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	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.	QTLX 6040	
	DATE OF MFR.	10/08	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

ENTERED

Jan PM 58396 3131486

Form # 002.SerFRSSHF
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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: 8 reams — ☐ Lucite ☒ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: See comments — kV: SEE — mA: COMMENTS

Radiation Survey Instrument Used: Make/Model Number: Inovision 451P — Serial Number: 573 — Calibration Date Due: 10/5/10

Background: 2 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	8	uR/hr		mR	
	2	8	uR/hr		mR	
	3	6	uR/hr		mR	
	4	27	uR/hr		mR	
	5	7	uR/hr		mR	
	6	7	uR/hr		mR	
	7	4	uR/hr		mR	
	8	6	uR/hr		mR	
	9	7	uR/hr		mR	
	10	4	uR/hr		mR	
	11	5	uR/hr		mR	
	12	2	uR/hr		mR	
	13	5	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 27 uR/hr — Location Description: 4

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
82.8 kV	83.4	79.6	78.8
-81.5 kV	-80.3	-74.6	-78.2
503 mA	494	462	476

.89 mR

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 6/8/10

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