Smiths Detection

Field Radiation Survey Sheet

W.O. 2930460

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	North Security Level	CONTACT PERSON	[redacted]	
	PHONE NO.		FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	HS 6040 ATIX	
	DATE OF MFR.	November 2007.	SERIAL NO.	75902	
	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

MAM 57038
PM 2930460

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

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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 I — mA: See I

Background: 7 uR/hr

Radiation Survey Instrument Used — Make/Model Number: Inovision 451P — Serial Number: 475 — Calibration Date Due: 9-25-10

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
Ent. Tunnel	1	33	uR/hr		mR	
PAX. Ent. End	2	21	uR/hr		mR	
Doer. Ent. End	3	27	uR/hr		mR	
Exit Tunnel	4	40	uR/hr		mR	
PAX. Exit End	5	39	uR/hr		mR	
Doer. Exit End	6	21	uR/hr		mR	
Doer. Small	7	25	uR/hr		mR	
Doer. Center	8	20	uR/hr		mR	
Doer. Large	9	20	uR/hr		mR	
PAX. Small	10	21	uR/hr		mR	
PAX. Center	11	71	uR/hr		mR	
PAX. Large	12	49	uR/hr		mR	
Top Cab	13	25	uR/hr		mR	

*Highest External Surface Exposure Rate Reading: 71 uR/hr — Location Description: PAX Center

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	160	503
B	154	485
C	159	489
D	153	466

Average Dose per inspection .79 mREM/hour

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 3-12-2010

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