smiths

Smiths Detection

Field Radiation Survey Sheet

WO# 3768273

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	McCARRAN INTERNATIONAL AIRPORT			
	Is this Facility Operated Exclusively by the Federal Government?	☒ YES ~~☒ NO~~			[redacted] 3/28/11
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	5757 WAYNE NEWTON BLVD			
	CITY	LAS VEGAS	STATE	NV	ZIP CODE 89119
	ROOM NO. or OTHER LOCATION	TERMINAL 2 LANE 2	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.	—	
	MANUFACTURER	SMITHS DETECTION	MODEL NO.	10040 GT X	
	DATE OF MFR.	APRIL 2008	SERIAL NO.	77776	
	MFR. CERTIFICATION LABEL ATTACHED	☒ YES ☐ NO			
B "CABINET X-RAY CLASSIFICATION"	CLASSIFICATION OF CABINET X-RAY SYSTEM				
	☒ Baggage Inspection	☐ Special Purpose	~~☒ General Purpose~~	☐ Other	[redacted] 3/28/11
				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	[redacted] 3/28/11
	☐ 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 [redacted] 3/28/11
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

WO 3768273
EQ 57560
GENERATOR
LAS

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

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Field Radiation Survey Sheet

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

Scattering Body Description: 8 REAMS OF 8½"X11" — ☐ Lucite ☒ Paper ☐ Other — Describe Other:

X-Ray Machine Settings: kV 160; mA 700

Radiation Survey Instrument Used: Make/Model Number: INOVISION 451P; Serial Number: 000000598; Calibration Date Due: 06/08/2011

Background: 2 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	9	uR/hr		mR	
	2	8	uR/hr		mR	
	3	7	uR/hr		mR	
	4	37	uR/hr		mR	
	5	7	uR/hr		mR	
	6	9	uR/hr		mR	
	7	6	uR/hr		mR	
	8	10	uR/hr		mR	
	9	8	uR/hr		mR	
	10	6	uR/hr		mR	
	11	8	uR/hr		mR	
	12	7	uR/hr		mR	
	13	12	uR/hr		mR	

Highest External Surface Exposure Rate Reading: 37 uR/hr — Location Description: 4 - 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

GEN	"A"	"B"	"C"	"D"
+KV	+80.57	+80.57	+83.78	+76.91
-KV	-75.99	-78.74	-77.37	-75.08
mA	480.69	494.92	494.42	444.07
uA	686.70	700.43	700.43	659.23

INTERNAL DOSE Σ: .73 mR/hr

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

SURVEYOR'S SIGNATURE: [redacted]

DATE OF SURVEY AND INSPECTION: 03/08/2011

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