Next Generation
Drinking Water Radiation Safety Monitor
Model Nexgen-SSS

Data: Analysis – Display, Hard-Copy Archive

In each peak or area of interest, the net counts are automatically converted to concentration units, of picoCuries/liter (using the detector efficiencies automatically measured and stored previously by NEXGEN-SSS semi-automatic self-calibration procedure).

The concentration and total activity released and MDA levels are continuously calculated and recorded. This real time information will alert the notification system. Also, all data is saved to the hard drive in spreadsheet format.

Historical data is easily displayed on-screen (and/or printed out on the optional printer) in tabular or graphical format, showing quantitative information as well as trends. Data is recorded frequently so time-resolution is excellent.

Ethernet and USB ports (with security) make it easy to archive and further analyze data.

Continuous, Reliable Data – **YES**   False Alarms – **NO**

Our newest systems have multiple layers of protections and redundancy in both the software and the physical act of reporting an alarm, that prevent false alarms. This includes an alarm voting system so that alarms will come on only if all the data is consistent and conclusive The data is continuously recorded to allow human interpretation.

Each alarm activates fail-safe relays. Relay contacts are available to user to operate external devices.

Triggered Aliquot: This feature automatically collects and stores a small water sample for independent analysis whenever an alarm or event of interest occurs
UV Lamp: Used on inlet as algae-cide
Optional: Ozone System

3 GHz Computer Includes

3 GHz Processor, 600 Gig Hard Drive, 4 GIG Ram
USB Ports
Optional: Full Graphics Printer, Color and B/W

15" LCD Monitor, Keyboard, Mouse
10 Channel Data Acquisition Board, All Cables
Ethernet for hook up to your LAN

Windows Specific Software for Alpha, Beta, Gamma Counting. Software is easily customized by user for special needs.
Data from the 1024 channel MCA- multi-channel analyzer
Port: Full SCADA compatibility
Optional: MODBUS or DNP3 or other protocols