aTiX Semi-Annual
Preventive Maintenance Checklist

Technician [redacted]

Unit Serial Number 79992

Unit Location Term B Lane 2 Work Order Number 3756339

Safety check carried out	☒
Unit housing checked	☒
Unit cleaned (outside & inside)	☒
Light barriers cleaned & checked	☒
Operating elements checked	☒
PE wiring checked	☒
Supply voltage checked	☒
Emergency stop switches checked	☒
Interlock system checked	☒
Conveyor belt checked & cleaned	☒
Safety rollers at input & output checked	☒
Non-motorized roller conveyors checked	☒
Motors checked	☒
UPS checked and serviced	☒
Tracking of conveyor belts checked	☒
Fans checked & filters cleaned/changed	☒
Unit configuration checked	☒
Review error log & take appropriate action	☒
Check calibration & shutter units	☒
Monitor settings checked	☒
Download FDRS data	N/A ☐
Diagnosis report made up	☒

Generator controls checked

Generator	A	B	C	D	
X-rays off: Heater current	453	448	439	448	mA
X-rays on: Heater current	471	476	462	471	mA
Anode current	677	691	677	686	µA
High tension	156	158	156	157	kV
Internal dose Σ	740				mRem

Alignment of X-ray beams checked	☒
Line signals & detector modules checked	☒
Perform calibration	
Detectors	☒
Geometric	☒
Material Detection (Self Cal.)	☒
Test material detection	☒
Functional test carried out	
Score from sheet 44 Minimum score 33	
Perform radiation survey	☒

Software version: HX-03-08-K-180-9

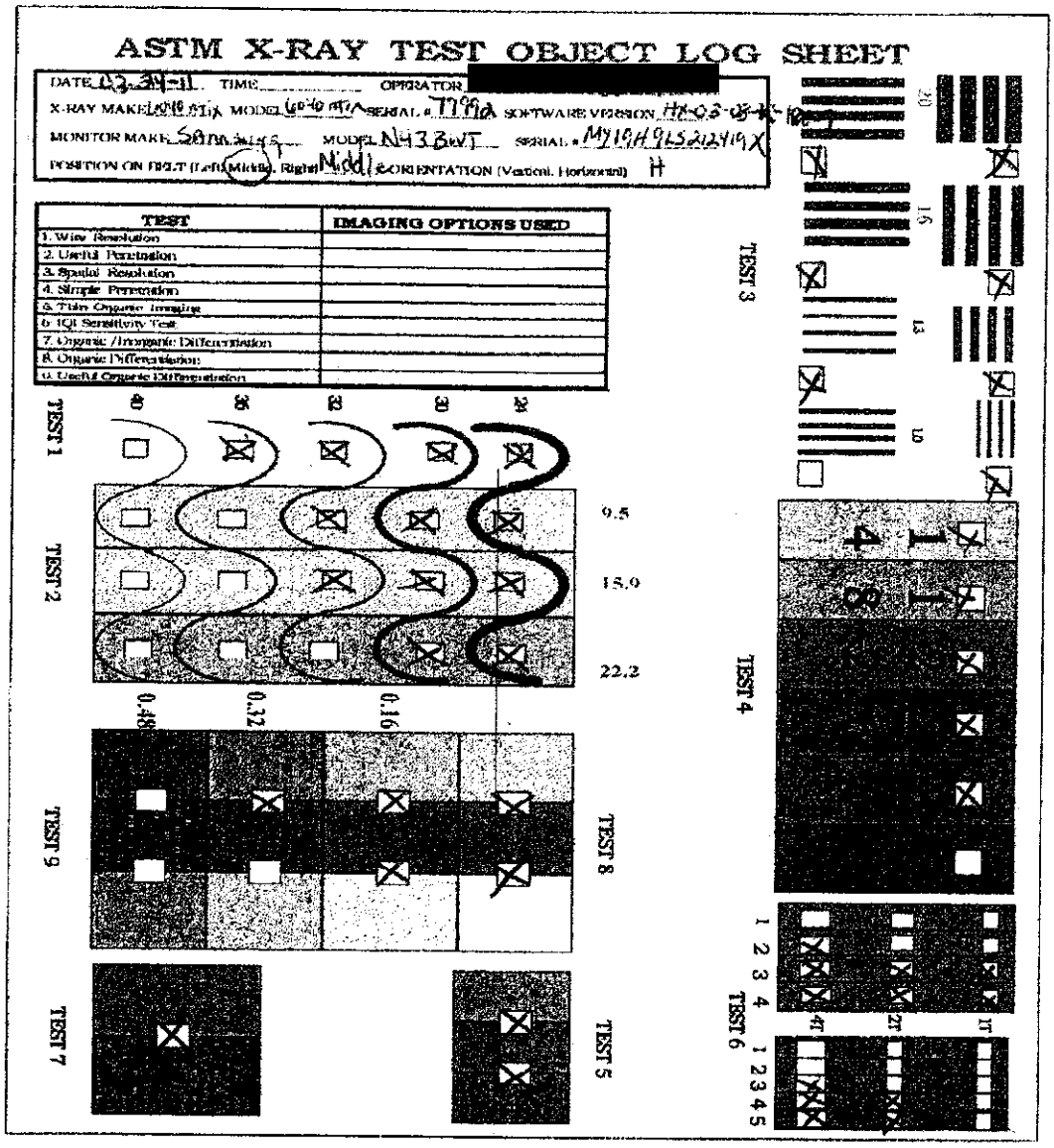
This unit is serviceable and ready for use: yes ☒ no ☐

Remarks

[redacted]

Date 03-24-2011 Signature of technician [redacted]

[redacted]



ASTM Test #	1	2	3	4	5	6	7	8	9a	9b	9c	Total
Min. Acceptable Score	4	5	6	3	2	8	1	2	1	1	0	33
Score	4	8	7	5	2	12	1	2	2	1	0	44

[redacted]

smiths

Smiths Detection

Field Radiation Survey Sheet

SECTION	PART I - GENERAL PROCEDURE INFORMATION				
A "PRE-TEST INFORMATION"	NAME AND ADDRESS OF FACILITY OR AIRPORT AND SPECIFIC LOCATION OF X-RAY SYSTEM				
	NAME OF FACILITY	Sanford Orlando International Airport			
	Is this Facility Operated Exclusively by the Federal Government?	☒ YES ☐ NO			
	ADDRESS (Street No., Rural Rt., or Airline and Airport)	3 121 Red Cleveland Blvd			
	CITY	SANFORD	STATE FL	ZIP CODE 32773	
	ROOM NO. or OTHER LOCATION	Ln 2 Term A Checkpoint	CONTACT PERSON	[redacted]	
	PHONE NO.	[redacted]	FAX NO.		
	MANUFACTURER	Smith Heimann	MODEL NO.	HI TRAX 6040 AFIX	
	DATE OF MFR.	October 2008	SERIAL NO.	79992	
	MFR. CERTIFICATION LABEL ATTACHED	☒ YES ☐ NO			
B "CABINET X-RAY CLASSIFICATION"	CLASSIFICATION OF CABINET X-RAY SYSTEM				
	☒ Baggage Inspection	☐ Special Purpose	☐ General Purpose	☐ Other	
				Describe Other:	
C "POSTINGS & INSTRUCTIONS"	POSTING & INSTRUCTION VERIFICATION (Not Applicable for Facilities Operated Exclusively by the Federal Government)				
	☐ State "Notice to Employees" Document Posted	☐ Operators Instruction Manual on Location	☒ N/A		
	☐ Certificate of X-ray Machine Registration on Location	☐ Cabinet X-Ray Machine Maintenance Schedule Available			
D "WARNING LIGHTS & INDICATORS"	WARNING LIGHTS & INDICATOR VERIFICATION				
	Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized"	☒ YES ☐ NO			
	Warning Labels Present at Ports Stating "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard"	☒ YES ☐ NO			
	Two Indicators Labeled "X-Ray ON" Present at Controls	☒ YES ☐ NO			
	At Least One Indicator, Marked "X-Ray ON", is Visible from Each Port, Door, and Access Panel	☒ YES ☐ NO			
E "INTERLOCKS"	INTERLOCK VERIFICATION TEST				
	The Key for the Key Actuated Control Cannot be removed in Any Mode that Allows X-Ray Generation	☒ YES ☐ NO			
	All Doors and Access Panels that were Tested Prevent Generation of X-Rays	☒ YES ☐ NO			
	The Use of the ON Control is Necessary to Resume Operation of X-Rays Following Interruption of X-Ray Generation	☒ YES ☐ NO			
F "PORTS AND APERTURES"	ACCESS TO PORTS AND APERTURES				
	Some Part of the Body Can Be Inserted Through A "Port" Into the Primary Beam	☐ YES ☒ NO			
	Some Part of the Body Can Be Inserted Through An "Aperture"	☐ YES ☐ NO ☒ N/A			
G "BAGGAGE INSPECTION UNITS"	BAGGAGE INSPECTION UNIT CHECKS ONLY				
	Means Provided to Ensure Operator Presence at the Control Area which Permits Surveillance of All Ports and Doors During X-Ray Generation	☒ YES ☐ NO			
	Means Provided to the Operator for Terminating Exposures of Greater Than One-Half Second and Preventing Additional Exposures of Less Than One-Half Second	☒ YES ☐ NO			

smiths

Smiths Detection

Field Radiation Survey Sheet

SECTION	PART II - SPECIFIC PROCEDURE INFORMATION
H "LEAKAGE RADIATION"	LEAKAGE RADIATION - SPECIFIC TEST PROCEDURE # 01

Scattering Body Description: ☐ Lucite ☒ Paper ☐ Other

Describe Other:

X-Ray Machine Settings: kV: See Comments; mA: See Comments

Radiation Survey Instrument Used: Make/Model Number: Johnston 451P GR; Serial Number: 0578; Calibration Date Due: 03-2011

Background: 2 uR/hr

Survey Location Description	Survey Point	External Surface Exposure Rates (uR/hr)		Internal Exposure (mR) "Optional"		Comments
	1	8	uR/hr		mR	
	2	12	uR/hr		mR	
	3	7	uR/hr		mR	
	4	19	uR/hr		mR	
	5	15	uR/hr		mR	
	6	7	uR/hr		mR	
	7	9	uR/hr		mR	
	8	5	uR/hr		mR	
	9	6	uR/hr		mR	
	10	9	uR/hr		mR	
	11	8	uR/hr		mR	
	12	13	uR/hr		mR	
	13	8	uR/hr		mR	
Highest External Surface Exposure Rate Reading			19 uR/hr	Location Description		Exit tunnel

All External Surface Exposure Rate Readings Are Less Than 500 uR/hr (0.5 mR/hr) IAW 21 CFR 1020.40 ☒ YES ☐ NO

I "ADDITIONAL INFORMATION"

ADDITIONAL INFORMATION

Overall Condition of Cabinet X-Ray Unit	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition	
Condition of Lead Curtains	☒ SAT	☐ UNSAT *	* Describe UNSAT Condition	

Other Comments, Recommendations, Corrections, or Problems Encountered

GEN A = +78.74 kV - 77.37 kV 677.54 uA

GEN B = +79.66 kV - 78.28 kV 691.28 uA

GEN C = +77.37 kV - 78.28 kV 675.54 uA

GEN D = +78.74 kV - 78.74 kV 686.70 uA

Dosage per inspection 740 uR

SURVEYOR'S NAME (Print: Last, First, Middle Int.) [redacted]

SURVEYOR'S SIGNATURE

DATE OF SURVEY AND INSPECTION 03-24-2011

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Revision Date 03/11/2008