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): Boise Airport Gowen Field | FDA Region: ID | BB | St. No. R.R. or Airline/Airport (10.60): 3201 Airport Way |
| CC | | City (10.73): Boise | | State Code: ID | Zip Code: 83705 |
| DD | | Room No. or Other Location of System (10.32): Check Point Lane 4 | Person Interview (33-54): [redacted] | Telephone No.: [redacted] | |
| | | Certification Label Present: Yes | Instruments: (type and serial number): Inovision Model: 451P-RYR Serial No. 516 | | |
| 01 | 1.2 Manufacture And Product ID | A. Manufacture (Responsible Firm): Rapiscan Security Products Inc. | B. Mfr. Code: 0HU46 | C. System Model No. and/or Name: TRX 520B | |
| | | D. Unique I.D.: 115 VAC 60 Hz | E. System Serial No.: 70342N04 | | |
| | | F. Date of Manufacture: Oct 2003 | 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 Inter-Locks | A. Minimum Number of Interlocks Visible At Any One Door: N/A | 3.3 Prevention of X-Radiation By Inter-locks | 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 1400 Case for the Inovision 451P Meter | | |

7.2 Technical Factures: 138 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 |
|---|---|---|---|---|---|
| 05 | .014 mR/hr | Exp | 06 | .072 mR/hr | Exp |
| | .012 mR/hr | Exp | | .052 mR/hr | Exp |
| | .013 mR/hr | Exp | | .063 mR/hr | Exp |
| | .017 mR/hr | Exp | | .043 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<br>8.1 Dosage per Inspection = .132 mR/hr | | |
| 09 | 8.2 | | |
| 10 | 8.3 | | |
| 11 | 8.4 | | |
| 12 | 8.5 | | |
| 13 | Surveyor Information | Surveyor Name (10-72) (Print: L, F, MI): [redacted] | Surveyor Signature: [redacted] |
| | Date of Survey: 3/2/10 | Surveying Agency Code: SGS | |

Remarks:
Siemens Government Services

EQ: 51732
WO: 2922007
Semi - Annual PM

MAR

FAA Form 165-17 (6-81) FAA HQ

ENTERED MAR 2 4 2010