Automated Flow Thru Tritium Water Monitor

Model: TRIMARAN – H_2O and TRIMARAN – H_2O-ES

Features

- Sensitive Enough to Detect Run-off Changes In Groundwater Tritium Plumes.
- Low Level Real Time Continuous **Tritium-In-Water Monitor**
- **Optional** Capture and Hold Sampling System
- 6 Port Intake Manifold for Sampling 6 Individual Input Lines, Sampled in Series
- Tritium Only; Ignores Other Nuclides

Sensitivity of TRIMARAN-H_2O (Standard)

- 13,500 pCi/l in 8 Hours
- 6,750 pCi/l - Detectable in 24 Hours

Sensitivity of TRIMARAN-H_2O-ES (Enhanced)

- 13,500 pCi/l in 10 Minutes
- 6,750 pCi/l - Detectable in 12 Hours

- NO LSC Fluid / No Waste Product
- Full On-Board Computing System For Data Acquistion, Analysis, Archiving and Retreival
- USB, **Optional** 4-20 mA
- Easy Integration into Facility Mainframe
- User Settable – Units, Alarm Limits, Flow Rate, etc.
- Rugged, Reliable, Simple Operation
- Steel Frame Mounted; **IP42**

Application

Monitoring changes in Tritium concentration in primary and secondary coolant, entering or leaving the Recombiner, make-up pond or spent fuel pool, etc.

Other applications include monitoring Tritium in processed water, storm water, drain effluent, ground water, rivers, lakes, and ocean currents.

Eliminates the need for pulling samples manually; waiting on expensive lab results. This automated system frees valuable and expensive personnel for other duties.

LOW END SENSITIVITIES					
H2O-ES	H2O	H2O-ES	H2O	H2O	H2O
MDA	MDA	MDA	MDA	MDA	MDA
10 MINUTES	8 HOURS	12 HOURS	24 HOURS	7 DAYS	ONE MONTH
500 Bq/L	500 Bq/L	250 Bq/L	250 Bq/L	40 Bq/L	TBD
13,500 pCi/L	13,500 pCi/L	6,750 pCi/L	6,750 pCi/L	1000 pCi/L	TBD

CBRN Real - Time Air & Water Specialists

TECHNICAL ASSOCIATES
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