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	San Francisco International Airport			
		Is this Facility Operated Exclusively by the Federal Government?		☑ YES ☐ NO ☑ unknown	
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	[redacted]			
	CITY	San Francisco	STATE	CA	ZIP CODE 94128
	ROOM NO. or OTHER LOCATION	IT-CP-G L6	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	6040 ATIX	
	DATE OF MFR.	10/9	SERIAL NO.	79337	
	MFR. CERTIFICATION LABEL ATTACHED	☑ YES ☐ NO	WO# 3768128		
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 In[redacted]anual 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 [redacted] ☐ 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 [redacted] ☑ 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	

EQ: 58385
WO: 3768128
Adhoc RLS - TSA

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: 8 reams

☐ Lucite ☑ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: See comments — kV: 160; mA: .700

Background: 2 uR/hr

Radiation Survey Instrument Used — Make/Model Number: Inovision 451P; Serial Number: 573; Calibration Date Due: 10/21/11

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	6	uR/hr		mR	
	2	6	uR/hr		mR	
	3	7	uR/hr		mR	
	4	28	uR/hr		mR	
	5	25	uR/hr		mR	
	6	25	uR/hr		mR	
	7	3	uR/hr		mR	
	8	3	uR/hr		mR	
	9	4	uR/hr		mR	
	10	3	uR/hr		mR	
	11	4	uR/hr		mR	
	12	4	uR/hr		mR	
	13	8	uR/hr		mR	
						Exit

Highest External Surface Exposure Rate Reading: 28 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

A	B	C	D
77.37 KV	82.86 KV	78.74 KV	82.86 KV
- 75.62 KV	- 80.11 KV	- 76.45 KV	- 80.57 KV
H 457.8 mA	494.42 mA	476.11 mA	503.58 mA
A 663.81 uA	714.17 uA	677.54 uA	714.17 uA

10 pass 7.8 mR

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 3-6-11