Smiths Detection

Field Radiation Survey Sheet

WO# 2813528

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 Rd			
	CITY	WARRICK	STATE RI	ZIP CODE	02886
	ROOM NO. or OTHER LOCATION	EK.PT. Lane 7	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	6040 aTix	
	DATE OF MFR.	07-08	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			

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SECTION H "LEAKAGE RADIATION"

PART II - SPECIFIC PROCEDURE INFORMATION

LEAKAGE RADIATION - SPECIFIC TEST PROCEDURE # 01

Scattering Body Description: ☐ Lucite ☒ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: kV See Comments; mA "

Radiation Survey Instrument Used: Make/Model Number: Rad Eye PRO-ER; Serial Number: 0329; Calibration Date Due: 2-25-2010

Background: 3 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	3	uR/hr		mR	
	2	5	uR/hr		mR	
	3	5	uR/hr		mR	
	4	31	uR/hr		mR	
	5	20	uR/hr		mR	
	6	14	uR/hr		mR	
	7	3	uR/hr		mR	
	8	4	uR/hr		mR	
	9	4	uR/hr		mR	
	10	3	uR/hr		mR	
	11	4	uR/hr		mR	
	12	4	uR/hr		mR	
	13	4	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 31 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

Gen A +77 - 76.6kv Heater 466 mA Anode 668 uA
Gen B +82 - 80.1kv " 489 " " 714 uA
Gen C +81 - 79.0kv " 479 " " 695 uA
Gen D +81 - 79.5kv " 485 "
Gen D Anode Current 700 uA

Average Cummlative Dose .168 mR

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

SURVEYOR'S SIGNATURE [redacted]

DATE OF SURVEY AND INSPECTION 1-8-2010

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