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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	LH 10 MAIN	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.	[redacted]	
	MANUFACTURER		MODEL NO.	6040 AT	
	DATE OF MFR.		SERIAL NO.	70968	
	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 # 2322890

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: PAPER — ☐ Lucite ☑ Paper ☐ Other

Describe Other:

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

Background: 7 uR/hr

Radiation Survey Instrument Used: Make/Model Number: INOVISION 451P; Serial Number: 640; Calibration Date Due: 7/10/09

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	13	uR/hr		mR	
	2	21	uR/hr		mR	
	3	18	uR/hr		mR	
	4	36	uR/hr		mR	
	5	12	uR/hr		mR	
	6	17	uR/hr		mR	
	7	10	uR/hr		mR	
	8	4	uR/hr		mR	
	9	8	uR/hr		mR	
	10	13	uR/hr		mR	
	11	21	uR/hr		mR	
	12	18	uR/hr		mR	
	13	12	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 36 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
KV 78.24 - 76.91 .73 mR
ANODE .67754

C
KV 77.83 - 75.99
ANODE .66839

B
KV 77.83 - 75.54
ANODE .66839

D
KV 74.62 - 74.62
ANODE .65008

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 5/11/09

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