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 (18.60): PHL AIRPORT	FDA Region: PA	RR	St. No. R.R. or Airline/Airport (10.80): 8800 ESSINGTON AVE
CC		City (10.73): PHILADELPHIA		State Code: PA	Zip Code: 19153
DD		Room No. or Other Location of System (10.32): AEAST LN3	Person Interview (33-54): [redacted]	Telephone No.: [redacted]	
		Certification Label Present: YES	Instruments: (type and serial number) OHV	Model: 451	Serial No. 479
01	1.2 Manufacture And Product ID	A. Manufacture (Responsible Firm): RAPISCAN	B. OHV46	C. System Model No. and/or Name: RAPISCAN 522B	
		D. 115 Unique I.D. 60 Hz	E. System Serial No. 7005005		
		F. Date of Manufacture Mo. 11 Yr. 02	1.4 Operator Instructions Available: YES	1.5 Maintenance Schedule Available: YES	
	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	
		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	
02	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	
	5.0 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: 94	7.1 Scatter Block Description: PELICAN 1400 CASE		
05	7.2 Technical Factures	135 Kvp	700 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
.018 mR/hr	Exp	06	.012 mR/hr	exp
.013 mR/hr	Exp		.012 mR/hr	exp
.012 mR/hr	exp		.011 mR/hr	exp
.012 mR/hr	exp		.011 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 120UR		
09	8.2		
10	8.3		
11	8.4		
12	8.5		
13	Surveyor Information: Surveyor Name (10-72) (Print: L, F, MI) [redacted]	Date of Survey: 8/26/2009	Surveying Agency Code

Remarks:

FAA Form 165-17 (6-81)

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PM 2519466

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