smiths

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	Main C.P. Ln. 7	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths	MODEL NO.	A-TIX	
	DATE OF MFR.	October 2008	SERIAL NO.	79522	
	MFR. CERTIFICATION LABEL ATTACHED	☒ YES ☐ NO	[redacted]		
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 FEB 05 2009

FEB 58458
non-sched 2097755 (Install)

Form # 002.SerFRSSHF
Revision Date 08/31/2004

[redacted]

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Smiths Detection

Field Radiation Survey Sheet

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 160; mA 398

Radiation Survey Instrument Used: Make/Model Number Ludlum FH40; Serial Number 014800; Calibration Date Due 9-2-10

Background: 2.8 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	8.5	uR/hr		mR	
	2	11.4	uR/hr		mR	
	3	9.6	uR/hr		mR	
	4	9.9	uR/hr		mR	
	5	10.2	uR/hr		mR	
	6	10.1	uR/hr		mR	
	7	10.1	uR/hr		mR	
	8	10.3	uR/hr		mR	
	9	10.0	uR/hr		mR	
	10	9.7	uR/hr		mR	
	11	10.0	uR/hr		mR	
	12	10.6	uR/hr		mR	
	13	10.6	uR/hr		mR	
	14	10.9	uR/hr		mR	
Highest External Surface Exposure Rate Reading		11.4	uR/hr	Location Description		2

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

Generator A
76.45 KV
-79.91 KV
Htr current 462.38 ma
Anode current 668.39 ua

Generator B
82.86 KV
-81.95 KV
Htr current 494.42 ma
Anode current 718.75 ua

Generator C
80.11 KV
-79.66 KV
Htr current 466.6 ma
Anode current 691.28 ua

Generator D
81.03 KV
-80.57 KV
Htr current 480.69 ma
Anode current 700.43 ua

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 2-2-09

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[redacted]