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	Baltimore Washington International Airport			
	Is this Facility Operated Exclusively by the Federal Government?			☒ YES	☐ NO
	ADDRESS (Street No., Rural Rt, or Airline and Airport)	BWI TSA Operations Office Room C-201			
	CITY	Baltimore	STATE MD	ZIP CODE 21240	
	ROOM NO. or OTHER LOCATION	D-Pier	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.	[redacted]	
	MANUFACTURER	Smiths	MODEL NO.	6040 aTIX	
	DATE OF MFR.	5/2008	SERIAL NO.	77584	
	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

smiths

Smiths 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: Material Case

X-Ray Machine Settings	kV	See	Background
	mA	Comment	
Radiation Survey Instrument Used	Make/Model Number	Inuvision 451P	14 uR/hr
	Serial Number	0594	
	Calibration Date Due	9-1-11	

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	17	uR/hr		mR	
	2	16	uR/hr		mR	
	3	17	uR/hr		mR	
	4	58	uR/hr		mR	
	5	13	uR/hr		mR	
	6	19	uR/hr		mR	
	7	16	uR/hr		mR	
	8	14	uR/hr		mR	
	9	14	uR/hr		mR	
	10	17	uR/hr		mR	
	11	14	uR/hr		mR	
	12	13	uR/hr		mR	
	13	11	uR/hr		mR	
Highest External Surface Exposure Rate Reading		58	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

Anode Voltage (Kv)	Anode Current (uA)	
A = 75.23 Kv - 77.41 Kv	512 uA	WO#
B = 75.14 Kv - 77.52 Kv	462 uA	3812491
C = 75.43 Kv - 76.82 Kv	466 uA	.74 mR
D = 77.32 Kv - 78.12 Kv	491 uA	avg.

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

SURVEYOR'S SIGNATURE [redacted]

DATE OF SURVEY AND INSPECTION 3-28-11

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