smiths

Smiths Detection

Field Radiation Survey Sheet

W/O-3449916

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 RL, or Airline and Airport)	2495 Winchester BLVD			
	CITY	Memphis	STATE TN	ZIP CODE	38116
	ROOM NO. or OTHER LOCATION	C Check point	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smith Hiemann	MODEL NO.	HS 6040 ATIX	
	DATE OF MFR.		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 N/A
	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

OCT 57377
non-sched 3449916

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

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

Scattering Body Description: Paper x 8 Reams ☐ Lucite ☒ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: See comments

mA

Background: .007 uR/hr

Radiation Survey Instrument Used: Make/Model Number: INSPECTOR 45IP

Serial Number: 0606

Calibration Date Due: 6/26/11

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	15	uR/hr		mR	
	2	14	uR/hr		mR	
	3	13	uR/hr		mR	
	4	33	uR/hr		mR	
	5	20	uR/hr		mR	
	6	15	uR/hr		mR	
	7	15	uR/hr		mR	
	8	14	uR/hr		mR	
	9	14	uR/hr		mR	
	10	16	uR/hr		mR	
	11	17	uR/hr		mR	
	12	15	uR/hr		mR	
	13	18	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 33 uR/hr 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	79.66	78.74	78.74	75.54
-kV	75.54	-74.62	-75.08	-73.70
mA	462.38	476.11	457.80	471.53

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

SURVEYOR'S SIGNATURE [redacted]

DATE OF SURVEY AND INSPECTION: 10/12/2010

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Revision Date 03/11/2008