

3/11.1. RADIOACTIVE EFFLUENTS

3/11.1.1 SECONDARY SYSTEM LIQUID WASTE DISCHARGES TO ONSITE EVAPORATION PONDS

CONCENTRATION

LIMITING CONDITION FOR OPERATION

3.11.1.1 The concentration of radioactive material discharged from secondary system liquid waste to the onsite evaporation ponds shall be limited to the lower limit of detectability (LLD) defined as 5×10^{-7} $\mu\text{Ci/ml}$ for the principal gamma emitters or 1×10^{-6} $\mu\text{Ci/ml}$ for I-131.*

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION:

When any secondary system liquid waste discharge pathway concentration determined in accordance with the surveillance requirements given below exceeds the specified LLD, divert that discharge pathway to the liquid radwaste system without delay or process the liquid wastes to meet the specified limits prior to release to the onsite evaporation ponds.

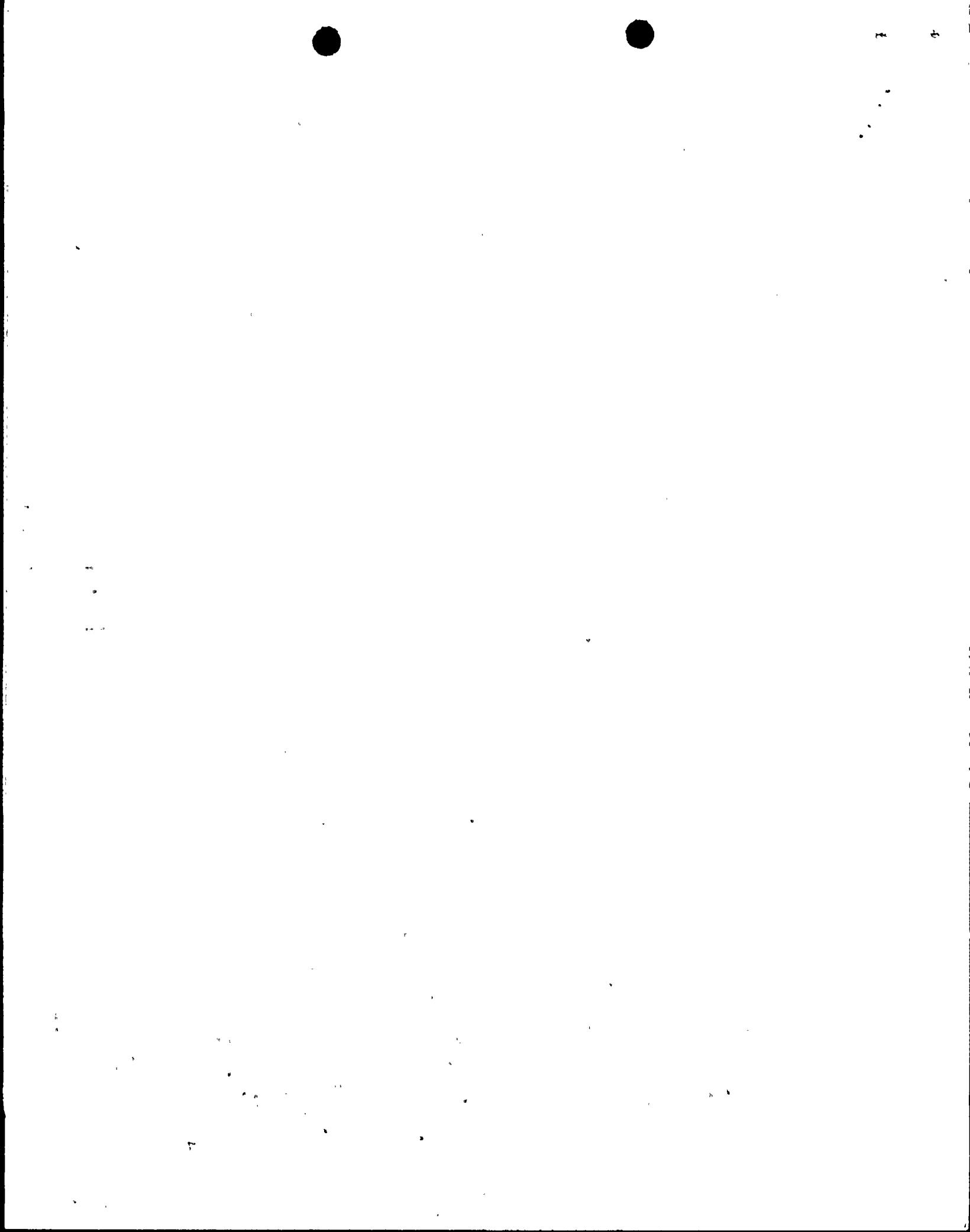
SURVEILLANCE REQUIREMENTS

4.11.1.1.1 Radioactive liquid wastes collected in the chemical waste neutralizer tank shall be sampled and analyzed prior to their batchwise discharge to the onsite evaporation pond in accordance with the sampling and analysis program specified in Table 4.11-1.

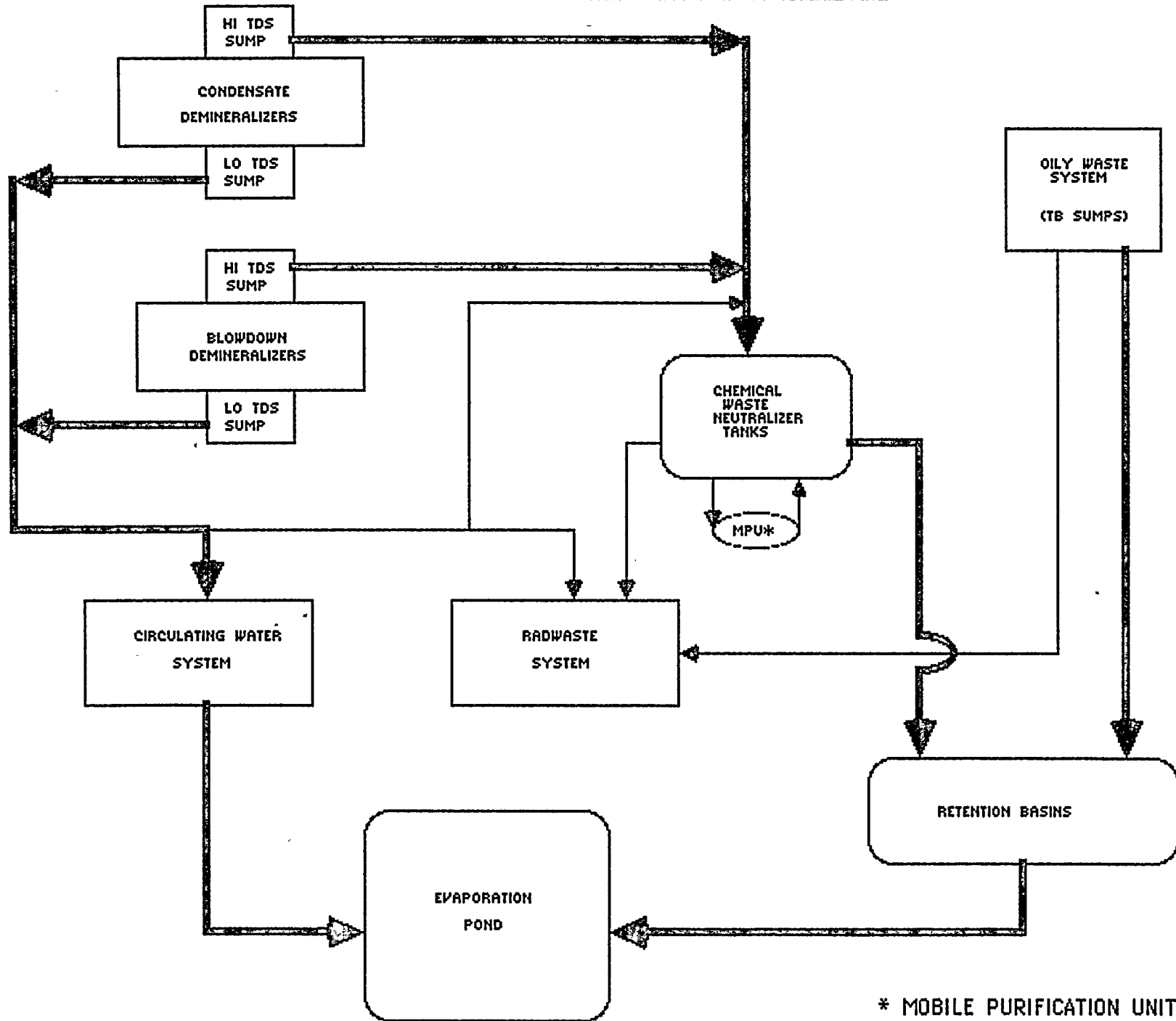
4.11.1.1.2 With the concentration of radioactive material in the chemical waste-neutralizer tank exceeding the specified LLD, sample and analyze other secondary system discharge pathways in accordance with the sampling and analysis program specified in Table 4.11-1.

* For one time only, effective March 24, 1987, releases of principal gamma emitters with half lives less than 75 days may be allowed to exceed 5×10^{-7} $\mu\text{Ci/ml}$ but be limited to 10 CFR 20, Appendix B, Table II, Col. 2 concentrations for a period not to exceed 60 days. Furthermore, effective May 23, 1987 releases of Antimony-124 (Sb-124) may be allowed to exceed 5×10^{-7} $\mu\text{Ci/ml}$, but shall be limited to 10 CFR 20, Appendix B, Table II, Column 2, Concentrations until 2400 MST on March 31, 1988.

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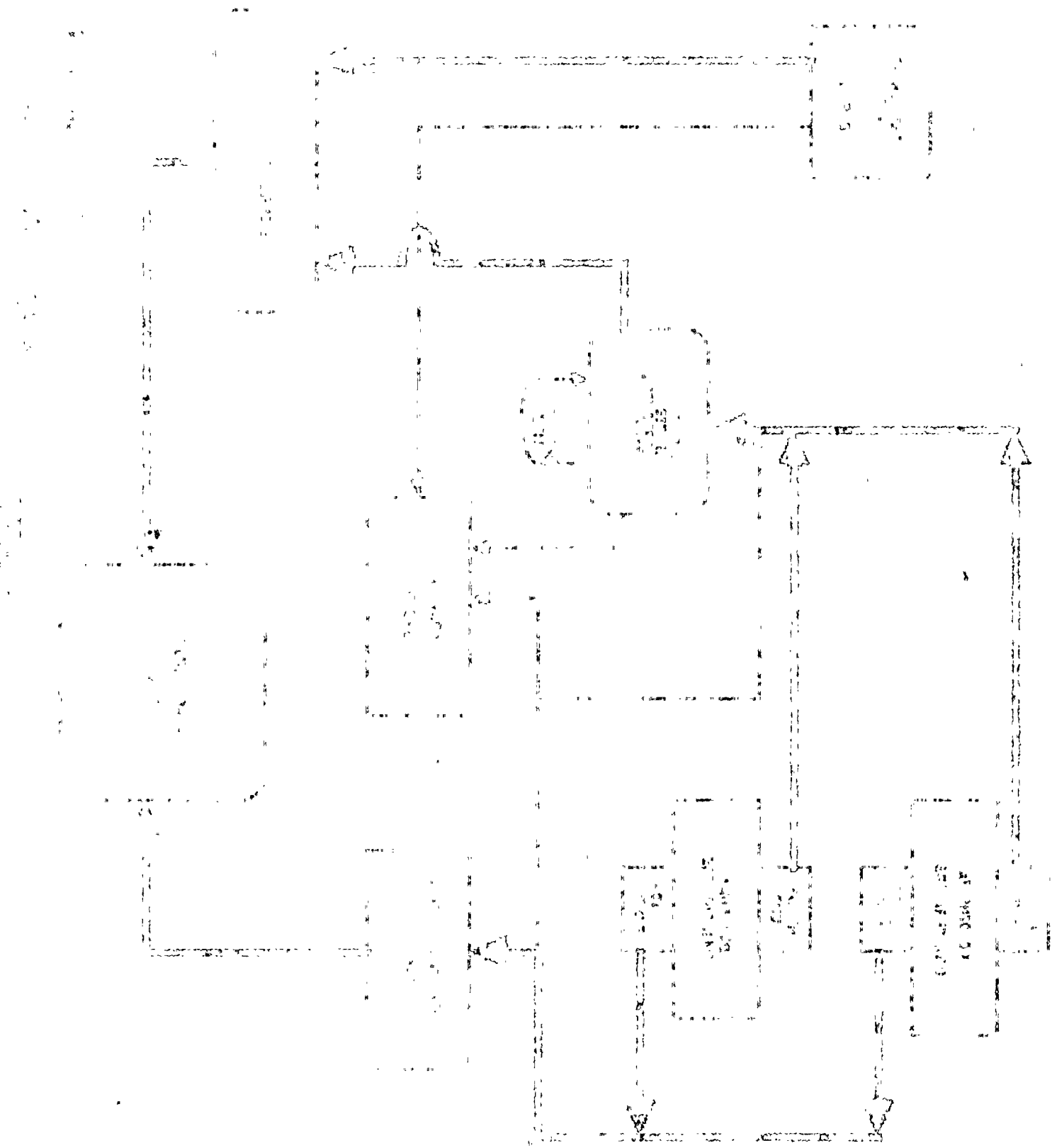
WASTE SYSTEM SCHEMATIC



* MOBILE PURIFICATION UNIT

➔ NORMAL FLOW PATH

FIGURE 1



PLAN OF THE BUILDING