

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**Environmental Science Center**  
**701 Mapes Road**  
**Fort Meade, Maryland**  
**20755-5350**

*19-14125-01*  
*030 02656/2007001*

**Date:** January 30, 2007  
**Subject:** Inventory of NRC Licensed Materials  
**From:** Charles (Skip) Weisberg *SW*  
 Radiation Safety Officer  
**To:** Memo to File

The following is an updated listing of all licensed by-product material radioactive sources currently at the Environmental Science Center.

**OPP ECDs (In Use):**

<u>Manufacturer</u>	<u>Date</u>	<u>Detector Model #</u>	<u>Source Serial #</u>	<u>GC Model, Location</u>
Hewlett-Packard	8/97	G2397A	U0133	HP6890, Room C106
Hewlett-Packard	7/99	G2397A	U1419	HP6890, Room C110
Hewlett-Packard	7/99	G2397A	U1409	HP6890, Room C110
Hewlett-Packard	6/99	G2397A	U1395	HP6890, Room C202
Hewlett-Packard	6/99	G2397A	U1373	HP6890, Room C204
Hewlett-Packard	6/99	G2397A	U1397	HP6890, Room C205

**OPP ECDs (In Storage):**

<u>Manufacturer</u>	<u>Date</u>	<u>Detector Model #</u>	<u>Source Serial #</u>	<u>GC Model, Location</u>
Hewlett-Packard	2/99	G2397A	U1187*	HP6890, Room C202

\*GC is unplugged, labeled "not in service" and the ECD is capped.

All ECDs are categorized as containing "15 millicuries of Nickel-63".

**NMSS/RGNI MATERIALS-004**

**Region III ECDs (In Use):**

<u>Manufacturer</u>	<u>Date</u>	<u>Detector Model #</u>	<u>Source Serial #</u>	<u>GC Model, Location</u>
Agilent Technologies	3/06	G2397-65505	U10023	AG6890N, Rm F203
Agilent Technologies	3/06	G2397-65505	U10024	AG6890N, Rm F203
Hewlett-Packard	10/97	G2397A	U0259	HP6890, Room F201
Hewlett-Packard	10/97	G2397A	U0277	HP6890, Room F201
Agilent Technologies	8/02	G2397A-65505	U4686	AG6890N, Rm F201
Agilent Technologies	8/02	G2397A-65505	U4687	AG6890N, Rm F201

All ECDs are categorized as containing "15 millicuries of Nickel-63".

**Region III Portable XRF's (In Use):**

<u>Manufacturer</u>	<u>Serial #</u>	<u>Source #</u>	<u>Radioisotope</u>	<u>Activity</u>	<u>Location</u>
Niton XL-309 (Single Source Analyzer)	U1571	NR8284	Cd-109	10mCi	F101
Niton XL-733Q (Tri-Source Analyzer)	U1565	8818LQ	Am-241	14mCi	F101
	U1565	ON822	Fe-55	20mCi	F101
	U1565	OL369	Cd-109	10mCi	F101

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 FACILITY INSPECTION PROGRAM  
 Environmental Science Center  
 701 Mapes Road  
 Fort Meade, Maryland 20755-5350  
 (410) 305-2780**

January 9, 2007

**Subject:** Inventory of NRC Licensed Materials, Portable XRF Units  
 (as of December, 2006 wipe tests)

**To:** Charles (Skip) Weisberg  
 Radiation Safety Officer

**From:** Gerard Crutchley, OECEJ (3EC10) *Gerard Crutchley*

**Region III Portable XRF's In Use:**

<u>Manufacturer</u>	<u>Serial #</u>	<u>Source #</u>	<u>Radioisotope</u>	<u>Activity</u>	<u>Location</u>
Niton XL-309 (Single Source Analyzer)	U1571	NR8284 ✓	Cd-109	10 mCi	F101
Niton XL-733 (Tri-source Analyzer)	U1565	8818LQ	Am-241	14 mCi	*
	U1565	<del>8594LG</del>	Fe-55	20 mCi	*
	U1565	<del>7027LY</del>	Cd-109	10 mCi	*

\* Unit is currently at the manufacturers for re-sourcing

Thermo Niton Analyzers  
 3303 South County Trail  
 East Greenwich, R.I. 02818

*Returned from Resourcing  
 on 1/23/07.  
 Resourced TWR*

*Cd-109 10mCi OL369  
 Fe-55 20mCi ON822*

*SKIPW.*

**Date:** December 29, 2006  
**Subject:** Inventory of Licensed Materials  
**From:** Arnold Turner  
 Chemist *AT 12/29/06*  
**To:** Memo to File

The following is an updated listing of all licensed by-product material radioactive sources currently in the Region III labs at the Environmental Science Center. The physical inventory was conducted in conjunction with the wipe testing on December 28 -29, 2006.

<u>Manufacturer</u>	<u>Date</u>	<u>Detector Model #</u>	<u>Source Serial #</u>	<u>GC Model, Location</u>
Agilent Technologies	3/06	G2397-65505	U10023	AG6890N, Room F203
Agilent Technologies	3/06	G2397-65505	U10024	AG6890N, Room F203
Hewlett-Packard	10/97	G2397A	U0259	HP6890, Room F201
Hewlett-Packard	10/97	G2397A	U0277	HP6890, Room F201
Agilent Technologies	8/02	G2397A-65505	U4686	AG6890N, Room F201
Agilent Technologies	8/02	G2397A-65505	U4687	AG6890N, Room F201
Hewlett-Packard	8/91	G1224A	F2713	Storage, Room F201
Hewlett-Packard	2/98	19233	K4555	Storage, Room F201
Hewlett-Packard	2/91	19233	F3214	Storage, Room F201

All ECDs are characterized as containing "15 millicuries of Nickel-63".

*Sent to Agilent for disposal on 1/24/2007.  
 Skip W.*

**Date:** December 29, 2006  
**Subject:** Inventory of Licensed Materials  
**From:** Arnold Turner *AT 12/29/06*  
 Chemist  
**To:** Memo to File

The following is an updated listing of all licensed by-product material radioactive sources currently in the Region III labs at the Environmental Science Center. The physical inventory was conducted in conjunction with the wipe testing on December 28 -29, 2006.

<u>Manufacturer</u>	<u>Date</u>	<u>Detector Model #</u>	<u>Source Serial #</u>	<u>GC Model, Location</u>
Agilent Technologies	3/06	G2397-65505	U10023	AG6890N, Room F203
Agilent Technologies	3/06	G2397-65505	U10024	AG6890N, Room F203
Hewlett-Packard	10/97	G2397A	U0259	HP6890, Room F201
Hewlett-Packard	10/97	G2397A	U0277	HP6890, Room F201
Agilent Technologies	8/02	G2397A-65505	U4686	AG6890N, Room F201
Agilent Technologies	8/02	G2397A-65505	U4687	AG6890N, Room F201
Hewlett-Packard	8/91	G1224A	F2713	Storage, Room F201
Hewlett-Packard	2/98	19233	K4555	Storage, Room F201
Hewlett-Packard	2/91	19233	F3214	Storage, Room F201

All ECDs are characterized as containing "15 millicuries of Nickel-63".

*Sent to Agilent for disposal on 1/24/2007.  
 Skip W.*

**Date:** December 22, 2006  
**Subject:** Inventory of Licensed Materials  
**From:** Lynda V. Podhorniak,  
 chemist  
**To:** Memo to File

The following is the current listing of all licensed by-product material radioactive sources in the OPP labs at the Environmental Science Center. The physical inventory was conducted in conjunction with the wipe testing on December 22, 2006. Note that ECD U1187 is not in service.

**OPP ECDs In Use:**

<u>Manufacturer</u>	<u>Date</u>	<u>Detector Model #</u>	<u>Source Serial #</u>	<u>GC Model, Location</u>	<u>Comments</u>	
					2 <sup>nd</sup> GC Inlet	2 <sup>nd</sup> Detector
*Hewlett-Packard	3/98	G2397A	U0497	HP6890, Room C106	COC	NPD
Hewlett-Packard	8/97	G2397A	U0133	HP6890, Room C106	COC	NPD&PPPD
Hewlett-Packard	7/99	G2397A	U1419	HP6890, Room C110	HP PTV	FPD
Hewlett-Packard	7/99	G2397A	U1409	HP6890, Room C110	S/SL	NPD
Hewlett-Packard	6/99	G2397A	U1395	HP6890, Room C202	HP PTV	NPD
Hewlett-Packard	6/99	G2397A	U1373	HP6890, Room C204	COC	NPD
Hewlett-Packard	6/99	G2397A	U1397	HP6890, Room C205	HP PTV	FPD

*Each GC has one S/SL inlet.*

**OPP ECDs Not In Service:**

Hewlett-Packard	2/99	G2397A	U1187 *	HP6890, Room C202	COC	NPD
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\*GC is unplugged and labeled "Not in Service."

*Note: All capillary adapters were unscrewed and removed to wipe the ECDs, then replaced. The 1/4" vespel ferrules were reused.*

All ECDs are categorized as containing "15 millicuries of Nickel-63".

SENT TO Agilent  
 for disposal on  
 11/21/2007. SKIAW.  
 TOTAL P.06