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 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 TERM L 7	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths	MODEL NO.	6040 ATX	
	DATE OF MFR.	OCT 2008	SERIAL NO.	79523	
	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		

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

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Field Radiation Survey Sheet

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

Scattering Body Description: PAPER SCATTER Black — ☐ Lucite ☑ Paper ☐ Other

Describe Other:

X-Ray Machine Settings	kV	F1.9-81	Background
	mA	.714	4 uR/hr
Radiation Survey Instrument Used	Make/Model Number	Innovision 45IP	
	Serial Number	441	
	Calibration Date Due	8-03-10	

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	10	uR/hr		mR	
	2	14	uR/hr		mR	
	3	28	uR/hr		mR	
	4	24	uR/hr		mR	
	5	20	uR/hr		mR	
	6	23	uR/hr		mR	
	7	10	uR/hr		mR	
	8	15	uR/hr		mR	
	9	15	uR/hr		mR	
	10	30	uR/hr		mR	
	11	37	uR/hr		mR	
	12	32	uR/hr		mR	
	13	10	uR/hr		mR	
Highest External Surface Exposure Rate Reading		37	uR/hr	Location Description		

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: New	☐ SAT	☐ UNSAT *	* Describe UNSAT Condition	
Condition of Lead Curtains: New	☐ SAT	☐ UNSAT *	* Describe UNSAT Condition	

Other Comments, Recommendations, Corrections, or Problems Encountered

(A) 77.8 - 75.5 Avrk .668 mA
(B) 81.9 - 81.0 Avrk .714 mA
(C) 81.9 - 78.7 Avrk .695 mA
(D) 81.4 - 79.6 Avrk .700 mA

Average internal pose .76 mR

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

SURVEYOR'S SIGNATURE [redacted]

DATE OF SURVEY AND INSPECTION: 10-03-09

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NOH 264 2442