

WebiSmarts System

PM-11 Coincidence Exhaust Stack

Radiation Detection Division



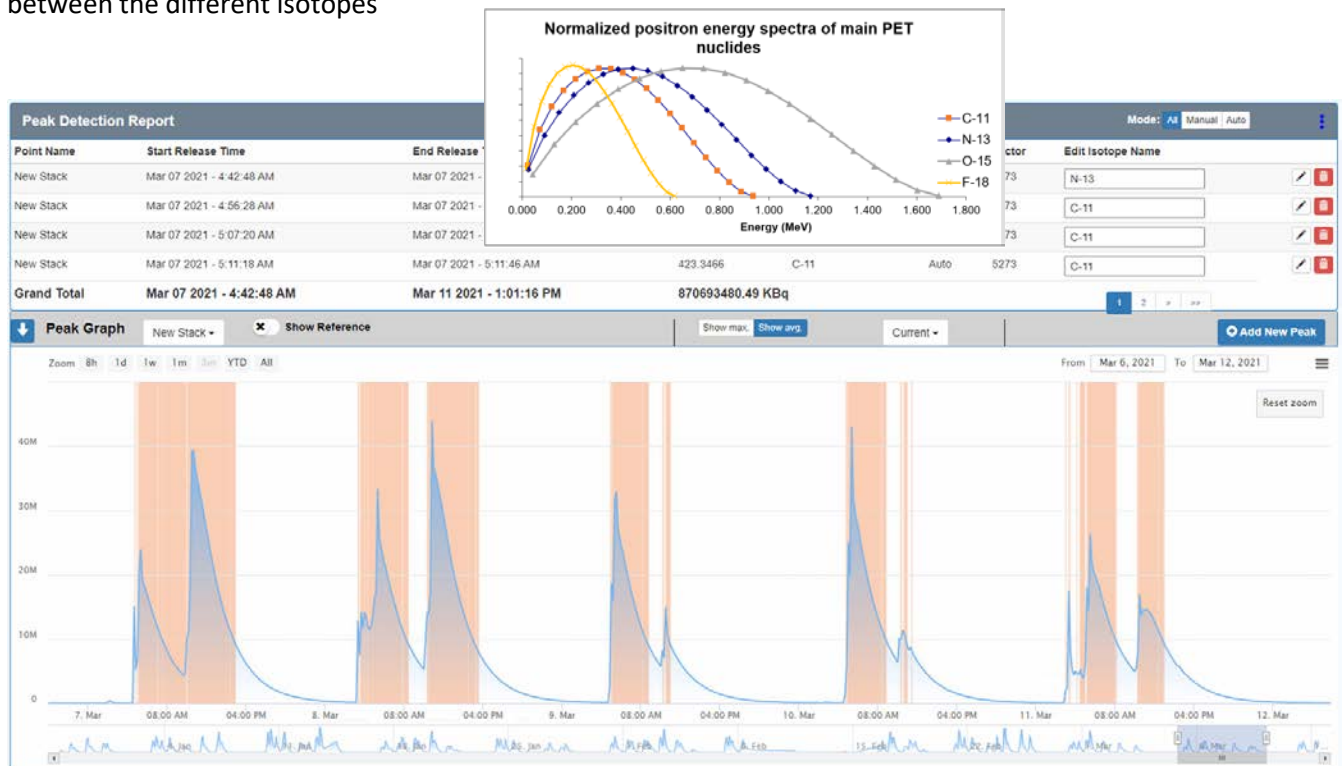
The PM-11 Coincidence System comprises of a combination of two detectors operating in unison to detect very low emissions that occur only within the Exhaust Stack and provide online Isotope identification.

The system has been developed to be used in all new WebiSmarts installations as well as a retrofit option to existing MediSmarts owners.

Our standard PM-11M detector is enhanced with a plastic detector capable of detecting the presence of positrons within the confines of the exhaust stack thus providing a trigger (yes/no) to the WebiSmarts Software. The user will continue to see the historical graph of the PM-11 readings but only the emissions confirmed by the plastic detector will be highlighted as releases. The point on the map and the emissions report will display the sum of these highlighted releases.

The Emissions Report will display both the graph with its highlighted areas and a table of the Emissions. This report can be edited by users with a suitable access level.

The beta detector provides a unique capability of not only marking local releases but also identifying the isotope being released in real time. We have introduced 5 energy windows into the beta detector to differentiate between the different isotopes



The Components

The PM-11 Coincidence Exhaust Stack is made up of the following:



PM-11 Detector
BAK-1510



Beta Detector
BAK-0177



Stainless Steel Bracket
BAK-1573



Beta Det. Cable
BAK-0901
PM-11 Det. Cable
BAK-0720



Coincidence Conn. Box
BAK-1564



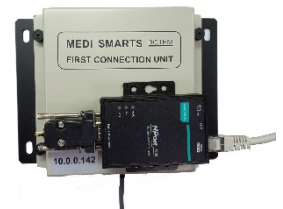
Cable to Conn. Unit
BAK-0790



Connection Unit
BAK-1000



Communications Cable
BAK-0198



Monitoring Ch. Connection Unit
BAK-2401

The Coincidence Exhaust Stack System is designed to be installed on existing MediSmarts Systems as an upgrade and will be included into the WebiSmarts System as the standard Effluent Detector.

We offer the following configurations:

CATSon	Description
BAK-0173	WebiSmarts PM-11 Coincidence Detector Retrofit 5m
BAK-0174	WebiSmarts PM-11 Coincidence Detector Retrofit 30m
BAK-0175	WebiSmarts PM-11 Coincidence Detector New 5m
BAK-0176	WebiSmarts PM-11 Coincidence Detector New 30m

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