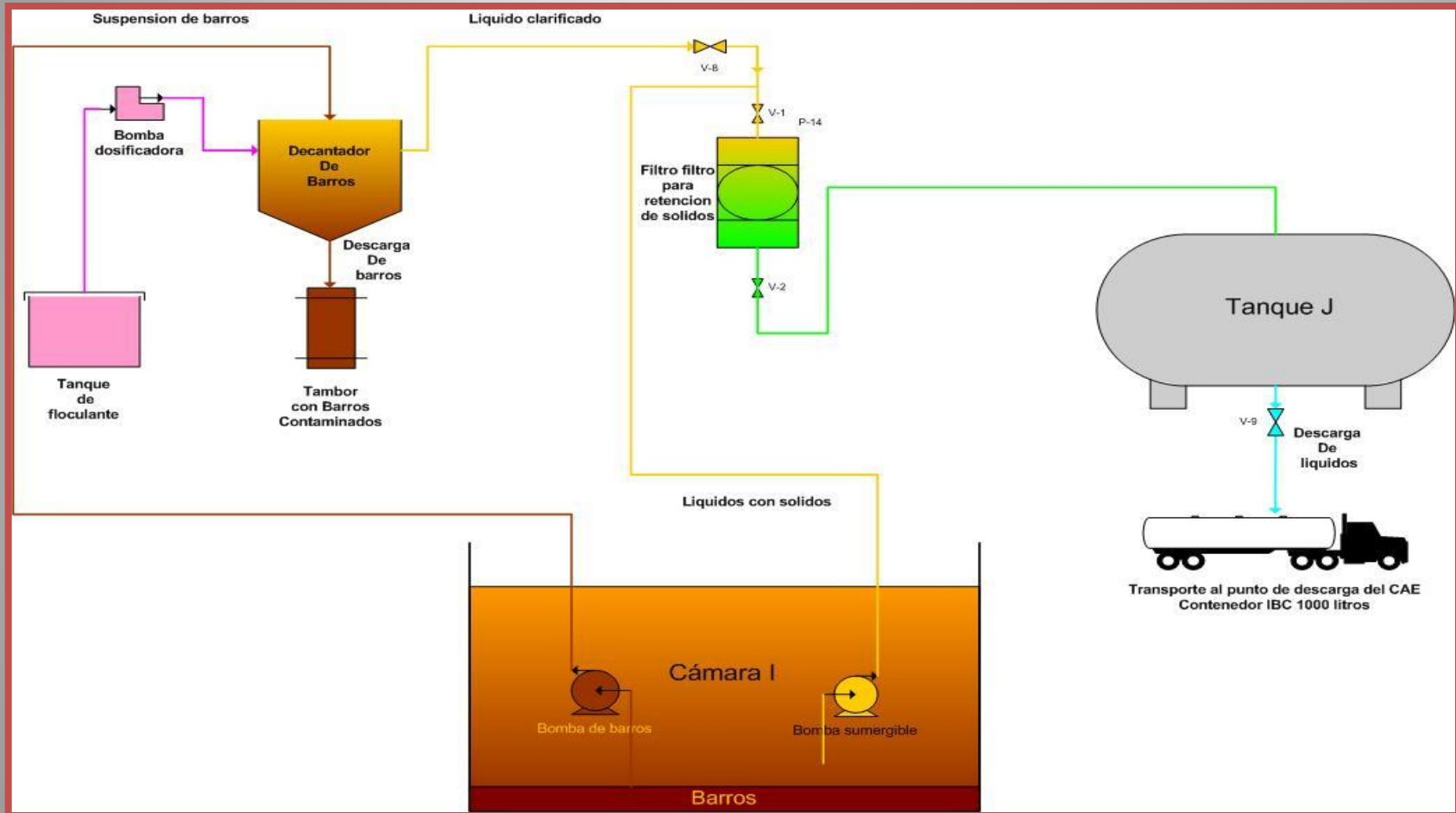


DECOMMISSIONING OF SMALL FACILITY (4) and SITE RESTORATION



- Chambers to be dismantled: B, D, H, I, K, L.
- Volumen in the chambers 52300 liters.
- Volumen of sediment 1000 liters
- All the pipes, accesories and tanks will be decontaminated and released .

DECOMMISSIONING OF SMALL FACILITY (5) and SITE RESTORATION



Flow sheet for treating of sediments

DECOMMISSIONING OF SMALL FACILITY (5) and SITE RESTORATION

Steps to be Followed

- **After the Approval of the Decommissioning Plan by the Regulatory Body**
- **Removal of liquids from chamber I**
- **Conditioning and evacuation of the waste produced**
- **Decontamination of tanks and mechanical structures in the same chamber**
- **Dismantling and /or cutting – out the main components**

This process will be repeated in each chamber