



**Essroc**  
Italcementi Group

1826 South Queen Street Tel (304) 260 1800  
Martinsburg, WV 25402 Fax (304) 267 2617

December 15, 2009

United States Nuclear Regulatory Commission  
Licensing Assistance Team Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

Dear Sattar Loghi:

License Number: **47-11451-01**  
Docket Number: **030-06692**  
Control Number: **574031**

In response to Control Number 574031 regarding amending the radiation license for Capital Cement Corporation, the following information is provided:

- The Cs-137 sources listed on the Capital Cement Corporation license were removed.
  - The letters sent to the NRC are included in this correspondence with the Acknowledgment of Receipt of Radioactive Material.

Should you require additional information on this matter, please do not hesitate to contact me. Thank you.

Sincerely,

Patricia Millard  
Quality Control Manager  
Capital Cement Corporation  
1826 South Queen Street  
Martinsburg, WV 25401  
Tel: 304-260-1813  
Fax: 304-267-2617  
E-mail: patricia.millard@essroc.com

Q-2  
MS-16

574031  
NMSS/RGN1 MATERIALS-002



COMPLETE RADIOLOGICAL SERVICES

**Essroc Italcementi**  
Capitol Cement Corporation  
Martinsburg, WV 25401

February 12, 2010

Attention: Patricia Millard

Re: Disposal Acceptance

Dear Ms. Millard,

Included please find the enclosed Acknowledgement of Receipt of Radioactive Material indicating Thermo Fisher Scientific has taken possession and processed the material as represented by your company. This document is verification of acceptance of the radioactive material as prepared and packaged by Applied Health Physics, Inc in a consolidated shipment. Material pertaining to Essroc Italcementi, Capitol Cement Corporation is indicated with a bullet. This document should be retained on file for review by regulatory agencies.

If you have any questions, or need radiological assistance in the future, please contact our office at (412)-835-9555.

Best regards,

Anthony L. Hull  
Technical Specialist  
Applied Health Physics, Inc.

Cc: AHP file  
2009-025

2986 Industrial Blvd., Bethel Park, PA 15102 Phone: (800) 332-6648 (412) 835-9555  
Fax: (412) 835-9559 E-Mail address: [ahull\\_ahp@comcast.net](mailto:ahull_ahp@comcast.net)  
Web Page address: [WWW.APPLIEDHEALTHPHYSICS.COM](http://WWW.APPLIEDHEALTHPHYSICS.COM)



The world leader  
in serving science

### ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL

January 18, 2010

Anthony Hull  
Applied Health Physics, Inc.  
2986 Industrial Blvd.  
Bethel Park, PA-15102

RMA Number 31313

Attention Anthony Hull:

This is to certify that Thermo Fisher Scientific has received and accepted ownership of the radioactive material described below pursuant to applicable regulations and as authorized by our Texas Radioactive Material License L03524.

Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
* ACCURAY	LS-101	5658291	Cs-137	CS2188	50 mCi	4/1/1964
* ACCURAY	LS-101	5658296	Cs-137	CS2205	50 mCi	8/1/1965
* ACCURAY	LS-101	5658298	Cs-137	CS2207	50 mCi	8/1/1965
ACCURAY	LS-101	R-668	Ra-226	R-668	2 mCi	1/1/1962
* ACCURAY	SH-301	5666778	Cs-137	CS9203	50 mCi	4/1/1965
* ACCURAY	SH-301	5666779	Cs-137	CS9264	50 mCi	4/1/1965
* ACCURAY	SH-301	63893225	Cs-137	CS9086	50 mCi	10/1/1963
ALNOR	7000U	13419	Ra-226	13419	0.00625 mCi	11/19/2009
ALNOR	7000U	5483	Ra-226	5483	0.007 mCi	11/19/2009
BECKMAN	598860	1395	Cs-137	GCC-1	0.03 mCi	5/8/1989
BECKMAN	598860	UNKNOW	Cs-137	GCC-2	0.04 mCi	11/19/1976
NDC, INC.	103	2666	Am-241	2666	150 mCi	12/1/1991
NDC, INC.	103	2667	Am-241	2667	150 mCi	12/1/1991
NDC, INC.	103	2669	Am-241	2669	150 mCi	12/1/1991

Process Instruments

1410 Gillingham Lane

Sugar Land, TX  
77476

(713) 272-0404  
(713) 272-2773 fax

www.thermo.com



The world leader  
in serving science

Acknowledgment for RMA Number 31313

Page 2 of 2

NDC, INC.	103	2870	Am-241	2670	150 mCi	12/1/1991
NDC, INC.	103	3529	Am-241	3529	150 mCi	5/1/1994
PACKARD	A2000	5069256	Ba-133	85825	0.02 mCi	11/17/1986
Summary (17 sources)					1052 mCi	

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material. If you are not the Radiation Safety Officer or responsible for maintaining regulatory records for radioactive material, please forward this letter to the appropriate person.

If you have any questions or require additional assistance, please contact us at (800) 437-7979 or (713) 272-0404.

Sincerely,  
Thermo Fisher Scientific

Angelica Guidry  
Nuclear Services Specialist



1826 South Queen Street Tel (304) 260 1800  
Martinsburg, WV 25402 Fax (304) 267 2617

September 21, 2009

United States Nuclear Regulatory Commission  
Washington, DC 20555-0001

Attention: Document Control Desk, Director, Office of Federal and State Materials and  
Environmental Management Programs

Re: **Transfer of Generally Licensed Devices**

Capital Cement Corporation recently transferred six (6) generally licensed devices containing radioactive sealed sources to a specific licensee as issued by the Pennsylvania Department of Environmental Protection and a reciprocity agreement with the United States Nuclear Regulatory Commission (USNRC) Reference # 000224. Radioactive Materials License # PA-0228 authorizes Applied Health Physics, Inc. to temporarily possess all devices previously registered under general license to Capital Cement Corporation. The devices are identified as:

Manufacturer	Model	Serial #	Isotope	Activity
Accuray	LS-101	CS2207	Cs-137	50 mCi
Accuray	LS-101	CS2205	Cs-137	50 mCi
Accuray	LS-101	CS2188	Cs-137	50 mCi
Accuray	SH-301	CS9203	Cs-137	50 mCi
Accuray	SH-301	CS9086	Cs-137	50 mCi
Accuray	SH-301	CS9204	Cs-137	50 mCi

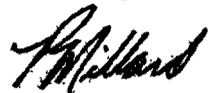
The specific facility from which the above-described material was transferred from can be identified as the following:

Capitol Cement Corporation  
1826 South Queens Street  
Martinsburg, WV 25401

The date of transfer for the listed devices is September 15<sup>th</sup>, 2009.

This document represents the notification as required under Title 10 of the Code of Federal Regulations, Part 31.5. If there are any questions, contact this office at (304) 260-1813.

Sincerely,



Patricia Millard  
Radiation Safety Officer Martinsburg Site  
Capital Cement Corporation  
1826 South Queen Street  
Martinsburg, WV 25401  
Tel: 304-260-1813  
Fax: 304-267-2617  
E-mail: [patricia.millard@essroc.com](mailto:patricia.millard@essroc.com)



COMPLETE RADIOLOGICAL SERVICES

**Essroc Italcementi**  
Capitol Cement Corporation  
1826 South Queens Street  
Martinsburg, WV 25401

**March 5, 2009**

Attention: Emily Dyson

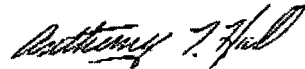
Re: Disposal Acceptance 2008-033

Dear Ms. Dyson,

Included please find the enclosed "Acknowledgement of Receipt of Radioactive Material" indicating Thermo Fisher Scientific has taken possession and accepted ownership of the material as represented by your company. This document is verification of acceptance of the radioactive material as prepared and packaged by Applied Health Physics, Inc. as a part of a consolidated shipment. Material pertaining to Essroc Italcementi, Capitol Cement Corporation is indicated with a bullet. This document should be retained on file for review by regulatory agencies.

If you have any questions, or need radiological assistance in the future, please contact our office at (412)-835-9555.

Best regards,



Anthony L. Hull  
Technical Specialist  
Applied Health Physics, Inc.

Cc: AHP file

2986 Industrial Blvd., Bethel Park, PA 15102 Phone: (800) 332-6648 (412) 835-9555  
Fax: (412) 835-9559 E-Mail address: [ahull.ahp@comcast.net](mailto:ahull.ahp@comcast.net)  
Web Page address: [WWW.APPLIEDHEALTHPHYSICS.COM](http://WWW.APPLIEDHEALTHPHYSICS.COM)



The world leader  
in serving science

### ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL

February 12, 2009

Anthony Hull  
Applied Health Physics, Inc.  
2986 Industrial Blvd  
Bethel Park, PA 15102

RMA Number 30982

Attention Anthony Hull:

This is to certify that Thermo Fisher Scientific has received and accepted ownership of the radioactive material described below pursuant to applicable regulations and as authorized by our Texas Radioactive Material License L03524.

Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
▶ ACCURAY	L-10	NONE	Cs-137	CZ5746	500 mCi	6/1/1961
ACCURAY	LS-102	NONE	Cs-137	CS5541	250 mCi	1/1/1961
ALNOR	7000HF	6482	Ra-226	6482	7 uCi	12/31/2008
ALNOR	7000UF	28047	Am-241	NONE	35 uCi	12/31/2008
▶ INDUSTRIAL NUCLEONICS	SH-301	4696223	Cs-137	CS-9089	50 mCi	10/1/1983
▶ INDUSTRIAL NUCLEONICS	SH302	NONE	Cs-137	CS-12401	500 mCi	5/23/1977
METOREX	DOPS	160636	Cd-109	A3703	10 mCi	2/1/2002
METOREX	DOPS	160636	Fe-55	A3251	40 mCi	1/1/2002
METOREX	SAPS	278461	Cd-109	B7-387	10 mCi	5/4/2008
METOREX	SAPS	501091	Cd-109	B2-350	10 mCi	5/3/2008
METOREX	SAPS	85859	Cd-109	B7-547	10 mCi	6/4/2008
NDS	420	1499	Am-241	2415LY	1000 mCi	2/5/1986
NDS	700	1104	Am-241	LA0158	30.1 mCi	12/13/1977
NITON	XRF	U1766	Cd-109	D4607	10 mCi	3/1/2000

Process Instruments

1410 Gillingham Lane

Sugar Land, TX  
77478

(713) 272-0404  
(713) 272-2272 fax

www.thermofisher.com





The world leader  
in serving science

Acknowledgment for RMA Number 30982

Page 2 of 3

RUETER STOKES	RS5811	A2212	Am-241	A2212	1000 mCi	2/1/1989
RUETER STOKES	RS5811	A2213	Am-241	A2213	1000 mCi	2/1/1989
RUETER STOKES	RS5811	AM1377	Am-241	AM1377	1000 mCi	12/31/2008
TN TECHNOLOGIES	9267	B120	Am-241	N/A	0.5 uCi	12/31/2008
UPA TECHNOLOGIES	HH2B1	15058	Pm-147	UNK-A	900 uCi	11/1/1993
UPA TECHNOLOGIES	HH2B1	15058	Pm-147	UNK-B	900 uCi	11/1/1993
UPA TECHNOLOGIES	HH3	85621	Pm-147	UNK-C	75 uCi	11/1/1993
Summary (21 sources)					7338 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	5201	B99	Cs-137	GV-0566	100 mCi	11/2/1983
TN TECHNOLOGIES	5202	B936	Cs-137	GG-3556	500 mCi	7/15/1988
Summary (2 sources)					600 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	9267	B146	Fe-55	LE-7976	45 mCi	12/8/1999
Summary (1 source)					45 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	9267	B120	Fe-55	LE-7563	45 mCi	12/8/1998
Summary (1 source)					45 mCi	
Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	9267	B146	Am-241	HS881	0.0005 mCi	1/1/1980
Summary (1 source)					0 mCi	



The world leader  
in serving science

Acknowledgment for RMA Number 30982

Page 3 of 3

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material. If you are not the Radiation Safety Officer or responsible for maintaining regulatory records for radioactive material, please forward this letter to the appropriate person.

If you have any questions or require additional assistance, please contact us at (800) 437-7979 or (713) 272-0404.

Sincerely,  
Thermo Fisher Scientific

A handwritten signature in cursive script that reads "Angelica Guidry".

Angelica Guidry  
Nuclear Services Specialist



**Essroc**  
Italcementi Group

1826 South Queen Street Tel (304) 260 1800  
Martinsburg, WV 25402 Fax (304) 267 2617

September 24, 2009

United States Nuclear Regulatory Commission  
Washington, DC 20555-0001

Attention: Document Control Desk, Director, Office of Federal and State Materials and  
Environmental Management Programs

Re: **Transfer of Generally Licensed Devices**

Capital Cement Corporation transferred three (3) generally licensed devices containing radioactive sealed sources to a specific licensee as issued by the Pennsylvania Department of Environmental Protection and a reciprocity agreement with the United States Nuclear Regulatory Commission (USNRC) Reference # 000224. Radioactive Materials License # PA-0228 authorizes Applied Health Physics, Inc. to temporarily possess all devices previously registered under general license to Capital Cement Corporation. The devices are identified as:

Manufacturer	Model	Serial #	Isotope	Activity
Accuray	SH-301	CS9089	Cs-137	50 mCi
Accuray	SH-302	CS12401	Cs-137	50 mCi
Accuray	SH-302	CS5746	Cs-137	50 mCi

The specific facility from which the above-described material was transferred from can be identified as the following:

Capitol Cement Corporation  
1826 South Queen Street  
Martinsburg, WV 25401

The date of transfer for the listed devices is September 26<sup>th</sup>, 2008.

This document represents the notification as required under Title 10 of the Code of Federal Regulations, Part 31.5. If there are any questions, contact this office at (304) 260-1813.

Sincerely,



Patricia Millard  
Radiation Safety Officer Martinsburg Site  
Capital Cement Corporation  
1826 South Queen Street  
Martinsburg, WV 25401  
Tel: 304-260-1813  
Fax: 304-267-2617  
E-mail: [patricia.millard@essroc.com](mailto:patricia.millard@essroc.com)