SMITHS DETECTION

Field Radiation Survey Sheet W.O. 3219180

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., Road Rt., or Airline and Airport)	8400 Peña Blvd.			
	CITY	DENVER	STATE CO	ZIP CODE	80249
	ROOM NO. or OTHER LOCATION	A-Bridge Ln 4	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smiths Detection	MODEL NO.	HS 6040 ATIX	
	DATE OF MFR.	NOV 2007	SERIAL NO.	75636	
	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 Processing Additional Exposures of Less Than One-Half Second			☑ YES	☐ NO

7-16-10

JW 57033
PM 3219ND

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

[redacted]

Smiths 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 — Sec. I

mA: Sec. 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	28	uR/hr		mR	
PAX. Ent. End	2	23	uR/hr		mR	
Oper. Ent. End	3	30	uR/hr		mR	
Exit Tunnel	4	42	uR/hr		mR	
PAX. Exit End	5	24	uR/hr		mR	
Oper. Exit End	6	30	uR/hr		mR	
Oper. Small	7	26	uR/hr		mR	
Oper. Center	8	27	uR/hr		mR	
Oper. Large	9	40	uR/hr		mR	
PAX. Small	10	23	uR/hr		mR	
PAX. Center	11	25	uR/hr		mR	
PAX. Large	12	21	uR/hr		mR	
Top Cab	13	20	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 42 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

	kV	mA
A	153	476
B	166	531
C	151	457
D	161	480

Average Dose per inspection

.78 mREM/hour

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 7/16/10

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

[redacted]