Smiths Detection

Field Radiation Survey Sheet W.O. 3469057

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	DENVER International Airport			
		Is this Facility Operated Exclusively by the Federal Government?		☐ YES	☑ NO
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	8400 Peña Blvd.			
	CITY	DENVER	STATE CO	ZIP CODE	80249
	ROOM NO. or OTHER LOCATION	"A" Bridge Lane Z	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	HS 6040 AT IX	
	DATE OF MFR.	November 2007	SERIAL NO.	75635	
	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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Form # 002.SerFRSSHF
Revision Date 03/11/2008

SHIELD

Shield Detection

Field Radiation Survey Sheet

SECTION H "LEAKAGE RADIATION"

PART II - SPECIFIC PROCEDURE INFORMATION

LEAKAGE RADIATION - SPECIFIC TEST PROCEDURE # 01

Scattering Body Description: 8 REAMS

☐ Lucite ☑ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: SEE Comments — kV: Sec. I; mA: Sec. I

Radiation Survey Instrument Used: Make/Model Number: INOVISION 451P; Serial Number: 475; Calibration Date Due: 9-16-2011

Background: 7 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)	Internal Exposure (mR) "Optional"	Comments
Exit Tunnel	1	18 uR/hr	mR	
PAX. Ent. End	2	20 uR/hr	mR	
Dock. Ent. End	3	14 uR/hr	mR	
Exit Tunnel	4	41 uR/hr	mR	
PAX Exit End	5	18 uR/hr	mR	
Dock Exit End	6	26 uR/hr	mR	
Dock. Small	7	18 uR/hr	mR	
Dock. Center	8	27 uR/hr	mR	
Dock. Large	9	16 uR/hr	mR	
PAX. Small	10	26 uR/hr	mR	
PAX. Center	11	13 uR/hr	mR	
PAX. Large	12	27 uR/hr	mR	
Top Cab	13	14 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

	kV	mA
A	158	489
B	160	499
C	156	471
D	152	466

Average Dose per inspection .75 mREM/hour

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: October 12, 2010

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