smiths

Smiths Detection

Field Radiation Survey Sheet

W/O 3487758

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	Memphis Intl Airport			
	Is this Facility Operated Exclusively by the Federal Government?			☐ YES	☒ NO
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	WINCHESTER BLVD.			
	CITY	MEMPHIS	STATE TN	ZIP CODE	38116
	ROOM NO. or OTHER LOCATION	F[redacted]	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smith Heimann	MODEL NO.	HS6040 ATX	
	DATE OF MFR.	12/2007	SERIAL NO.	76669	
	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

C

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PM 3420083 & 3487758

(Apple for PM)

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: 8 items — ☐ Lucite ☒ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: SEE COMMENTS — mA

Radiation Survey Instrument Used: Make/Model Number: INOVISION 451P-RIR

Serial Number: 0606

Calibration Date Due: 6/2011

Background: DAM 11 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	.014	uR/hr 14		mR	
	2	.015	uR/hr 15		mR	
	3	.014	uR/hr 14		mR	
EXIT	4	.034	uR/hr 34		mR	
	5	.011	uR/hr 11		mR	
	6	.013	uR/hr 13		mR	
	7	.017	uR/hr 17		mR	
	8	.019	uR/hr 19		mR	
	9	.013	uR/hr 13		mR	
	10	.016	uR/hr 16		mR	
	11	.014	uR/hr 14		mR	
	12	.014	uR/hr 14		mR	
	13	.012	uR/hr 12		mR	

Highest External Surface Exposure Rate Reading: .034 uR/hr 34 — 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

	A	B	C	D
+ KV	79.20	76.91	84.69	78.28
− KV	-76.91	-74.62	-81.95	-76.45
mA	480.69	475.53	517.31	480.69

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

SURVEYOR'S SIGNATURE [redacted]

DATE OF SURVEY AND INSPECTION: 10/28/2010

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