smiths WO 2703387 **Field Radiation Survey Sheet**

Smiths Detection

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	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	ZIP CODE	02886
	ROOM NO. or OTHER LOCATION	main CP LN3	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	HiTrax 60401 Atix	
	DATE OF MFR.	Sep 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 N/A			
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 NOV 0 5 2009

Oct

Non-Scheap 58459

Reactive 2703387

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

smiths w/o 2703387 **Field Radiation Survey Sheet**

Smiths Detection

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

Scattering Body Description: Plastic Bins ☐ Lucite ☐ Paper ☑ Other

Describe Other:

X-Ray Machine Settings: See comments kV / mA

Background: uR/hr

Radiation Survey Instrument Used: Make/Model Number: Inovision 451P; Serial Number: 582; Calibration Date Due: 10/28/10

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
Pax sideexit	1	23	uR/hr		mR	
"	2	21	uR/hr		mR	
"	3	24	uR/hr		mR	
Pax sideexit	4	37	uR/hr		mR	
"	5	37	uR/hr		mR	
"	6	43	uR/hr		mR	
OP side view	7	11	uR/hr		mR	
"	8	4	uR/hr		mR	
"	9	7	uR/hr		mR	
Pax sideview	10	11	uR/hr		mR	
"	11	3	uR/hr		mR	
"	12	5	uR/hr		mR	
Top	13	28	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 43 uR/hr — Location Description: Pax exit low left

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 +85-84 KV 504 mA 732 μa
Gen B +80-78 KV 476 mA 686 μa
Gen C +81-78 kV 462 mA 696 μa
Gen D +76-76 kV 467 mA 664 μa

Cummulative dosage reading = .76 mR

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 10/28/09

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