smiths

Smiths Detection

Field Radiation Survey Sheet

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 Int'l 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 58	
	ROOM NO. or OTHER LOCATION	FIS	CONTACT PERSON		
	PHONE NO.	901	FAX NO.		
	MANUFACTURER	Smiths Heimann	MODEL NO.	HS6040 Atix	
	DATE OF MFR.	12/2007	SERIAL NO.	76069	
	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 DEC 0 3 2009 NOV 57045

PM 27/7/27

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

Scattering Body Description: PELICAN CASE

☐ Lucite ☐ Paper ☒ Other

Describe Other: Pelican Case

X-Ray Machine Settings: kV 142 / mA 192

Radiation Survey Instrument Used: Make/Model Number: INOVISION; Serial Number: 0606; Calibration Date Due: 6/17/10

Background: 13 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	5	uR/hr		mR	
	2	7	uR/hr		mR	
	3	12	uR/hr		mR	
	4	34	uR/hr		mR	
	5	14	uR/hr		mR	
	6	~~16~~ 18	uR/hr		mR	
	7	~~16~~ 17	uR/hr		mR	
	8	~~16~~ 16	uR/hr		mR	
	9	13	uR/hr		mR	
	10	16	uR/hr		mR	
	11	12	uR/hr		mR	
	12	12	uR/hr		mR	
	13	13	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 34 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	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition	
Condition of Lead Curtains	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition	

Other Comments, Recommendations, Corrections, or Problems Encountered

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 11/25/09

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