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	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	and Specific Location of X-ray System	Room No. or Other Location of System (10.32): ABC Checkpoint	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. HS46	C. System Model No. and/or Name: HiTrax 6040i	
		D. Unique I.D.: 115 VAC 60 Hz	E. System Serial No.: 40172		
		F. Date of Manufacture Mo. OCT Yr. 2002	1.4 Operator Instructions Available	1.5 Maintenance Schedule Available	
	2.0 Warning Labels	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	Indicators	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 N/A	3.3 Prevention of X-Radiation By Interlocks	A. All Doors and Access Panels That Were Tested Prevent Generation of X-Radiation N/A	
		B. At Least One Interlock Dependent on No Moving Part Except Door N/A		B. Use of X-Ray Control Necessary to Resume Operation Following Interruption N/A	
	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 RAD 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
Ø.005	mR/hr	Exp	06	0.077	mR/hr	exp
0.006	mR/hr	Exp		0.069	mR/hr	exp
0.006	mR/hr	exp		0.062	mR/hr	exp
0.072	mR/hr	exp		0.069	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 = 190 μR		
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 1/15/2010 — Surveying Agency Code

Remarks:

FAA Form 165-17 (6-81)

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EQ: 50694
WO: 2823452 & 2X239199 FAA HQ
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