The information in this report is required by 14 CRF 108.17 & 129.26. Failure to report may result in a civil penalty not to exceed $1000.00 for each such violation. (Federal Aviation Act of 1958, Section 901)

Department of Transportation **Federal Aviation Administration**	X-RAY SYSTEM RADIATION LEAKAGE REPORT (BAGGAGE INSPECTION) (Require by 14 CRF 108.17, 14 CRF 129.26)	FIELD TEST SERIAL NO. 11-7 T	Form Approved OMB No. 2120-0098

AA	1.1 Name and Address of Facility and Specific Location of X-ray System	Name of Facility (18.80): Portland International Airport	FDA Region: OR	BB	St. No. R.R. or Airline/Airport (10.80): 7000 NE Airport Way
CC		City (10.73): Portland		State Code: OR	Zip Code: 97218
DD		Room No. or Other Location of System (10.32): ABC Checkpoint Lane 5	Person Interview (33-54): [redacted]	Telephone No.: [redacted]	
		Certification Label Present: Yes	Instruments (type and serial number): Thermo Rad-Eye	Model: PRD-ER	Serial No. 298

01	1.2 Manufacture And Product ID	A. Manufacture (Responsible Firm): Smiths Heimann	B. HS	C. System Model No. and/or Name: HiTrax 6040i
		D. 115 VAC 60 HZ Unique I.D.	E. System Serial No. 40172	
		F. Date of Manufacture Mo. OCT Yr. 2002	1.4 Operator Instructions Available: Yes	1.5 Maintenance Schedule Available: NA
	2.0 Warning Labels Indicators	2.1 Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized": No	2.2 Warning Labels Present at Ports Stating: "Caution: Do Not Insert Any Part of the Body When System Is Energized, X-Ray Hazard": Yes	2.3 Two Indicators Labeled "X-Ray On" Present at Controls (One May Be Labeled "mA Meter"): Yes
02		2.4 At Least One Indicator, X-Ray Marked "X-Ray On", Visible from Each Port, Door, And Access Panel: Yes	3.0 Interlocks	3.1 "Captured Key" Control: Yes
	3.2 Door Safety Inter-Locks	A. Minimum Number of Interlocks Visible At Any One Door: NA	3.3 Prevention of X-Radiation By Interlocks	A. All Doors and Access Panels That Were Tested Prevent Generation of X-Radiation: NA
		B. At Least One Interlock Dependent on No Moving Part Except Door: NA		B. Use of X-Ray Control Necessary to Resume Operation Following Interruption: NA
	4.0 Ports and/or Apertures	4.1 Some Part of the Body Can Be Inserted Through a Port Into The Primary Beam: No		4.2 Some Part of the Body Can Be Inserted Into the Aperture: No
	6.0 Baggage Inspection Systems	6.1 Means Provided to Ensure Operator Presence at the Control Area: Yes		6.2 Means Provided to Operator for Terminating Exposures of Greater than One-Half Second and Preventing: Yes
03	7.0 Leakage Radiation	Specific Test Procedure Used: 04	7.1 Scatter Block Description: Pelican case for Thermo radiation meter	

05	7.2 Technical Factures: 139 kVp			0.4 mA	
	7.3 Location Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated		Location Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated
	0.005 mR/hr	Exp	06	0.079 mR/hr	exp
	0.005 mR/hr	Exp		0.082 mR/hr	exp
	0.005 mR/hr	exp		0.065 mR/hr	exp
	0.080 mR/hr	exp		0.086 mR/hr	exp
07	Reasonable Number of Exposures That May Be Initiated In One Hour		OR	Duty Cycle of System Indicated As a Percentage of One Hour	100%
08	8.0 Additional Information 8.1 Dosage per inspection = 143 uR				
09	8.2				
10	8.3				
11	8.4				
12	8.5				
13	Surveyor Information: [redacted]	Surveyor Name (10-72) (Print: L, F, MI): [redacted]		Date of Survey: 01/26/2010	Surveying Agency Code
Remarks:					

FAA Form 165-17 (6-81)

Jan
Non-sched

EQ: 50694
WO: 2887695
Unscheduled RLS

FAA HQ

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