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 (10.50): Portland Int'l Airport	FDA Region: OR	RB	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): DE Checkpoint Lane 3	Person Interview (33-54): [redacted]		Telephone No.: [redacted]
		Certification Label Present: Yes	Instrument Type and Serial No.: Invision	Model: 451 P	Serial No.: 498
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. Unique I.D.: 115 VAC 60 Hz.	E. System Serial No.: 20783		
		F. Date of Manufacture: Mo. 4 Yr. 2001	1.4 Operator Instructions Available: Yes	1.5 Maintenance Schedule Available: n/a	
	2.0 Warning Labels Indicators	2.1 Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized": Yes	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 Interlocks	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 451 P	

05	7.2 Technical Factures	70 – 68 kVp		.402 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
		.078 mR/hr	~~.037~~ Exp	06	.037 mR/hr	exp
		.062 mR/hr	~~.006~~ Exp		.006 mR/hr	exp
		.060 mR/hr	~~.005~~ exp		.005 mR/hr	exp
		.038 mR/hr	~~.005~~ exp		.005 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 = 87 µR					
09	8.2					
10	8.3					
11	8.4					
12	8.5					
13	Surveyor Information	Surveyor Name (10-72) (Print: L, F, M): [redacted]		Date of Survey: 3/9/09	Surveying Agency Code	

Remarks:

FAA Form 165-17 (6-81)

MAR PM

EQ: 50695
WO: 2111620
Annual PM (D.D. #2)

FAA HQ

MAR 10 2009