PM

WO# 3182474

Smiths Detection

Field Radiation Survey Sheet

SECTION	PART I – GENERAL PROCEDURE INFORMATION				
A "PRE-TEST INFORMATION"	NAME AND ADDRESS OF FACILITY OR AIRPORT AND SPECIFIC LOCATION OF X-RAY SYSTEM				
	NAME OF FACILITY	PVD T.F. Green State Airport			
	Is this Facility Operated Exclusively by the Federal Government?				☐ YES ☒ NO
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	2000 Post Road			
	CITY	WARWICK	STATE	RI	ZIP CODE 02886
	ROOM NO. or OTHER LOCATION	CK Pt. Lane 7	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	6040 ETX	
	DATE OF MFR.	Sept-2008	SERIAL NO.	79522	
	MFR. CERTIFICATION LABEL ATTACHED	☒ YES ☐ NO			
B "CABINET X-RAY CLASSIFICATION"	CLASSIFICATION OF CABINET X-RAY SYSTEM				
	☒ Baggage Inspection	☐ Special Purpose	☐ General Purpose	☐ Other	Describe Other:
C "POSTINGS & INSTRUCTIONS"	POSTING & INSTRUCTION VERIFICATION (Not Applicable for Facilities Operated Exclusively by the Federal Government)				
	☒ State "Notice to Employees" Document Posted	☒ Operators Instruction Manual on Location	☐ N/A		
	☒ Certificate of X-ray Machine Registration on Location	☒ Cabinet X-Ray Machine Maintenance Schedule Available			
D "WARNING LIGHTS & INDICATORS"	WARNING LIGHTS & INDICATOR VERIFICATION				
	Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized"				☒ YES ☐ NO
	Warning Labels Present at Ports Stating "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard"				☒ YES ☐ NO
	Two Indicators Labeled "X-Ray ON" Present at Controls				☒ YES ☐ NO
	At Least One Indicator, Marked "X-Ray ON", is Visible from Each Port, Door, and Access Panel				☒ YES ☐ NO
E "INTERLOCKS"	INTERLOCK VERIFICATION TEST				
	The Key for the Key Actuated Control Cannot be removed in Any Mode that Allows X-Ray Generation				☐ YES ☒ NO
	All Doors and Access Panels that were Tested Prevent Generation of X-Rays				☒ YES ☐ NO
	The Use of the ON Control is Necessary to Resume Operation of X-Rays Following Interruption of X-Ray Generation				☒ YES ☐ NO
F "PORTS AND APERTURES"	ACCESS TO PORTS AND APERTURES				
	Some Part of the Body Can Be Inserted Through A "Port" Into the Primary Beam				☐ YES ☒ NO
	Some Part of the Body Can Be Inserted Through An "Aperture"				☐ YES ☒ NO ☐ N/A
G "BAGGAGE INSPECTION UNITS"	BAGGAGE INSPECTION UNIT CHECKS ONLY				
	Means Provided to Ensure Operator Presence at the Control Area which Permits Surveillance of All Ports and Doors During X-Ray Generation				☒ YES ☐ NO
	Means Provided to the Operator for Terminating Exposures of Greater Than One-Half Second and Preventing Additional Exposures of Less Than One-Half Second				☒ YES ☐ NO

ENTERED JUN 30 2010

Form # 002.Gen-RUSUR
Revision Date 03/11/2008

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Smiths Detection

Field Radiation Survey Sheet

WO # 318274

SECTION	PART II - SPECIFIC PROCEDURE INFORMATION
H "LEAKAGE RADIATION"	LEAKAGE RADIATION - SPECIFIC TEST PROCEDURE # 01

Scattering Body Description: ☐ Lucite ☒ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: kV / mA See Comments

Background: 4 uR/hr

Radiation Survey Instrument Used: Make/Model Number: RAD EYE PRO-ER; Serial Number: 0329; Calibration Date Due: JAN-28-2011

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	6	uR/hr		mR	
	2	4	uR/hr		mR	
	3	4	uR/hr		mR	
	4	38	uR/hr		mR	
	5	5	uR/hr		mR	
	6	5	uR/hr		mR	
	7	4	uR/hr		mR	
	8	4	uR/hr		mR	
	9	5	uR/hr		mR	
	10	4	uR/hr		mR	
	11	4	uR/hr		mR	
	12	4	uR/hr		mR	
	13	4	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 38 uR/hr ? Location Description: Exit Tunnel Curtain

All External Surface Exposure Rate Readings Are Less Than 500 uR/hr (0.5 mR/hr) IAW 21 CFR 1020.40: ☒ YES ☐ NO

I "ADDITIONAL INFORMATION"

ADDITIONAL INFORMATION

Overall Condition of Cabinet X-Ray Unit	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition
Condition of Lead Curtains	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition

Other Comments, Recommendations, Corrections, or Problems Encountered

	High Voltage	Heater Current	Anode
Gen A	+78 kV - 78 kV	466 mA	668 uA
Gen B	+82 kV - 82 kV	494 mA	714 uA
Gen C	+82 kV - 82 kV	476 mA	695 uA
Gen D	+81 kV - 81 kV	489 mA	700 uA

Average Commulative Dose / Inspection .143 mR

SURVEYOR'S NAME (Print: Last, First, Middle Int.): [redacted]

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 6-25-10

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