smiths

Smiths Detection

Field Radiation Survey Sheet

w/o - 3198005

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	MEM INT'L Airport			
	Is this Facility Operated Exclusively by the Federal Government?			☐ YES	☒ NO
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	6491 Winchester RD			
	CITY	Memphis	STATE TN	ZIP CODE 38116	
	ROOM NO. or OTHER LOCATION	AV L2	CONTACT PERSON		
	PHONE NO.		FAX NO.		
	MANUFACTURER	Smith Detection	MODEL NO.	6040 ATX	
	DATE OF MFR.	2/2008	SERIAL NO.	77083	
	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" LABELS WORN OFF.			☐ 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 N/A			☐ 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" N/A			☐ 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: ☐ Lucite ☒ Paper ☐ Other — Describe Other:

X-Ray Machine Settings: See Comments kV / mA

Radiation Survey Instrument Used: Make/Model Number: Thermo Scientific; Serial Number: 0979; Calibration Date Due: 2/19/11

Background: .002 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)	Internal Exposure (mR) "Optional"	Comments
	1	.003 uR/hr 4	mR	
	2	.003 uR/hr 3	mR	
	3	.003 uR/hr 3	mR	
	4	.044 uR/hr 44	mR	
	5	.002 uR/hr 2	mR	
	6	.002 uR/hr 2	mR	
	7	.002 uR/hr 2	mR	
	8	.002 uR/hr 2	mR	
	9	.002 uR/hr 2	mR	
	10	.002 uR/hr 2	mR	
	11	.002 uR/hr 2	mR	
	12	.003 uR/hr 3	mR	
	13	.003 uR/hr 3	mR	
Highest External Surface Exposure Rate Reading		.044 uR/hr 44	Location Description	EXIT

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

	kV	mA
A	80.57/-76.45	481
B	75.99/-73.70	467
C	82.40/-79.66	485
D	75.99/-72.79	462

*Avg int Dose 1.42 mR (142 μR)

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 6/28/2010

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

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