smiths

Smiths Detection

Field Radiation Survey Sheet

2632488

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)	MEM Intl Airport			
	CITY	Memphis	STATE	TN	ZIP CODE 38132
	ROOM NO. or OTHER LOCATION		CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smith Detection	MODEL NO.	HS6040 ATIX	
	DATE OF MFR.	April 2008	SERIAL NO.	76968	
	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			
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 OCT 1 2 2009

OCT 57377
Non-sched 2632488

Re-Install

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

smiths

Sealed Detection

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: kV 160; mA 470

Background: uR/hr

Radiation Survey Instrument Used: Make/Model Number: THERMO ESM FH40L; Serial Number: 015377; Calibration Date Due: 7/27/10

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	10.2	uR/hr		mR	
	2	6.9	uR/hr		mR	
	3	8.5	uR/hr		mR	
	4	11.4	uR/hr		mR	
	5	12.5	uR/hr		mR	
	6	7.92	uR/hr		mR	
	7	8.34	uR/hr		mR	
	8	7.83	uR/hr		mR	
	9	7.34	uR/hr		mR	
	10	7.38	uR/hr		mR	
	11		uR/hr		mR	
	12		uR/hr		mR	
	13		uR/hr		mR	

Highest External Surface Exposure Rate Reading: 12.5 uR/hr 5 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	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition
Condition of Lead Curtains	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition

Other Comments, Recommendations, Corrections, or Problems Encountered

	GEN A	GEN B	GEN C	GEN D
+High	78.74	77.83	77.83	75.08
-High	-76.45	-75.54	-75.54	-74.16
Heater	462.38 mA	476.11 mA	463.38 mA	466.96 mA
Anode	682.12 uA	672.97 uA	672.97 uA	650.08 uA

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 9/30/09

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