smiths

Smiths Detection

Field Radiation Survey Sheet

WO #2321748

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	TF Green Airport			
	Is this Facility Operated Exclusively by the Federal Government?	☑ YES ☐ NO			
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	4 POST ROAD			
		MAIN checkpoint L7			
	CITY	Providence	STATE	RI	ZIP CODE 02886
	ROOM NO. or OTHER LOCATION	MAIN TERMINAL L7	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	6040-ATFX	
	DATE OF MFR.	Sep 2003	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 Prevailing Additional Exposures of Less Than One-Half Second	☑ YES ☐ NO			

ENTERED

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

May
Nonsched 5/4/08
Reactive 2321748

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Smiths Detection

Field Radiation Survey Sheet

WO# 232174D

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

Scattering Body Description: PAPER SCATTER BLOCK ☐ Lucite ☑ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: kV +81.4-80.1; mA .695

Background: 9 uR/hr

Radiation Survey Instrument Used: Make/Model Number: INOVISION 451P; Serial Number: 441; Calibration Date Due: 8-04-09

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	4	uR/hr		mR	
	2	6	uR/hr		mR	
	3	8	uR/hr		mR	
	4	6	uR/hr		mR	
	5	10	uR/hr		mR	
	6	13	uR/hr		mR	
	7	15	uR/hr		mR	
	8	18	uR/hr		mR	
	9	19	uR/hr		mR	
	10	12	uR/hr		mR	
	11	15	uR/hr		mR	
	12	16	uR/hr		mR	
	13	9	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 19 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

GEN A: +76.9-76.4 Anode .668mA

GEN B: +83.8-81.0 Anode .718mA

GEN C: +80.6-79.2 Anode .691mA

GEN D: +81.4-80.1 Anode .695mA

Average Internal Dose .84mRem/hr

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 5-08-09

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