smiths

Smiths Detection

Field Radiation Survey Sheet

WO# 2813532

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	Warwick	STATE RI	RI	ZIP CODE 02886
	ROOM NO. or OTHER LOCATION	Main CK Pt LN 3	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	6040 aTix	
	DATE OF MFR.	Oct. 08	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			

ENTERED JAN 1 4 2010

JAN PM 58459 2813532

Form # 002.SerFRSSHF
Revision Date 03/11/2008

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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 See Comments; mA: "

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

Background: 4 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	5	uR/hr		mR	
	2	5	uR/hr		mR	
	3	5	uR/hr		mR	
	4	31	uR/hr		mR	
	5	18	uR/hr		mR	
	6	16	uR/hr		mR	
	7	5	uR/hr		mR	
	8	5	uR/hr		mR	
	9	4	uR/hr		mR	
	10	5	uR/hr		mR	
	11	6	uR/hr		mR	
	12	5	uR/hr		mR	
	13	5	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
+ 85.15 Kv
− 83.32 Kv
HTR. Current 508.16 mA
Anode 732.48 uA

Gen B
+ 79.66 Kv
− 77.83 Kv
471.53 mA
686.70 uA

Gen C
+ 81.49 Kv
− 78.74 Kv
462.38 mA
695.86 uA

Gen D
+ 76.91 Kv
− 75.99 Kv
HTR Cur 457.80 mA
Anode 663.81 uA

Commulative Dose Read .219 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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