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: Denver Int'l 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 Ln 2; CONTACT PERSON: [redacted]
	PHONE NO.: [redacted]; FAX NO.:
	MANUFACTURER: Smith Heimann; MODEL NO.: 6040 ETIX
	DATE OF MFR.: Nov 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

ENTERED APR 30 2009

EQ: 57032
WO: 2223398
ATEX RLS

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SHIELDS

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 rems

☐ Lucite ☑ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: See Comments kV / mA

Radiation Survey Instrument Used

Make/Model Number: Inovision 457P

Serial Number: 480

Calibration Date Due: 10/24/09

Background: 7 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)	Internal Exposure (mR) "Optional"	Comments
	1	18 uR/hr	mR	
	2	18 uR/hr	mR	
	3	16 uR/hr	mR	
	4	29 uR/hr	mR	
	5	22 uR/hr	mR	
	6	22 uR/hr	mR	
	7	11 uR/hr	mR	
	8	21 uR/hr	mR	
	9	11 uR/hr	mR	
	10	19 uR/hr	mR	
	11	14 uR/hr	mR	
	12	14 uR/hr	mR	
	13	18 uR/hr	mR	

Highest External Surface Exposure Rate Reading: 29 uR/hr — Location Description: Exit tunnel #4

All External Surface Exposure Rate Readings Are Less Than 500 uR/hr (0.5 mR/hr) IAW 21 CFR 1020.40 ☑ YES ☐ NO

SECTION 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	157	485
B	159	494
C	155	485
D	151	467

Average Internal Dose. .77 mRem/hr

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 4/6/09

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