smiths

Smiths Detection

Field Radiation Survey Sheet

wo# 2617765

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	SFO			
	Is this Facility Operated Exclusively by the Federal Government?				☑ YES ☐ NO
	ADDRESS (Street No., Rural Rt., or Airline and Airport)				
	CITY	San Francisco	STATE	CA	ZIP CODE 94128
	ROOM NO. or OTHER LOCATION	T1-CP-B	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Heimann	MODEL NO.	6040 AT2 X	
	DATE OF MFR.	OCT 2008	SERIAL NO.	79251	
	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

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Non sched 2617765

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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 of paper

☐ Lucite ☑ Paper ☐ Other

Describe Other:

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

Background: 2 uR/hr

Radiation Survey Instrument Used: Make/Model Number: Inovision 451P; Serial Number: 577; Calibration Date Due:

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	3.0	uR/hr		mR	
	2	1.0	uR/hr		mR	
	3	12.3	uR/hr		mR	
	4	1.1	uR/hr		mR	
	5	52.9	uR/hr		mR	
	6	3.3	uR/hr		mR	
	7	4.4	uR/hr		mR	
	8	6.6	uR/hr		mR	
	9	2.4	uR/hr		mR	
	10	3.1	uR/hr		mR	
	11	5.1	uR/hr		mR	
	12	3.1	uR/hr		mR	
	13	2.4	uR/hr		mR	

Highest External Surface Exposure Rate Reading 52.9 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

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

SURVEYOR'S SIGNATURE [redacted]

DATE OF SURVEY AND INSPECTION: 11/2/09

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