

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: GA678D102S

DATE: September 25, 1980

PAGE 1 OF 2

DEVICE TYPE: Sulfur-In-Oil Analyzer

MODEL: PS6

MANUFACTURER/DISTRIBUTOR: Yokogawa Corp. of America - Dist.
Shenandoah GA

MANUFACTURER/DISTRIBUTOR: Yokogawa Electric Works Ltd. - Mfr.
Tokyo, Japan

SEALED SOURCE MODEL DESIGNATION: Amersham/Searle AMC 17

ISOTOPE: Americium-241

MAXIMUM ACTIVITY: 550 millicuries

LEAK TEST FREQUENCY:

PRINCIPAL USE: Beta Gauges

CUSTOM DEVICE: ☐ YES ☒ NO

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PDR FOIA
HAMMITT84-74 FDR

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PAGE 2 OF 2

DEVICE TYPE: Sulfur-In-Oil Analyzer

DESCRIPTION:

The Type PS6 Sulfur-In-Oil Analyzer is a modification of Yokogawa Corporation of America's Type 8820 Sulfur-In-Oil Analyzer. The new system (Type PS6) is installed in a cabinet, has a new processor in an explosion-proof case, and has a new model sulfur detector. The new sulfur detector (model PS6D/FM) is basically the same as the one found in the Type 8820 Sulfur-In-Oil Analyzer (same ionization chamber, same liquid cell, same source and source assembly, and same explosion-proof cover) with changes in the temperature detecting element, internal wiring for the temperature detecting element, and the terminal box has one hole for the cable instead of two holes.

LABELING:

Same as Type 8820 Sulfur-In-Oil Analyzer.

EXTERNAL RADIATION LEVELS:

Same as Type 8820 Sulfur-In-Oil Analyzer.

LIMITATIONS AND/OR OTHER CONSIDERATIONS OF USE:

Yokogawa Corporation of America offers their customers the following services: start-up service after device is installed, periodic checks and recalibration, source assembly exchange if necessary, and disposal arrangements of the source through Amersham/Searle. They do not provide a leak test service or leak test kits.

The manufacturer/distributor supplies their customers with a Radiation Safety Instruction Manual for Model PS6 Sulfur-In-Oil Analyzer, a quality control certificate, a copy of the original test report from the manufacturer and a current leak test certificate.

The Radiation Safety Instruction Manual contains general radiation safety information, instructions on demounting the radiation source assembly from the sulfur detector, and safety procedures in case of fire.

The distributor has been authorized to distribute the devices to persons specifically licensed.

ISSUING AGENCY:

Georgia Department of Human Resources