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Field Radiation Survey Sheet

W.O. 3154005

Safety Inspection

SECTION	PART I - GENERAL PROCEDURE INFORMATION					
	NAME AND ADDRESS OF FACILITY OR AIRPORT AND SPECIFIC LOCATION OF X-RAY SYSTEM					
A PRE-TEST INFORMATION	NAME OF FACILITY	DENVER INTERNATIONAL AIRPORT				
	Is This Facility Operated Exclusively by the Federal Government				<input type="checkbox"/> YES, <input checked="" type="checkbox"/> NO	
	ADDRESS	8400 PEÑA Blvd.				
	Street No., Road No., or Avenue and Number					
	CITY	DENVER	STATE	CO	ZIP CODE	80249
	ROOM NO. or OTHER LOCATION	'H' Security Lane 2				CONTACT PERSON
	PHONE NO.					FAX NO.
	MANUFACTURER	SMITHS DETECTION				MODEL NO.
DATE OF MFR.	November 2007				SERIAL NO.	75635
OPERATOR CERTIFICATION LABEL ATTACHED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
B CABINET X-RAY CLASSIFICATION						
CLASSIFICATION OF CABINET X-RAY SYSTEM						
<input checked="" type="checkbox"/> Routine Inspection		<input type="checkbox"/> Special Purpose	<input type="checkbox"/> General Purpose	<input type="checkbox"/> Other		
Describe Other						
C POSTINGS & INSTRUCTIONS						
POSTING & INSTRUCTION VERIFICATION (Not Applicable for Facilities Operated Exclusively by the Federal Government)						
<input checked="" type="checkbox"/> State "Notice to Employees" Document Posted		<input checked="" type="checkbox"/> Operators Instruction Manual on Location		<input type="checkbox"/> N/A		
<input checked="" type="checkbox"/> Certificate of X-ray Machine Registration on Location		<input checked="" type="checkbox"/> Cabinet X-Ray Machine Maintenance Schedule Available				
D WARNING LIGHTS & INDICATORS						
WARNING LIGHTS & INDICATOR VERIFICATION						
Warning Label Present at Control Setting: "Caution X-Rays Produced When Energized"		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO		
Warning Label Present at Panel Setting "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard"		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO		
Two Indicators Selected "X-Ray ON" Present at Controls		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO		
At Least One Indicator, Marked "X-Ray OFF", Is Visible From Each Port, Door, and Access Panel		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO		
E INTERLOCKS						
INTERLOCK VERIFICATION TEST						
The Key for the Key Activated Control Cannot be removed in Any Mode that Allows X-Ray Generation		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO		
All Doors and Access Panels that were Tinted Prevent Generation of X-Rays		<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO		
The Use of the On Control is Necessary to Resume Operation of X-Rays Following Interruption of X-Ray Generation		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> 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		<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO		
Some Part of the Body Can Be Inserted Through An "Aperture"		<input type="checkbox"/> YES		<input type="checkbox"/> NO <input checked="" type="checkbox"/> 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		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO		
Means Provided to the Operator for Terminating Exposures of Greater Than One-Half Second and Providing Additional Exposures of Less Than One-Half Second		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO		

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CONTINUED

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Survey Location

SECTION H LEAKAGE RADIATION		PART II - SPECIFIC PROCEDURE INFORMATION														
		LEAKAGE RADIATION - SPECIFIC TEST PROCEDURE #01														
Scanning Body Description		8 REAMS		<input type="checkbox"/> LUCITE <input checked="" type="checkbox"/> PAPER <input type="checkbox"/> OTHER												
X-Ray Machine Settings		SEE COMMENTS	Sec. I	Describe Other:												
Radiation Safety Instrument Used		Model/Serial Number	INDUSTRIAL 451P	Background												
		Serial Number	480	8												
		Calibration Date Due	10-27-10	uR/hr												
Survey Location Description		Survey Point	External Surface Exposure Rate (uR/hr)	Internal Exposure (uR/hr) Optional												
Exit Tunnel		1	25	MR												
PAX-Ex. End		2	19	MR												
Door End, End		3	31	MR												
Exit Tunnel		4	39	MR												
PAX-Exit End		5	72	MR												
Open Exit End		6	19	MR												
Open-Small		7	17	MR												
Open-Center		8	19	MR												
Open-Large		9	21	MR												
PAX-Small		10	22	MR												
PAX-Center		11	17	MR												
PAX-Large		12	14	MR												
TOP CAB		13	13	MR												
Project External Surface Exposure Rate Reading		39	uR/hr	Location Description: EXIT TUNNEL												
All External Surface Exposure Rate Readings Are Less Than 500 uR/hr (0.5 mR/hr) MW 21 CFR 1020.40		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO														
ADDITIONAL INFORMATION																
Overall Condition of Cabinet X-Ray Unit		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	* Describe UNSAT Condition												
Condition of Lead Contain		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	* Describe UNSAT Condition												
Other Comments, Recommendations, Corrections, or Problems Encountered		<p>KV mA</p> <table border="1"> <tr> <td>A</td> <td>158</td> <td>489</td> </tr> <tr> <td>B</td> <td>160</td> <td>503</td> </tr> <tr> <td>C</td> <td>156</td> <td>466</td> </tr> <tr> <td>D</td> <td>152</td> <td>466</td> </tr> </table> <p>Average Dose per inspection <u>.79</u> uREM/hour</p>			A	158	489	B	160	503	C	156	466	D	152	466
A	158	489														
B	160	503														
C	156	466														
D	152	466														
SURVEYOR'S NAME (Print, Last, First, Middle Initial)																
SURVEYOR'S SIGNATURE																
DATE OF SURVEY AND INSPECTION																
11 June 2010																