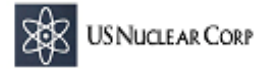


MULTINUCLIDE MONITORING SYSTEMS

AIR-STACK-LIQUID EFFLUENT

For Thorium Molten Salt Nuclear Power Plants



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| Location | Monitor Description | Air Wat er | Fixed Portable | Model |
|--|---|------------------|-------------------|---|
| CONTAINMENT Primary & Secondary | Water & Liquid Effluent Monitor | Water | Fixed | NPP-H₂O |
| | Gamma-Neutron Underwater Monitor | Water | Portable | LIQ-X-H-3 CP-MU Series |
| REACTOR CORE | | | | |
| AIR & STACK | Gas, Gross Beta-Alpha, Particulate Iodine Monitor | Air | Fixed | CAM-33 |
| | Noble Gas Monitor | | Fixed/Portable | FM-9XE-NGAS |
| | Tritium & C-14 Sampling System | | Fixed | TASC |
| | Iodine, Gas, Particulate Multichannel Analyzer Monitor | | Portable | FM-9-MCA |
| | Moving Filter Alpha Plus Beta-Gamma Particulates, Chemicals & Gas Air Monitoring System | | Portable | SAAM-2VHM |
| | Gas, Beta-Gamma Particulates, Iodine Monitor | | Portable | MicroBAM-3ZL |
| | Survey Meter | | Portable | Tricair |
| PERIMETER | Gamma Perimeter Monitor | Air | Fixed or Portable | LOGAM-E/W |
| COOLANT PIPES | Pipe Monitor | Water | Fixed/Portable | PEMO-7 |
| SAMPLE RADIOCHEMISTRY | Liquid Scintillator: Field Samples – Liquid & Solid | | Portable | SSS-22P |
| LIQUID EFFLUENT | Water & Liquid Effluent Monitor | Water | Fixed | NPP-H₂O |
| | Tritium Monitor | | Fixed | Trimaran |
| SYSTEM-WIDE NETWORK SOFTWARE | Plant-Wide RAD Network | Air/Water | Fixed/Portable | OVERHOFF OVERVIEW |
| RMS SYSTEM | RMS Repair Replacement | | | RMS Repair Replacement |

