PM

Smiths Detection

Field Radiation Survey Sheet

WO# 3179392

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 3	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	6040 STIX	
	DATE OF MFR.	Sept-2008	SERIAL NO.	79523	
	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

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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 PRD-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	5	uR/hr		mR	
	3	5	uR/hr		mR	
	4	68	uR/hr		mR	
	5	4	uR/hr		mR	
	6	5	uR/hr		mR	
	7	5	uR/hr		mR	
	8	5	uR/hr		mR	
	9	5	uR/hr		mR	
	10	4	uR/hr		mR	
	11	4	uR/hr		mR	
	12	4	uR/hr		mR	
	13	5	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 68 uR/hr — Location Description: Exit Tunnel curtains

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	+85.15kV - 83.32 kV	508 mA	732 uA
Gen B	+79.66 kV - 77.83kV	476 mA	686 uA
Gen C	+81.49 kV - 78.74kV	462 mA	695 uA
Gen D	+75.99 kV - 76.91kV	467 mA	663 uA

Average Commulative Dose / Inspection .153 mR

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 6-24-10

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