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	IAD : WASHINGTON DULLES Intl Airport			
	Is this Facility Operated Exclusively by the Federal Government?	☐ YES ☑ NO			
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	1 SAARINEN CIRCLE			
	CITY	STERLING	STATE	VA	ZIP CODE 20166
	ROOM NO. or OTHER LOCATION	LN 20 MAIN	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.	[redacted]	
	MANUFACTURER	Smiths	MODEL NO.	6040 AT1W	
	DATE OF MFR.	DEC 07	SERIAL NO.	76069	
	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

WO 2264800

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

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Health Detection

Field Radiation Survey Sheet

SECTION H "LEAKAGE RADIATION"

PART II - SPECIFIC PROCEDURE INFORMATION

LEAKAGE RADIATION - SPECIFIC TEST PROCEDURE # 01

Scattering Body Description: PAPER. ☐ Lucite ☑ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: kV 160; mA .5

Radiation Survey Instrument Used: Make/Model Number: INGVISION 451P; Serial Number: 640; Calibration Date Due: 7/18/09

Background: 8 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	18	uR/hr		mR	
	2	30	uR/hr		mR	
	3	19	uR/hr		mR	
	4	38	uR/hr		mR	
	5	77	uR/hr		mR	
	6	10	uR/hr		mR	
	7	23	uR/hr		mR	
	8	78	uR/hr		mR	
	9	14	uR/hr		mR	
	10	36	uR/hr		mR	
	11	21	uR/hr		mR	
	12	5	uR/hr		mR	
	13	9	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 38 uR/hr — Location Description: 4

All External Surface Exposure Rate Readings Are Less Than 200 uR/hr (0.5 mR/hr) IAW 21 CFR 1020.40: ☑ YES ☐ NO

SECTION 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 .73mR

KV 78.74 - 77.83

ANODE .68212

L

KV 84.23 - 81.95

ANODE .72332

B

KV 76.45 - 74.62

ANODE .65923

D

KV 77.83 - 76.45

ANODE .67297

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 3/11/09

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