Smiths

Smiths Detection

WO 3767803

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	Logan Int'l Airport			
	Is this Facility Operated Exclusively by the Federal Government?	☑ YES ☐ NO			
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	1 Harborside Dr.			
	CITY	E. Boston	STATE	MA	ZIP CODE 02128
	ROOM NO. or OTHER LOCATION	US Air Shuttle	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.	[redacted]	
	MANUFACTURER		MODEL NO.	6040 ATIX	
	DATE OF MFR.		SERIAL NO.	80188	
	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			

PORR 3767803 — MT 23903 — R60

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: Plastic bin — ☑ Lucite ☐ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: see notes — kV / mA

Background: 10 uR/hr

Radiation Survey Instrument Used — Make/Model Number: Ludlum 451P; Serial Number: 582; Calibration Date Due: 9/1/11

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
Pax side ent	1	6	uR/hr		mR	
"	2	11	uR/hr		mR	
"	3	6	uR/hr		mR	
Pax side exit	4	85	uR/hr		mR	
"	5	75	uR/hr		mR	
"	6	105	uR/hr		mR	
OP side view	7	3	uR/hr		mR	
"	8	7	uR/hr		mR	
"	9	11	uR/hr		mR	
Pax side view	10	11	uR/hr		mR	
"	11	10	uR/hr		mR	
"	12	5	uR/hr		mR	
top view	13	6	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 105 uR/hr — Location Description: Pax side exit #6

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
+ voltage (kv)	79.20	81.03	76.45	81.95
- voltage (kv)	72.83	80.11	76.45	80.57
Heater current (mA	471.5	503.6	471.5	4.99
Anode current (μA)	786.7	705	668.3	705

Cumulative = 94 mR

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 3/28/11

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