



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF

October 9, 2008

MP-10J

Ms. Colleen Carol Casey  
Materials Licensing Branch  
U. S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4532  
630-515-1078

**RE: Additional Information to Control Nos. 316874 and 317494**

Dear Colleen Casey:

Thank you for your letter of September 30, 2008 that includes Amendment No. 27 to our NRC Material License No. 12-1024301. The following provides the additional information requested in your letter to enable the continuation of your review:

- 1. The closeout survey submitted for the Central Regional Laboratory did not include the type, make and model number of the instrument used for analysis of the wipes; the efficiency of the instrument used; and the corresponding conversion factor (cpm to dpm), including which radionuclide was used as a standard to determine instrument efficiency / conversion factor and the activity of the standard and counting data obtained with the standard.** To address all of the above, I have provided in attachment No. 1 a letter of review addressed to me that was prepared by a representative with Federal Occupational Health (FOH). This review contains additional supporting documentation, including the calibration record for the instrument used by Mr. Michael Murphy, RSO, to analyze the closeout wipe samples.
- 2. During the site visit conducted by Ms. Patricia Pelke and me on August 7, 2008, one of the pieces of information I requested concerned the ADCO manifest form from your December 26, 2007, shipment, which needed to be signed by an appropriate ADCO representative as an "acknowledgement of receipt" for your radioactive waste.** I have provided in attachment No. 2 a signed and dated copy of this form.

RECEIVED OCT 15 2008

**Additional Information to Control Nos. 316874 and 317494**

**October 9, 2008**

**Page 2-2**

- 3. Please submit a completely filled out, currently signed and dated copy of Form NRC 314, requesting termination of your license, with your response.** I have provided in attachment No. 3 the completed form.

Should you need any additional information, please do not hesitate to contact me at your convenience.

Sincerely,



Charles Marcom "Marc" Colvin, CSP, CHMM  
SHEM Manager

**Attachments**

cc w/o attachments: Carlton Nash  
Toni Lesser  
Michael Murphy  
John Glover  
Eric Cohen

# **Attachment No. 1**

**October 9, 2008**

**Additional Information to Control Nos. 316874 and 317494**



821 Chestnut Street  
Western Springs, IL 60558  
708-246-5252 Fax 708-246-5010  
srmeyer@comcast.net wsboslett@comcast.net

**Health & Safety Associates, Inc.**  
*Industrial Hygiene and Safety Consulting*

October 9, 2008

C. Marcom Colvin  
SHEM Manager  
U.S. Environmental Protection Agency  
77 West Jackson Blvd.  
Chicago, Illinois 60604

Dear Marc:

At your request, I have reviewed the report of the closeout radiation wipe survey conducted on August 14, 2008 in Room 728 of the Central Regional Laboratory, 536 S. Clark, Chicago, Illinois. This review was undertaken in respect to additional information requested by the Nuclear Regulatory Commission in their letter dated September 30, 2008 regarding pending termination of your license.

Based on information provided by Mr. Michael Murphy, Radiation Protection Officer (who conducted the wipe survey and analyses), the instrumentation used to count the wipes was a Technical Associates Alpha/Beta Drawer Counting System consisting of a Model PRS-5 Scaler/Ratemeter (Serial N° 007568) with a Model STG-ABS44 Alpha/Beta Dual Scintillation Detector (Serial N° 007598). Specification sheets for these instruments are attached. Also attached is the latest calibration record for this instrument system.

The calibration record data indicates a cpm/dpm beta counting efficiency of 47% using a Strontium-90 calibration source (4724 cpm/10,132 dpm = 0.47).

The closeout survey reports wipe sample data in average cpm and "Background Delta" (the difference between average sample cpm and average background cpm). The area wiped for each sample was 100 square centimeters. This data should be evaluated with the following formula:

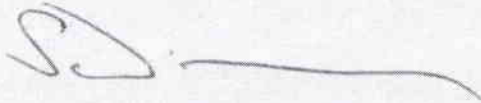
$$(\text{Sample cpm} - \text{Background cpm}) / \text{Efficiency} = \text{dpm per } 100 \text{ cm}^2$$

The highest wipe sample count obtained was for Wipe 2 (19 cpm above background).

$$\text{Wipe 2: } (163 \text{ cpm} - 144 \text{ cpm}) / 0.47 = 40 \text{ dpm per } 100 \text{ cm}^2$$

Accordingly, all wipe samples were well below the closeout contamination limit of 200 dpm per 100 cm<sup>2</sup>.

Sincerely,  
HEALTH & SAFETY ASSOCIATES, INC.



Scott R. Meyer, MPH, CIH  
President

Attachments

# PORTABLE ANALYZING SCALER/RATEMETER

Model # PRS-5

## FEATURES:

- THREE SINGLE CHANNEL ANALYZER WINDOWS, SWITCH SELECTABLE
- FULL AUTOSCALER FUNCTION AUTO-CYCLE
- FULL ANALOG FUNCTION
- CRYSTAL CONTROLLED
- ANY T/A GM, PROPORTIONAL, OR SCINTILLATION, ALPHA, ETA, GAMMA, X-RAY, NEUTRON PROBE
- LIGHTED SCALES
- SPLASH PROOF

**DESCRIPTION:** The PRS-5 is a sturdy portable instrument designed for rugged field use, but incorporating both scaler and ratemeter functions, single channel analyzer with three presettable windows, variable high voltage 0-2500V. All calibration pots are available from outside the case as is the leakproof battery compartment. All closures are gasketed or otherwise sealed to result in a splashproof instrument. The meter is a taut band type for maximum ruggedness; additionally both meter and LCD scaler readout are recessed for protection against damage. Both displays are illuminated when the "illuminate" button is depressed and remain lighted for approximately 6 seconds.

Pulses are seen via a red LED for visual service in dark areas and the time base for scaler operation is indicated by a flashing green LED. Accommodates pulses from all types of detectors including scintillators, proportional and GM detectors. Four ranges are incorporated into the ratemeter. Gate times for the scaler may be set from 1 to 99 seconds (and 1 to 99 minutes) and free running mode. The scaler has an autocycle capability particularly useful for increasing the accuracy of rate measurements and for operating optional printer. Power switch and HV pot and other controls are designed to prevent inadvertent change. The output of the "beeper" is varied by a volume control from completely silent to loud enough to be used in quite noisy environments. Standard features include jack for optional AC adapter and output jack for optional chart recorder. Yet the overall instrument, including all of these functions and including battery life up to 300 hours, still weighs only 62 ounces, making it one of the lightest instruments of this type available.

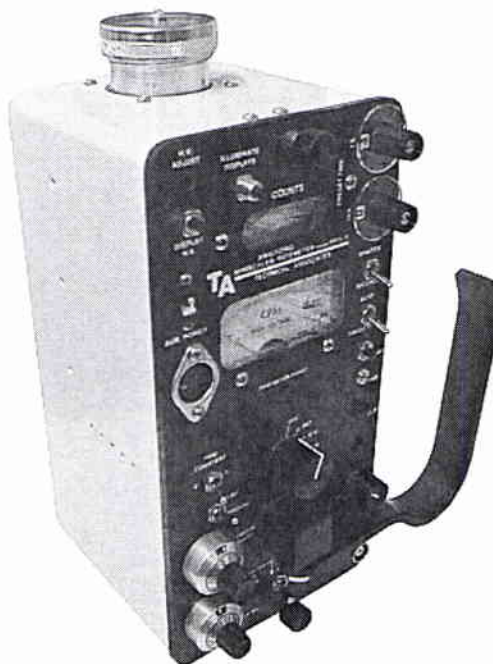


Figure 1: PRS-5

**TA**

## TECHNICAL ASSOCIATES

7051 ETON AVENUE \* CANOGA PARK, CA 91303 TELEPHONE (818) 883-7043 \* FAX(818) 883-6103

5Revision: 1 1 S

# PORTABLE ANALYZING SCALER/RATEMETER

Model # PRS-5

## SPECIFICATIONS:

### DIGITAL

**Readout:** 6 digit LCD  
**Time Base:** Crystal controlled 1-99 sec, 1-99 min, and free running  
**Run Modes:** Single shot, autcycle  
**Display Modes:** Latched, continual update  
**Gate Monitor:** Green LED, 1 second cycle

### ANALOG

**Meter:** 0-500 cpm recessed rugged (optional SI units).  
**Ranges:** x1; x10; x100; x1,000 (0-500, 5k, 500k cpm).  
**Time Constant:** 2 sec 11 sec  
**Pulse Monitor:** Red LED one flash per pulse  
**Range:** Usable probes cover range 1  $\mu$ R/hr to 1000 R/hr; 1 cpm to 500,000 cpm; 0.1 mRem/hr to 10 Rem/hr  
**Audio Indicator:** Piezo electric sounder with volume control.  
**Strip Chart Recorder Output:** Standard feature 0-1 Volt  
**Single Channel:** 3 switch selectable windows  
2 preset (resettable) window positions plus one "variable"  
**Analyzer/Discriminator:** 10-turn, 1000 division pot for each threshold  
10-turn, 1000 division pot for window width  
**Detector:** Mates with T/A probes, any GM, proportional or scintillation, alpha, beta, gamma, positron, x-ray, neutron or tritium.  
Detector Connector: BNC bulkhead mount (MHV optional)  
Detector Bias: 0-2500V regulated and filtered  
Supply: High Voltage is displayed on meter by pushing a button

**TA**

## TECHNICAL ASSOCIATES

7051 ETON AVENUE \* CANOGA PARK, CA 91303 TELEPHONE (818) 883-7043 \* FAX(818) 883-6103

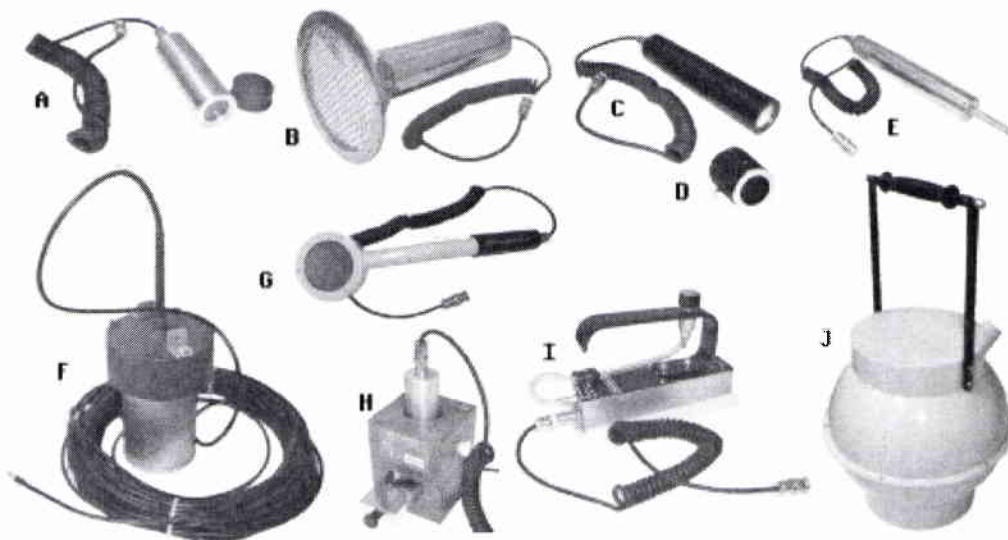
SRevision 1.1 S

# PORTABLE ANALYZING SCALER/RATEMETER

Model # PRS-5

## POWER

- Batteries:** 3 each D cells, accepts Alkaline, Carbon-Zinc, Lithium, or rechargeable NiCads with no adjustment required. Separate sealed battery compartment available from outside case.
- Battery Life:** Nominal 300 hours with alkaline batteries
- Battery Check:** On main range switch and meter marking
- AC Operation:** Connector for optional AC adapter
- Splashproof:** Seals and gaskets throughout
- Construction:** All plug in circuit cards; essentially no wires. Sturdy deep drawn aluminum case
- Dimensions:** 23cm L x 10.5cm W x 14.5cm (9" x 4.1" x 5.7"). Includes handle and tilt stand both in folded position
- Weight:** 1.7 Kg (62 oz) including batteries.
- Shipping Weight:** 3 Kg (6.6 lbs)
- Options:** Connection for interface to printer or computer SI units
- Accessories:** Printer  
Strip Chart Recorder  
AC Adapter  
Over 50 different T/A probes and sample counter detectors  
Probe holder supplied - no charge if probe and PRS-5 purchased together  
**A.** PG-LB, **B.** PAS-9, **C.** BGS-IN, **D.** Collimator, **E.** PLS-04, **F.** DMU-1000, **G.** P-15, **H.** STB-TF-6, **I.** TS-26, **J.** PN-13



**TA**

**TECHNICAL ASSOCIATES**

7051 ETON AVENUE \* CANOGA PARK, CA 91303 TELEPHONE (818) 883-7043 \* FAX(818) 883-6103

SRRevision 113



# ALPHA BETA SAMPLE COUNTING SYSTEM

Model # STG-ABS44

**APPLICATION:** Model **STG-ABS44** is especially well suited to counting Alpha & Beta emissions from air sampler filters.

The **STG-ABS44** Alpha Beta Scintillation System combines Alpha and Beta Dual Scintillation Detector plus TM-4 drawer system for sample containment. In this detection system, the protective window and grill are deleted to enhance sensitivity to Alpha and low energy Beta radiation.

Stainless steel drawer and base plate for stability and easy cleaning.

The sensitivity of the **STG-ABS44** to 5MeV Alphas is typically 80-85% of  $2\pi$ . Alpha Background can be less than one count per minute. Sample cavity is 4 1/16" diameter x 3/16" deep. Allows 4" sample diameter x 3/16" thick sample size.

Windowless operation, with light-tight housing and automatic HV. Cutoff when drawer is opened.

## SPECIFICATIONS:

**Dimensions:** 7" W x 14" D x 16" H.  
**Weight:** 16 lbs.  
**Shipping Weight:** 28 lbs.



Figure 1: STG-ABS44

	Alpha	Beta
<b>Photomultiplier Tube:</b>	5" dia. 10-stage.	
<b>Scintillator:</b>	ZnS(Ag).	Plastic Scintillator, 0.02" thick.
<b>Plateau:</b>	200 Volt long.	200 Volt long.
<b>Slope:</b>	Less than 5% per 100V.	
<b>Efficiency:</b>	Greater than 75% of $2\pi$ .	Cs <sup>137</sup> 75% pf $2\pi$ . Sr <sup>90</sup> Y <sup>90</sup> 100% of $2\pi$ . C <sup>14</sup> is 24% of $2\pi$ . Tc99 is 35% of $2\pi$ .

Alpha Beta Dual Scintillation detector 4" diameter. The 90cm<sup>2</sup> face of this probe allows shorter count times plus high sensitivity. Alpha background is in the order of several counts per hour.

**TA**

**TECHNICAL ASSOCIATES**

7051 ETON AVENUE \* CANOGA PARK, CA 91303 TELEPHONE (818) 883-7043 \* FAX(818) 883-6103

[www.tech-associates.com](http://www.tech-associates.com)

\$Revision: 1.1 \$



**RADNET**  
Tracking Environmental Radiation Nationwide

**TECHNICAL ASSOCIATES ALPHA/BETA  
DRAWER COUNTING SYSTEM  
CALIBRATION REPORT**

PRS-5 Serial Number: 007568 STG-ABS44 Serial Number: 007598

<b>ANALOG METER CALIBRATION</b>			
Precision Pulser Model Number: <b>LUDLUM 500</b>		Serial Number: <b>94931</b>	
High Impedance Voltmeter Model Number: <b>RAWSON Type 518</b>		Serial Number: <b>(17) 14347</b>	
Scale	Calibration Standard Setting or Reading	PRS-5 as found reading	PRS-5 as left reading
X1K	400,000 cpm	<b>420,000 CPM</b>	<b>400,000 CPM</b>
X100	40,000 cpm	<b>42,000 CPM</b>	<b>40,000 CPM</b>
X10	4,000 cpm	<b>4,200 CPM</b>	<b>4,000 CPM</b>
X1	400 cpm	<b>410 CPM</b>	<b>400 CPM</b>
HV	<b>950</b>	<b>950</b>	<b>950</b>

**As left High Voltage setting: 950**

Th-230 source serial number: 11271 Activity: 16,550 dpm 7448 pCi

Th-230 source count rate: 5835 cpm Alpha counting efficiency: 1.28 pCi/cpm

Sr-90 source serial number: 57836A-251 Activity: 10,132 dpm 4564 pCi

Sr-90 source gross count rate: 4871 cpm Background beta count rate: 147 cpm

Sr-90 source net count rate: 4724 cpm Beta counting efficiency: .97 pCi/cpm

Beta check source serial number: <b>B9-176(NAREL Inv #:317208) (4.103 nCi/151.8 Bq)</b>			
Gross cpm	Gross cpm	Gross cpm	Gross cpm
<b>1788</b>	<b>1834</b>	<b>1871</b>	<b>1814</b>
<b>1817</b>	<b>1870</b>	<b>1804</b>	<b>1866</b>
<b>1880</b>	<b>1801</b>	<b>1840</b>	<b>1823</b>
<b>1794</b>	<b>1817</b>	<b>1819</b>	<b>1844</b>
<b>1814</b>	<b>1915</b>	<b>1833</b>	<b>1835</b>
<b>Average gross cpm:1834</b>		<b>Average net cpm:1687</b>	
<b>Lower Control Limit: 1590 net cpm</b>		<b>Standard deviation (cpm):32.4</b>	
<b>Upper Warning Limit: 1752 net cpm</b>		<b>Lower Warning Limit: 1622 net cpm</b>	
<b>Upper Control Limit: 1784 net cpm</b>		<b>Upper Control Limit: 1784 net cpm</b>	

Printed name: Stephens E. Wiggins Signature: *Stephens E. Wiggins* Date: 28 Jan 2008

# **Attachment No. 2**

**October 9, 2008**

**Additional Information to Control Nos. 316874 and 317494**

17650 Duvan Drive  
Tinley Park, IL 60477  
Phone: 708-429-1660  
Fax: 708-429-9759  
Internet: WWW.ADCOSERVICES.COM

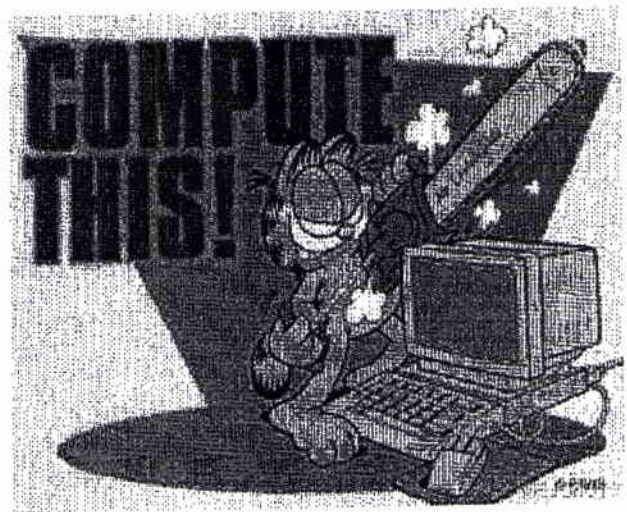


# Fax

To: John Glover From: Jim Bell, Jr.  
Fax: 312-353-1517 Date: 10/7  
Phone: \_\_\_\_\_ Pages: 3  
Re: \_\_\_\_\_

Urgent  For Review  Please Comment  Please Reply  Please Recycle

• Comments:



01-0558L

<b>FORM 540</b> <b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>		<b>ADCO SERVICES, INC.</b> 5. SHIPPER - NAME AND FACILITY US EPA REG V FOR THE ACCOUNT OF ADCO SERVICES 636 S. CLARK CHICAGO, IL 60604		6. SHIPMENT I.D. NUMBER <b>61463</b> COLLECTOR PROCESSOR		7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION		PAGE 1 OF 2 2 PAGE(S) None None PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) <b>07-0358 L</b>							
ORGANIZATION US EPA REGION V		CONTACT <b>KAREN FUGATE</b>		9C PERMIT <b>NA</b>		SHIPMENT NUMBER <b>07-0388 L</b>		GENERATOR TYPE (Specify) <b>a</b>		9. CONSIGNEE - Name and Facility Address <b>ADCO SERVICES, INC.</b> <b>4766A DUWAN DRIVE</b> <b>TINLEY PARK, IL 60477</b>							
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST <b>12</b>		6. CARRIER - Name and Address <b>ADCOM EXPRESS, INC.</b> <b>17680 DUVAN DRIVE</b> <b>TINLEY PARK, IL 60477</b>		EPA I.D. NUMBER IL.D047267354		SIGNATURE - Authorized consignee acknowledging waste receipt <i>[Signature]</i>		CONTACT <b>LEN WARBIAJNY-FACILITY MANAGER</b> TELEPHONE NUMBER (Include Area Code) <b>708-429-1660</b> DATE <b>12.28.07</b>							
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number		EPA MANIFEST NUMBER <b>NA</b>		CONTACT <b>ROBERT BASSETT</b>		TELEPHONE NUMBER (Include Area Code) <b>708-429-3013</b>		DATE <b>12/26/07</b>		AUTHORIZED SIGNATURE <i>[Signature]</i>							
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information)		12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES		16. TOTAL PACKAGE ACTIVITY MBq mCi		17. LSA/RCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE	
DOT EXEMPT		NA		NA		Solid PAPER PLASTIC GLASS		C-14		3.2560E+00 8.8000E-02		NA		16 LBS; 2.33 FT3		07-0358-01	
DOT EXEMPT		NA		NA		Solid PAPER PLASTIC GLASS		C-14		2.2200E+01 6.0000E-01		NA		23 LBS; 2.33 FT3		07-0358-02	
DOT EXEMPT		NA		NA		Solid PAPER PLASTIC GLASS		C-14		3.2560E+00 8.8000E-02		NA		42 LBS; 2.33 FT3		07-0358-03	
DOT EXEMPT		NA		NA		Solid PAPER PLASTIC GLASS		C-14		3.2560E+00 8.8000E-02		NA		44 LBS; 2.33 FT3		07-0358-04	
DOT EXEMPT		NA		NA		Solid PAPER PLASTIC GLASS		C-14		3.2560E+00 8.8000E-02		NA		8 LBS; 2.33 FT3		07-0358-05	
DOT EXEMPT		NA		NA		Solid PAPER PLASTIC GLASS		C-14		1.4800E+01 4.0000E-01		NA		136 LBS; 7.5 FT3		07-0358-06	
FOR CONSIGNEE USE ONLY				20. Check appropriate items: <input checked="" type="checkbox"/> Customer represents and warrants that all data set forth in this Uniform Low-Level Radioactive Manifest is true and correct in all respects. <input type="checkbox"/> Packages listed as "Limited Quantity of Radioactive Material" on this manifest conform to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package-limited quantity of material UN2910. <input type="checkbox"/> Packages listed as "NON-REGULATED MATERIAL" on this manifest are classified in accordance with 49 CFR 173.403 (Definition of Radioactive Material). These Materials must still be disposed of at a licensed facility.													

FORM 540 (10-86)

10/06/2008 23:28 7084299759 ADCO PAGE 02





# **Attachment No. 3**

**October 9, 2008**

**Additional Information to Control Nos. 316874 and 317494**

(6-2004)  
10 CFR 30.36(j)(1); 40 CFR 61.111; and 72.54(j)(1)

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

### CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS

U.S. Environmental Protection Agency  
77 West Jackson Blvd. (AT-18J)  
Chicago, IL 60604

LICENSE NUMBER

12-10243-01

DOCKET NUMBER

030-04192

LICENSE EXPIRATION DATE

November 30, 2009

#### A. LICENSE STATUS (Check the appropriate box)

- This license has expired.
- This license has not yet expired; please terminate it.

#### B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.

a. Transfer of radioactive materials to the licensee listed below:

b. Disposal of radioactive materials:

1. Directly by the licensee: Liquid wastes disposed via sanitary sewer as allowed by MWRD of Chicago, and 10 CFR Part 20, Subpart K

2. By licensed disposal site:

3. By waste contractor: Solid Wastes (Dry Active Wastes) via Adco Services, Inc, 17650 Duncan Drive, Tinley Park, IL 60477; Phone: 708-429-1660

c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

#### C. SURVEYS PERFORMED AND REPORTED

1. A radiation survey was conducted by the licensee. The survey confirms:

- a. the absence of licensed radioactive materials
- b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.

2. A copy of the radiation survey results:

a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: August 28, 2008  
Date

3. A radiation survey is not required as only sealed sources were ever possessed under this license, and

- a. The results of the latest leak test are attached; and/or
- b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME Charles M. Colvin	TITLE SHEM Manager	TELEPHONE (Include Area Code) (312) 886-0138	E-MAIL ADDRESS colvin.marc@epa.gov
---------------------------	-----------------------	---	---------------------------------------

Mail all future correspondence regarding this license to:  
Charles M. Colvin, U.S. EPA Region 5, 77 West Jackson Blvd., MA-10J, Chicago, IL 60604

#### C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE Charles M. Colvin, SHEM Mgr.	SIGNATURE <i>Charles M. Colvin</i>	DATE 10-9-08
--	---------------------------------------	-----------------

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.



# CERTIFICATE OF DISPOSITION OF MATERIALS

PLEASE READ THESE INSTRUCTIONS BEFORE COMPLETING NRC FORM 314.

Subpart E of 10 CFR Part 20 establishes the radiological criteria for license terminations/decommissioning of facilities licensed under 10 CFR Parts 30, 40, 50, 60, 61, 70, and 72, as well as other facilities subject to the Commission's jurisdiction under the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, as amended.

## INSTRUCTIONS

### Section B, Item 2.

Licensees should describe the specific radioactive material transfer actions. If radioactive wastes were generated in terminating this license, the licensee should describe the disposal actions taken, including the disposition of low-level radioactive waste, mixed waste, greater-than-Class-C waste, and sealed sources.

### Section B, Item 2.a.

The information provided concerning the transfer of radioactive material to another licensee should specify the date of the transfer, the name of the licensee recipient, an individual contact name and telephone number for the licensee recipient, and the recipient's NRC or Agreement State license number.

### Section B, Item 2.b.

For disposal of radioactive materials, licensees should describe the specific disposal method or procedure (e.g., decay-in-storage). For those cases when radioactive materials are disposed of by a licensed disposal site or by a waste contractor, the licensee should specify the name, address, and telephone number of the licensed disposal site operator or waste contractor.

### Section B, Item 2.c.

"Residual radioactivity," as defined in 10 CFR 20.1003, means radioactivity in 'areas' (structures, materials, soils, etc.) remaining as a result of activities (licensed and unlicensed) under the licensee's control from sources used by the licensee, excluding background radiation. ALARA is defined in 10 CFR 20.1003.

## FILE CERTIFICATES AS FOLLOWS:

### IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA,  
MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE,  
NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE  
ISLAND, OR VERMONT, SEND CERTIFICATES TO:

LICENSING ASSISTANT SECTION  
NUCLEAR MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI,  
NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA,  
TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST  
VIRGINIA, SEND CERTIFICATES TO:

NUCLEAR MATERIALS SAFETY SECTION  
U. S. NUCLEAR REGULATORY COMMISSION, REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, S.W., SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

### IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA,  
MISSOURI, OHIO, OR WISCONSIN, SEND CERTIFICATES  
TO:

MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA,  
COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA,  
MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH  
DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST  
TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH,  
WASHINGTON, OR WYOMING, SEND CERTIFICATES TO:

MATERIAL RADIATION PROTECTION SECTION  
U. S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8064

 EPA  
United States  
Environmental Protection  
Agency  
Region 5  
77 West Jackson Blvd.  
Chicago, IL 60604

Official Business  
Penalty For Private Use  
\$300

MP-10J  
Colvin

Ms. Colleen Carol Casey  
Materials Licensing Branch  
U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4532



Printed On Recycled Paper

PRESORTED  
FIRST CLASS



1407

049J82022932

\$01.407

10/10/2008

Mailed From: 60604  
US POSTAGE