



Seawater Radiation Detection A Water Protection System

Model - NEXGEN-SEA

Applications

- Monitor seawater against any and all RADIOACTIVE contaminants
- Monitor liquid-waste stream from seawater cooled nuclear plants
- Monitor around desalination systems

Problem

Seawater is vulnerable to accidental or knowing contamination by individuals, groups, industry, medical labs, terrorists and from naturally occurring radioactive materials (NORM). As yet very few locations have real-time radiation monitors in place to notify industry or the public of seawater radioactive contamination.

Solution

For the first time in a **Continuous Real-Time** monitor the Model **NEXGEN-SEA** solves this problem by continuously monitoring the water using Alpha, Beta and Gamma detectors with an OPTIONAL Tritium detector available. The information from these detectors is analyzed and displayed in units of picoCuries per liter. The calculations are updated every 2 minutes, every hour and every day. The longer update times correspond with greater precision and increased sensitivity. Sensitivities in the daily updates each meet or exceed the DHS protective Action Guide-line Levels.

Please see attached chart of measurements. Using TA Tried and True sample collection and measurement technology these detectors measure Alpha, Beta and Gamma from any radioactive liquids.

Measurements of radiation concentration and total discharge are logged 24 hours a day, 7 days a week.


Features

Measures at or Below EPA/DHS PAG Levels Protective Action Guidelines and Military Drinking Water Limits

- Real-Time, In-line, Continuous
- Detects Alphas, Betas And Gammas
- Optional Tritium
- No Reagent Tanks to Fill
- No Waste Stream
- Easy Calibration
- Prevent Acute Health Effects
- Reduce Risk of Chronic Exposure
- World's Only PAG-level $\alpha\beta\gamma$ Water monitor
- Full SCADA compatibility



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