3766562

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	Washington Dulles Int'l Airport			
	Is this Facility Operated Exclusively by the Federal Government?	☑ YES ☐ NO			
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	1 Saarinen Circle (IAD)			
	CITY	Dulles	STATE	VA	ZIP CODE 20166
	ROOM NO. or OTHER LOCATION	West Ckpt LN 5	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.	[redacted]	
	MANUFACTURER	Smiths	MODEL NO.	6040 AT:X	
	DATE OF MFR.	Jan 2009	SERIAL NO.	8063B	
	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 in the Operator for Terminating Exposures of Greater Than One-Half Second and Preventing Additional Exposures of Less Than One-Half Second	☑ YES ☐ NO			

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

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Smiths Detection

Field Radiation Survey Sheet

SECTION	PART II - SPECIFIC PROCEDURE INFORMATION
H "LEAKAGE RADIATION"	LEAKAGE RADIATION - SPECIFIC TEST PROCEDURE # 01

Scattering Body Description: ☐ Lucite ☐ Paper ☑ Other — Describe Other: Cal. K.T

X-Ray Machine Settings: kV 157. ; mA .686

Radiation Survey Instrument Used: Make/Model Number: Inovision 451 P; Serial Number: 0640; Calibration Date Due: 08/19/2011

Background: 5 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	4	uR/hr		mR	
	2	3	uR/hr		mR	
	3	8	uR/hr		mR	
	4	41	uR/hr		mR	
	5	6	uR/hr		mR	
	6	5	uR/hr		mR	
	7	4	uR/hr		mR	
	8	6	uR/hr		mR	
	9	8	uR/hr		mR	
	10	7	uR/hr		mR	
	11	8	uR/hr		mR	
	12	6	uR/hr		mR	
	13	8	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 41 uR/hr — Location Description: Exit Tunnel

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

Anode Voltage — Anode Current

A. 79.20 KV - 77.83 KV — 686 uA

B. 76.91 KV - 75.99 KV — 668 uA

C. 79.20 KV - 79.20 KV — 686.70 uA

D. 81.03 KV - 78.28 KV — 695. uA

MWO # 37666562 — Internal Dose 0.8 mR

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 03/28/2011

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